



कृषि अनुसंधान

डाटा पुस्तिका

AGRICULTURAL RESEARCH DATA BOOK 2025



भारतीय कृषि अनुसंधान परिषद्
कृषि भवन, नई दिल्ली-110 001

Indian Council of Agricultural Research
Krishi Bhawan, New Delhi - 110 001
<https://icar.org.in>

भाकृअनुप-भारतीय कृषि सांख्यिकी अनुसंधान संस्थान
लाइब्रेरी एवेन्यू, पूसा, नई दिल्ली-110 012

ICAR-Indian Agricultural Statistics Research Institute
Library Avenue, Pusa, New Delhi - 110012
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AGRICULTURAL RESEARCH

DATA BOOK

2025

The contents of **AGRICULTURAL RESEARCH DATA BOOK 2025** are also available at the ICAR-Indian Agricultural Statistics Research Institute
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INDIAN COUNCIL OF AGRICULTURAL RESEARCH
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डॉ. एम. एल. जाट

सचिव (डायरेक्टर) एवं महानिदेशक (भा.कृ.अनु.प.)

Dr M. L. Jat

SECRETARY (DARE) & DIRECTOR GENERAL (ICAR)



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कृषि अनुसंधान और शिक्षा विभाग एवं

भारतीय कृषि अनुसंधान परिषद

कृषि एवं किसान कल्याण मंत्रालय, कृषि भवन, नई दिल्ली 110 001

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प्राक्कथन

विश्वसनीय कृषि संबंधित आँकड़े प्रभावी योजना एवं नीतिगत निर्माण की रीढ़ है, जो पूरे क्षेत्र में सतत विकास को सक्षम बनाती है। भारतीय कृषि अनुसंधान परिषद (भा.कृ.अनु.प.) ने राष्ट्रीय कृषि अनुसंधान एवं शिक्षा प्रणाली की शीर्ष संस्था के रूप में विज्ञान, नवाचार और विस्तार कार्यों को निरंतर आगे बढ़ा रहा है जिससे भारतीय कृषि आज सशक्त बनी हुई है और आने वाले कल की चुनौतियों के लिए भी पूरी तरह तैयार है।

इसी तारतम्य में, कृषि अनुसंधान डाटा पुस्तिका (कृ.अनु.डा.पु.) 2025 इस दृष्टिकोण को साकार करती है। इसमें फसल विज्ञान, भूमि उपयोग, बागवानी, पशुपालन, मत्स्य पालन एवं अन्य संबद्ध क्षेत्रों से संबंधित व्यापक और नवीनतम आँकड़ों का संकलन प्रस्तुत किया गया है। इन सबके अतिरिक्त इसमें राज्य कृषि विश्वविद्यालयों के कुल बजट और व्यय संबंधी आँकड़े भी शामिल किए गए हैं, जो उच्च कृषि शिक्षा और अनुसंधान के क्षेत्र में संस्थागत क्षमता और राज्य-स्तरीय उपयोग के महत्वपूर्ण संकेतक हैं। ऐसे संस्थागत वित्तीय आँकड़ों को सामान्य क्षेत्रीय आँकड़ों के साथ एकीकृत करके कृ.अनु.डा.पु. न केवल साक्ष्य-आधारित नीतिनिर्माण को मजबूत करती है, बल्कि शोधकर्ताओं, शिक्षाविदों, उद्यमियों और किसानों को कृषि के भविष्य को आकार देने में सहायक बनाती है।

ऐसे युग में जब जलवायु परिवर्तन, संसाधन प्रबंधन और उत्पादकता वृद्धि वैश्विक प्राथमिकताओं को परिभाषित करते हैं, विश्वसनीय आँकड़े अत्यंत आवश्यक हो जाते हैं। वैश्विक कृषि में भारत की स्थिति को दर्शाते हुए कृ.अनु.डा.पु. भारत की विश्व रैंकिंग भी प्रस्तुत करता है: अनाज उत्पादन में तीसरा स्थान, दालों में पहला स्थान, चावल और गेहूँ दोनों में दूसरा स्थान, बाजरे के उत्पादन में पहला स्थान, तथा फलों और सब्जियों (विशेषकर केला, आम, अमरूद और मैंगोस्टीन) में शीर्ष स्थान है। इसके अतिरिक्त भारत आलू और टमाटर उत्पादन में विश्व स्तर पर दूसरे नंबर पर है और प्याज उत्पादन में पहले स्थान पर है। पशुधन क्षेत्र में भारत ने 1998 से वैश्विक स्तर पर दूध उत्पादन में पहला स्थान बनाए रखा है, जो विश्व के कुल दूध उत्पादन का लगभग 25 प्रतिशत है। ये रैंकिंग इस तथ्य को रेखांकित करती हैं कि कृ.अनु.डा.पु. में प्रस्तुत आँकड़े व्यापक वैश्विक परिप्रेक्ष्य में विश्लेषण को आधार प्रदान कर सकते हैं।

कृषि अनुसंधान डाटा पुस्तिका 2025 के संकलन में परिषद के विभिन्न एसएमडी के अधिकारियों, विशेष रूप से भा.कृ.अनु.प. के अभियांत्रिकी प्रभाग, भा.कृ.अनु.प. भारतीय कृषि सांख्यिकी अनुसंधान संस्थान (भा.कृ.अनु.प.-भा.कृ.सां.अनु.सं.) की संकलन टीम एवं अपेक्षित जानकारी प्रदान करने वाले विभिन्न संगठनों द्वारा किए गए योगदान की सराहना करता हूँ।

(एम. एल. जाट)

दिनांक: 26 सितम्बर 2025

नई दिल्ली



डॉ. एम. एल. जाट

सचिव (डायरेक्टर) एवं महानिदेशक (भाकृअनुप)

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FOREWORD

Reliable agricultural data forms the backbone of effective planning and policy formulation, enabling sustainable growth across the sector. As the apex body of the national agricultural research and education system, the Indian Council of Agricultural Research (ICAR) has consistently advanced science, innovation, and extension, ensuring that Indian agriculture remains resilient today while being well-prepared for the future challenges.

The Agricultural Research Data Book (ARDB) 2025 embodies this vision by consolidating comprehensive, up-to-date statistics across crop sciences, land use, horticulture, animal husbandry, fisheries, and allied sectors. In addition, it includes data on the total budget and expenditure of State Agricultural Universities (SAUs), a significant indicator of institutional capacity and state-level resource deployment in higher agricultural education and research. By integrating such institutional finance data alongwith the usual sectoral datasets, ARDB further strengthens evidence-based policymaking and supports researchers, educators, entrepreneurs, and farmers in shaping the future of agriculture.

In an era where climate change, resource management, and productivity enhancement define global priorities, timely and reliable data are indispensable. Reflecting India's stature in global agriculture, ARDB 2025 also presents India's world rankings: third in cereal production, first in pulses production, second in both rice and wheat production, first in millet production, and top ranks in fruits and vegetables production (particularly for banana, mango, guava, and mangosteens). Moreover, India is second globally in potato and tomato production, and ranks first in onion production. In livestock sector, India has held the number one position in milk production globally since 1998, contributing roughly 25 per cent of global milk output. These rankings underscore how the data in ARDB can anchor analysis in a broader global context.

I commend the various SMDs of ICAR especially the Engineering Division of ICAR, ICAR-Indian Agricultural Statistics Research Institute (ICAR-IASRI), and all contributors for their dedicated efforts in bringing out this valuable publication.

(M. L. Jat)

Dated the 26th September, 2025
New Delhi

आमुख

भारतीय कृषि अनुसंधान परिषद (भा.कृ.अनु.प.) स्वतंत्रता के पश्चात से ही भारत की कृषि अनुसंधान एवं शिक्षा प्रणाली को सशक्त बनाने के अग्रणी मोर्चे पर रही है। विज्ञान, नवाचार और मानव संसाधन विकास में निरंतर प्रगति का मार्गदर्शन करते हुए इसने एक सुदृढ़ कृषि क्षेत्र की नींव रखी है, जो खाद्य सुरक्षा, संसाधन प्रबंधन और ग्रामीण आजीविका की चुनौतियों का सामना करने में सक्षम है।

इसी परिप्रेक्ष्य में, 1996 में प्रारंभ की गई कृषि अनुसंधान डाटा पुस्तिका (कृ.अनु.डा.पु.), भारतीय कृषि की गतिशीलता को व्यवस्थित रूप से अभिलेखित करते हुए एक राष्ट्रीय प्रामाणिक संकलन के रूप में उभरी है। वर्षों के दौरान, यह केवल सांख्यिकीय संदर्भ से आगे बढ़कर एक व्यापक संसाधन बन गई है, जो आँकड़ों को गहन विश्लेषण के साथ प्रस्तुत करती है, जिससे यह नीति-निर्माताओं, शोधकर्ताओं, शिक्षाविदों और प्रैक्टीशनरों के लिए अधिक उपयोगी हो गई है। प्रत्येक संस्करण ने बदलती कृषि प्राथमिकताओं और उभरती चुनौतियों के अनुरूप स्वयं को ढालने का प्रयास किया है।

कृ.अनु.डा.पु. 2025, इस वार्षिक श्रृंखला का 28वाँ खंड है, जो परिष्कार और नवाचार की इस परंपरा को आगे बढ़ाता है। सुव्यवस्थित खंडों में विभाजित, यह प्राकृतिक संसाधन, फसल विज्ञान, बागवानी, पशुपालन, मत्स्य पालन, डेयरी, कृषि अभियांत्रिकी, व्यापार, उत्पादकता एवं मानव संसाधन सहित व्यापक जानकारी प्रस्तुत करता है। पिछले संस्करणों की ताकतों पर आधारित इस संस्करण में कई उल्लेखनीय नए आयाम शामिल किए गए हैं, जिनमें भावी खाद्यान्न उत्पादन के पूर्वानुमान, भू-स्थानिक सूचना प्रणाली (जीआईएस) आधारित विषयगत मानचित्र, राज्यवार आँकड़े, विद्युत उत्पादन, समुद्री निर्यात और जल शक्ति मंत्रालय द्वारा आयोजित भारत की पहली जल निकाय जनगणना के प्रमुख निष्कर्ष सम्मिलित हैं। ये सभी नए समावेश इस प्रकाशन की विश्लेषणात्मक गहराई को बढ़ाते हैं तथा इसे उभरती नीतिगत एवं शोध आवश्यकताओं के अनुरूप बनाते हैं।

180 से अधिक सारणीबद्ध आँकड़ों को समाहित करते हुए यह खंड सितंबर 2025 तक की नवीनतम उपलब्ध जानकारी प्रस्तुत करता है। सारणीबद्ध आँकड़ों के साथ चित्रात्मक एवं ग्राफीय प्रस्तुतीकरण का समावेश इसकी सुलभता को बढ़ाता है और विविध हितधारकों के लिए साक्ष्य-आधारित योजना एवं निर्णय-निर्माण में सहायक सिद्ध होता है।

व्यापक प्रसार की बढ़ती आवश्यकता को देखते हुए, कृ.अनु.डा.पु. 2025 संस्थान की वेबसाइट (<https://iasri.res.in>) पर डिजिटल प्रारूप में भी उपलब्ध है। हमें विश्वास है कि यह समृद्ध संस्करण एक विश्वसनीय ज्ञान-स्रोत के रूप में कार्य करेगा, जो सूचित अनुसंधान, प्रभावी नीति-निर्माण और सतत कृषि विकास की दिशा में प्रगति को प्रोत्साहित करेगा। इस प्रकाशन को और सशक्त बनाने हेतु रचनात्मक सुझाव सादर आमंत्रित हैं, जिन्हें अधोहस्ताक्षरी को प्रेषित किया जा सकता है।

डॉ. राजेन्द्र प्रसाद

निदेशक,

भा.कृ.अनु.प.-भारतीय कृषि सांख्यिकी अनुसंधान संस्थान,

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कृ.अनु.डा.पु. 2025 के संकलन में आईसीएआर के विभिन्न एसएमडी, आईसीएआर के कृषि अभियांत्रिकी प्रभाग, आईसीएआर-आईएएसआरआई की समर्पित टीम तथा अनेक सहयोगी संगठनों का योगदान रहा है, जिनके सहयोग को हम कृतज्ञतापूर्वक स्वीकार करते हैं।



(राजेन्द्र प्रसाद)

निदेशक, भा.कृ.अनु.प.-भा.कृ.सां.अनु.सं



(श्याम नारायण झा)

उप महानिदेशक (कृषि अभियांत्रिकी), भा.कृ.अनु.प.

PREFACE

The Indian Council of Agricultural Research (ICAR) has been at the forefront of strengthening India's agricultural research and education system, steering progress in science, innovation, and human resource development since Independence. This sustained leadership has laid the foundation for a resilient agricultural sector, capable of addressing the challenges of food security, resource management, and rural livelihoods.

In this continuum, the Agricultural Research Data Book (ARDB), initiated in 1996, has emerged as an authoritative national compendium, systematically capturing the dynamics of Indian agriculture. Over the years, it has evolved from a statistical reference into a comprehensive resource that integrates data with insights, thereby enhancing its value for policymakers, researchers, academicians, and practitioners. Each edition has sought to remain responsive to emerging challenges while broadening its scope to reflect the changing priorities of the agricultural sector.

The 2025 edition represents the 28th volume of this annual series and continues this tradition of refinement and innovation. Structured into well-defined sections, it presents a wide spectrum of information covering Natural Resources, Crop Sciences, Horticulture, Animal Husbandry, Fisheries, Dairy, Agricultural Engineering, Trade, Productivity, and Human Resources. Building on the strengths of previous editions, ARDB 2025 incorporates several notable additions, including predictive estimates of future foodgrain production, thematic maps developed using Geographical Information System (GIS), state-wise datasets, electricity generation, marine exports, and key findings from India's inaugural Water Bodies Census conducted by the Ministry of Jal Shakti. Together, these inclusions expand the analytical depth of the publication while aligning it with emerging policy and research needs.

Comprising more than 180 tables, the present volume encapsulates the latest available information up to September 2025. The integration of pictorial and graphical representations alongside tabulated data enhances accessibility and supports evidence-based planning and decision-making across diverse stakeholder groups.

Recognizing the increasing demand for wider dissemination, ARDB 2025 is also made available in digital format through the Institute's website: <https://iasri.res.in>. We believe that this enriched edition will serve as a dependable knowledge repository, advancing the cause of informed research, effective policymaking, and sustainable agricultural development. Constructive suggestions for further strengthening this publication are most welcome and may be communicated to the undersigned.

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	परिवर्णी शब्द	ACRONYMS
000'	हजार	Thousand
000' t	हजार टन	Thousand tonnes
cm	सेंटीमीटर	Centimeter
ha	हेक्टेयर	Hectare
kg	किलोग्राम	Kilogram
kg/ha	किलोग्राम/ हेक्टेयर	Kilogram/ hectare
kW	किलोवाट	Kilowatt
kWh	किलोवाट घंटा	Kilowatt hour
mm	मिलिमीटर	Milimeter
Mw	मेगावाट	Megawatt
million ha	मिलियन हेक्टेयर	Million hectare
MJ	मेगा जूल	Mega Joules
ppm	पार्ट्स प्रति मिलियन	Parts per million
ppbv	पार्ट्स प्रति बिलियन बाई वॉल्यूम	Parts per billion by volume
ppmv/year	पार्ट्स प्रति मिलियन बाई वॉल्यूम प्रति वर्ष	Parts per million by volume per year
ppmv	पार्ट्स प्रति मिलियन बाई वॉल्यूम	Parts per million by volume
pptv	पार्ट्स प्रति ट्रिलियन बाई वॉल्यूम	Part per trillion by volume
q	क्विंटल	Quintal
₹	रुपये	Rupees
t	टन	Tonnes
t/ha	टन / हेक्टेयर	Tonnes/ hectare
µm	माइक्रोमीटर	Micrometer
Neg.	नगण्य	Negligible
FAO	खाद्य एवं कृषि संगठन	Food and Agriculture Organisation
FAQ	उचित औसत गुणवत्ता	Fair Average Quality

K	पोटाश	Potash
N	नाइट्रोजन	Nitrogen
B	बोरोन	Boron
Fe	आयरन	Iron
Zn	जिंक	Zinc
Cu	कॉपर	Copper
Mn	मैंगनीज	Manganese
Mo	मॉलिबडीनम	Molybdenum
SPM	सोलिड पार्टिकुलेट मैटर	Solid Particulate Matter
CWC	केन्द्रीय जल आयोग	Central Water Commission
DAP	लद्द पशु शक्ति	Draught Animal Power
HSD	उच्च श्रेणी का डीज़ल	High Speed Diesel
HYV	उच्च उपज वाली किस्म	High Yielding Varieties
SPV	सोलर फोटो वोल्टेक	Solar Photo Voltaic
R&D	अनुसंधान एवं विकास	Research and Development
GNP	सकल राष्ट्रीय उत्पाद	Gross National Product
NNP	शुद्ध राष्ट्रीय उत्पाद	Net National Product
PM	पार्टिकुलेट मैटर	Particulate Matter
CFC	क्लोरो-फ्लोरो कार्बन	Chloro-Fluoro Carbons
CIAE	केन्द्रीय कृषि अभियान्त्रिकी संस्थान	Central Institute of Agricultural Engineering

Conversion Factors between Important Primary and Secondary Agricultural Commodities

Commodity	Conversion Factor
Rice (Cleaned) Production	2/3 of Paddy Production
Cotton	
Cotton Lint Production	1/3 of Kapas Production
Cotton Seed Production	2/3 of Kapas Production 2 times of Cotton Lint Production
Jute	
100 Yards of Hessian	54 lbs of Raw Jute
4148 Yards of Hessian	1 Ton of Raw Jute 5.55 Bales of Raw Jute (of 180 kg. Each)
1 Ton of Sacking	1.11 Tons of Raw Jute 6.17 Bales of Raw Jute (of 180 kg. Each)
1 Ton of Hessian Sacking etc.	1.05 Tons of Raw Jute 5.85 Bales of Raw Jute (of 180 kg. Each)
Groundnut	
Kernel to Nuts in Shell	70 per cent
Oil to Nuts in Shell	28 per cent
Oil to Kernels Crushed	40 per cent
Cake to Kernels Crushed	60 per cent
Sesamum	
Oil to Seeds Crushed	40 per cent
Cake to Seeds Crushed	60 per cent
Rapseed and Mustard	
Oil to Seeds Crushed	33 per cent
Cake to Seeds Crushed	67 per cent
Linseed	
Oil to seeds Crushed	33 per cent
Cake to Seeds Crushed	67 per cent
Castor Seed	
Oil to Seeds Crushed	37 per cent
Cake to Seeds Crushed	63 per cent
Cotton Seed	
Oil to Seeds Crushed	14 to 18 per cent
Cake to Seeds Crushed	82 to 86 per cent
Coconut	
Copra to Nuts	One Ton of Copra = 6773 Nuts
Oil to Copra Crushed	62 per cent
Cake to Copra Crushed	38 per cent

Nigerseed	
Oil to Seeds Crushed	28 per cent
Cake to Seeds Crushed	72 per cent
Kardi Seed	
Oil to Seeds Crushed	40 per cent
Cake to Seeds Crushed	60 per cent
Mahua Seed	
Oil to Seeds Crushed	36 per cent
Cake to Seeds Crushed	64 per cent
Neem Seed	
Oil to Kernels Crushed	45 to 50 per cent
Cake to Kernels Crushed	50 to 55 per cent
Soybean Seed	
Oil to Soybean Seed Crushed	18 per cent
Meal to Soybean Seed Crushed	73 per cent
Hull from Soybean Seed Crushed	8 per cent
Wastage from Soybean Seed Crushed	1 per cent
Sugar	
Gur from Cane Crushed	11.20 per cent to 11.50 per cent
Crystal Sugar from Gur Refined (Gur Refineries)	62.5 per cent
Crystal Sugar from Cane Crushed (Cane Factories)	10.20 per cent
Khandasari Sugar (Sulphur and Non-sulphur) from standard Gur Refined	46 per cent
Molasses from Cane Crushed	4.0 per cent to 4.5 per cent
Cane-Trash* from Cane Harvested	8.0 per cent to 12.0 per cent
Lac	
Seed Lac	66.0 per cent of Stick Lac
Shell Lac	57.4 per cent of Stick or 87.0 per cent of Seed Lac
Cashewnut	
Cashew Kernel	25 per cent of Cashewnuts

Note : *This consists of leaves and portion of the top of stalk which are removed from the cane stalk, while harvesting and before sending the cane for milling.

Source : Directorate of Economics and Statistics, Department of Agriculture and Farmers Welfare, Ministry of Agriculture and Farmers Welfare Govt. of India. (<https://desagri.gov.in>)

CONVERSION FACTORS

Area			Weight		
1 ha	=	2.47100 acres	1 metric tonne	=	2204.7 pounds
	=	100 x 100 sq m		=	0.98421 long ton
				=	1 .10231 short ton
1 acre	=	0.40468 ha		=	1000 kg
	=	4840 sq yd	1 q	=	10 q
	=	43.560 sq ft	1 long ton	=	100 kg
	=	0.00156 sq miles		=	2.240 pounds
	1 sq mile			1 short ton	=
=		640 acres	=		2.000 pounds
=		259 ha	1 kg	=	0.90781 metric ton
	=	2.59 sq kms	1 pound	=	2.20462 pounds
1 sq kilometer	=	0.3861 sq miles		=	0.45359 kg
100 sq ft	=	9.290 sq m	1 ounce	=	0.0283 kg or 28.35 gm
10 Marlas	=	0.0253 ha	16 ounce	=	1 pound
10 Bighas	=	0.8440 ha	10 pounds	=	4.54 kg
	=	2.0830 acre	1 mound	=	81.2857 pounds
		=		37.32410 kg	
10 Biswas	=	0.0420 ha	Distance		
20 Biswas	=	1 Bigha	1 mile	=	8 furlongs or 1760 yards or 5280 ft
20 Biswani	=	1 Biswa		=	1.609 km
4.8 Bighas	=	1 acre		=	1609.344 m
640 acre	=	1 sq mile	1 furlong	=	220 yards
10 Kanals	=	0.5058 ha		=	660 ft
1 Kanal	=	20 Marla		=	0.201168 km
Yield				=	201.168 m
				=	0.125 mile
100 kg per ha	=	1.4869 bushels (60 lb) per acre	1 km	=	5/8 mile = 0.6214 mile
1 bushel (60 lb) per acre	=	67.253 kg per ha		=	3280.84 ft
1 kg per ha	=	0.892169 lb per acre		=	1000 m
1 lb per acre	=	1.120864 kg per ha		=	1093.613 yards
Energy			1 meter	=	1.0936 yards
1 BTU	=	251.9958 calorie		=	3.28089 ft
	=	0.0003930148 horse power-hour		=	100 cm
	=	1055.056 Joule	1 inch	=	25.4 mm
	=	0.0002930711 kilo watt-hour		=	2.54 cm
		=	0.2930711 watt hour	1 foot	=
1 calorie	=	0.003968321 BTU	1 yard	=	0.3048 m
	=	4.1868 Joule		=	91.44 cm
	=	0.001163 watt-hour		=	0.9144 m

CONVERSION FACTORS

Atmosphere to lbs per sq inch	14.73
British thermal unit to kilo calorie	0.252
Cubic centimeter to cubic inch	0.061103
Cubic feet to cubic metre	0.02832
Cubic feet to gallons	6.228
Cubic inch to litre	0.01639
Cubic metre to cubic yard	1.308
Foot lbs per second to horse power	0.001818
Foot lbs to kilogram metre	0.1383
U.S. Gallons to litre	3.785
Barrels to gallons	42.00
Grams to ounces	0.03527
Grams to lbs	0.002205
Horse power to kWatts	0.746

Source : *Fertiliser Statistics, 2022-23*, The Fertiliser Association of India, New Delhi.



भाग-I
प्राकृतिक संसाधन

SECTION-I
Natural Resources

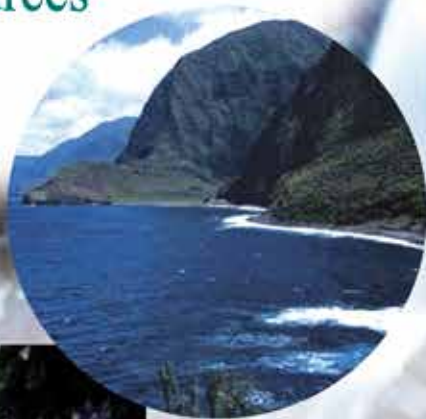


Table 1.1: Land use classification in India

Classification	1950-51	1980-81	1990-91	2000-01	2013-14#	2014-15#	2015-16#	2016-17#	2017-18#	2018-19#	2019-20#	2020-21#	2021-22#	2022-23#
I. Geographical area	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.75	328.74	328.74	328.76
II. Reporting area for land utilisation statistics (1 to 5)	284.32	304.16	304.86	305.19	307.54	307.52	307.49	308.06	307.51	307.53	306.54	306.98	306.49	306.65
1. Forests	40.48 (14.2)	67.46 (22.2)	67.81 (22.2)	69.84 (23.4)	71.85 (23.4)	72.07 (23.4)	72.14 (23.5)	72.29 (23.5)	72.33 (23.5)	72.29 (23.51)	71.75 (23.41)	71.98 (23.41)	72.00 (23.49)	72.02 (23.49)
2. Not available for cultivation (a+b)	47.52	39.55	40.48	41.23	43.66	43.99	43.77	44.55	44.07	44.28	44.32	44.41	44.09	44.40
(a) Non-agricultural uses	9.36 (3.3)	19.60 (6.4)	21.09 (6.9)	23.75 (7.8)	26.96 (8.8)	27.15 (8.8)	27.27 (8.9)	28.04 (9.1)	27.56 (9.0)	27.59 (8.97)	27.78 (9.06)	27.73 (9.03)	27.58 (9.00)	27.85 (9.08)
(b) Barren and uncultivable land	38.16 (13.4)	19.96 (6.6)	19.39 (6.4)	17.48 (5.7)	16.71 (5.4)	16.84 (5.5)	16.50 (5.4)	16.51 (5.4)	16.51 (5.4)	16.69 (5.43)	16.54 (5.40)	16.68 (5.43)	16.52 (5.39)	16.55 (5.40)
3. Other uncultivated land excluding fallow land (a+b+c)	49.45	32.31	30.22	27.74	25.79	25.85	25.59	25.63	25.71	25.64	25.56	25.24	25.21	24.90
(a) Permanent pastures and other grazing land	6.68	11.99	11.40	10.66	10.22	10.20	10.21	10.29	10.29	10.33	10.48	10.33	10.28	10.25
(b) Miscellaneous tree crops and groves	19.83 (7.0)	3.58 (1.2)	3.82 (1.3)	3.44 (1.1)	3.19 (1.0)	3.10 (1.0)	3.09 (1.0)	3.13 (1.0)	3.17 (1.0)	3.15 (1.03)	3.13 (1.02)	3.01 (0.98)	3.01 (0.98)	2.99 (0.98)
(c) Culturable waste land	22.94 (8.1)	16.74 (5.5)	15.00 (4.9)	13.63 (4.5)	12.39 (4.0)	12.55 (4.1)	12.28 (4.0)	12.21 (4.0)	12.25 (4.0)	12.16 (3.95)	11.95 (3.90)	11.91 (3.88)	11.92 (3.89)	11.66 (3.80)
4. Fallow land (a+b)	28.12	24.55	23.37	25.04	25.00	26.17	27.02	26.59	26.63	26.87	25.01	23.80	24.17	24.63
(a) Fallow land other than current fallow	17.45	9.72	9.66	10.27	10.70	11.09	11.31	11.29	11.64	11.65	11.24	10.82	10.92	11.13
(b) Current fallow	10.68	14.83	13.70	14.78	14.30	15.07	15.71	15.30	14.99	15.21	13.77	12.99	13.26	13.50
5. Net area sown	118.75 (41.8)	140.29 (46.1)	143.00 (46.9)	141.34 (46.3)	141.24 (45.9)	139.45 (45.3)	138.97 (45.2)	139.00 (45.1)	138.77 (45.1)	138.44 (45.02)	139.90 (45.64)	141.54 (46.11)	141.01 (46.01)	140.71 (45.88)
6. Area sown more than once	13.15	34.63	42.74	44.00	60.06	58.84	59.15	62.16	62.11	62.74	71.46	74.56	78.15	78.65
7. Gross cropped area (5+6)	131.89	172.63	185.74	185.34	201.30	198.28	198.12	201.16	200.88	201.18	211.36	216.11	219.16	219.36
8. Cropping intensity*	111.07	123.05	129.89	131.13	142.52	142.20	142.56	144.72	144.75	145.32	151.08	152.70	155.40	155.85
III. Net irrigated area	20.85	38.72	48.02	55.20	68.42	68.58	67.77	69.22	70.08	72.19	75.46	77.73	77.92	79.31
IV. Gross irrigated area	22.56	49.78	63.20	76.19	96.27	97.85	97.75	99.44	101.27	104.49	112.23	118.93	120.38	122.29

Note : 1. #: Provisional, 2. *: Cropping intensity is percentage of the gross cropped area to the net area sown, 3. Figure in parentheses indicate percentage share to the reporting area, 4. UT of Ladakh was bifurcated from the state of Jammu and Kashmir on 31st October, 2019.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In press).

Table 1.2: Agro-climatic regions/zones in India

Zone No.	Agro-climatic regions/zones	States/UTs represented
Zone 1	Western Himalayan region	Himachal Pradesh, UT of Jammu & Kashmir, UT of Ladakh, Uttarakhand
Zone 2	Eastern Himalayan region	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura, West Bengal
Zone 3	Lower Gangetic plain region	West Bengal
Zone 4	Middle Gangetic plain region	Uttar Pradesh, Bihar
Zone 5	Upper Gangetic plain region	Uttar Pradesh
Zone 6	Trans Gangetic plain region	Chandigarh, Delhi, Haryana, Punjab, Rajasthan
Zone 7	Eastern plateau and hills region	Chhattisgarh, Jharkhand, Madhya Pradesh, Maharashtra, Odisha, West Bengal
Zone 8	Central plateau and hills region	Madhya Pradesh, Rajasthan, Uttar Pradesh
Zone 9	Western plateau and hills region	Madhya Pradesh, Maharashtra
Zone 10	Southern plateau and hills region	Andhra Pradesh, Karnataka, Tamil Nadu
Zone 11	East coast plains and hills region	Andhra Pradesh, Odisha, Puducherry, Tamil Nadu
Zone 12	West coast plains and Ghat region	Goa, Karnataka, Kerala, Maharashtra, Tamil Nadu
Zone 13	Gujarat plains and hills region	Gujarat, Dadra & Nagar Haveli and Daman & Diu
Zone 14	Western dry region	Rajasthan
Zone 15	Island region	Andaman & Nicobar Islands, Lakshadweep

Source : Planning Commission (Khanna, 1989) has identified 15 resource development regions in the country, 14 in the main land and remaining one in the islands of Bay of Bengal and Arabian Sea.

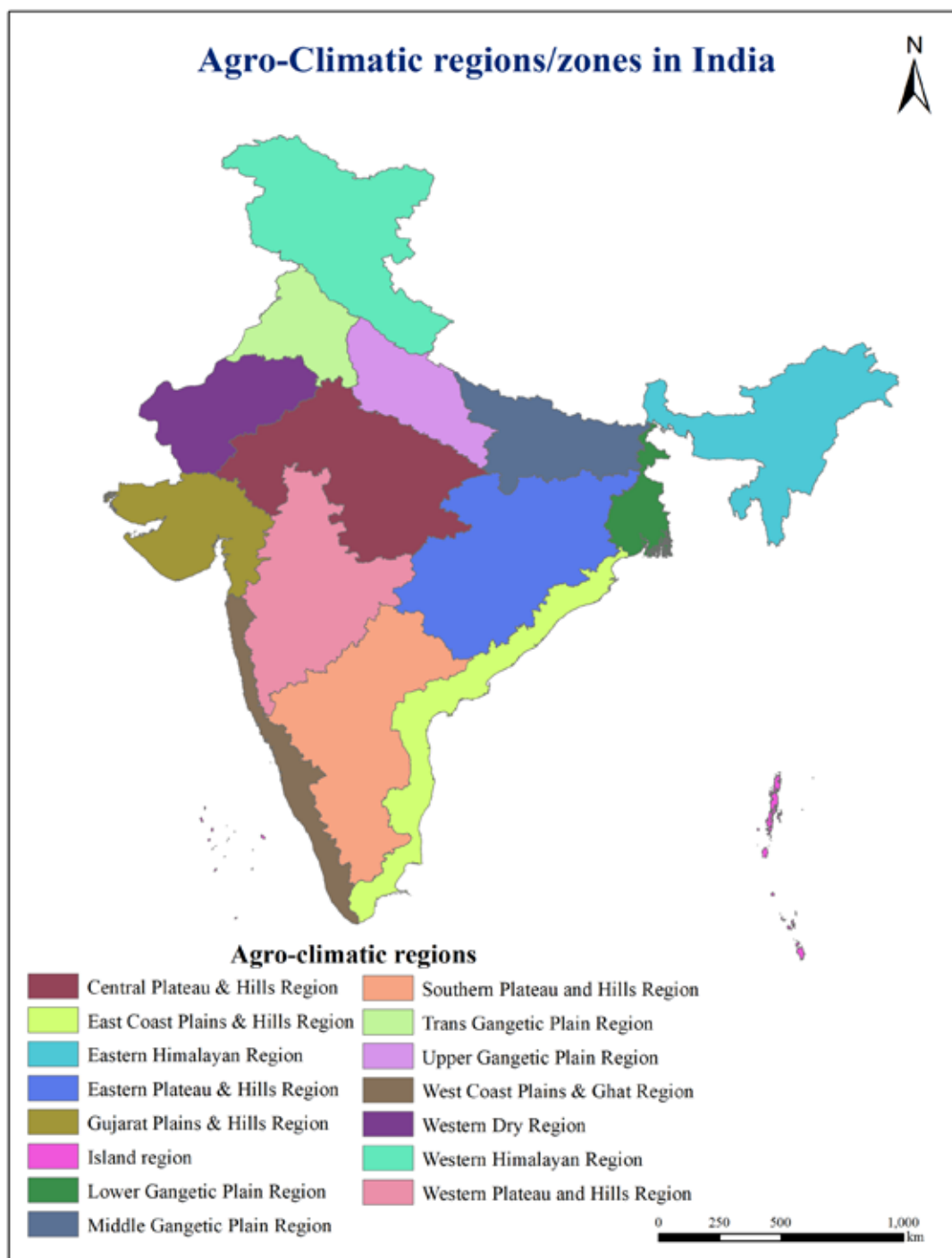


Table 1.3: Agro-ecological regions in India

Eco-system	Region	States represented	Eco-region	Soil type	Growing period (No. of days)
Arid	1. Western Himalaya	Jammu & Kashmir, HP	Cold arid	Shallow Skeletal	<90
	2. Western Plain, Kachchh and part of Kathiawar Peninsula	Gujarat, Rajasthan, Haryana, Punjab	Hot arid	Desert & Saline	<90
	3. Deccan Plateau	AP, Karnataka	Hot arid	Red & black	<90
Semi-arid	4. Northern Plain and Central Highlands including Aravallis	Gujarat, Rajasthan, UP, MP, Haryana, Punjab	Hot semi-arid	Alluvium-derived	90-150
	5. Central (Malwa) Highlands, Gujarat Plains & Kathiawar Peninsula	Gujarat, MP	Hot semi-arid	Medium & deep black	90-150
	6. Deccan Plateau	Karnataka, AP, Maharashtra, MP	Hot semi-arid	Shallow and medium (with inclusion of deep) black	90-150
	7. Deccan (Telangana) Plateau and Eastern Ghats	AP	Hot semi-arid	Red & black	90-150
	8. Eastern Ghats, TN Uplands and Deccan (Karnataka) Plateau	Karnataka, TN, Kerala	Hot semi-arid	Red loamy	90-150
Sub-humid	9. Northern Plain	Bihar, UP, Punjab	Hot sub-humid (dry)	Alluvium-derived	150-180
	10. Central Highlands (Malwa, Bundelkhand & Eastern Satpura)	MP, Maharashtra	Hot sub-humid	Black & red	150-180 (to 210)
	11. Eastern Plateau (Chhattisgarh)	MP	Hot sub-humid	Red & yellow	150-180
	12. Eastern (Chhota Nagpur) Plateau and Eastern Ghats	Odisha, West Bengal, Bihar, MP, Maharashtra	Hot sub-humid	Red & Lateritic	150-180 (to 210)
	13. Eastern Plain	UP, Bihar	Hot sub-humid (moist)	Alluvium-derived	180-210
	14. Western Himalayas	Jammu & Kashmir, HP, UP	Warm sub-humid (to humid with inclusion of per humid)	Brown forest and Podzolic	180-210+
Humid-Per humid	15. Bengal and Assam Plains	West Bengal, Assam	Hot sub-humid (moist) to humid (inclusion of per humid)	Alluvium-derived	210+
	16. Eastern Himalayas	Arunachal Pradesh, Sikkim, West Bengal	Warm per humid	Brown and red hill	210+
	17. North Eastern Hills (Purvanchal)	Tripura, Mizoram, Meghalaya	Warm per humid	Red and Lateritic	210+
Coastal	18. Eastern Coastal Plain	TN, Puducherry, AP, Odisha, West Bengal	Hot sub-humid to semi-arid	Coastal Alluvium-derived	90-210+
	19. Western Ghats & Coastal Plain	Kerala, Goa, Daman & Diu, Maharashtra, Gujarat, Kerala	Hot humid-Per humid	Red, Lateritic and Alluvium-derived	210+
Island	20. Island of Andaman-Nicobar and Lakshadweep	Andaman-Nicobar and Lakshadweep	Hot humid-Per humid	Red loamy and sandy	210+

Note : + can be greater than 210

Source : *Fertiliser Statistics 2023-24*, The Fertiliser Association of India, New Delhi.

Table 1.4: Area under broad soil groups

(million ha)

Major soil groups	Area	% of total geographical area
Red loamy	23.0	7.0
Red sandy	49.0	14.9
Laterite	11.7	3.6
Red & yellow	33.5	10.2
Shallow black	6.5	2.0
Medium black	41.7	12.7
Deep black	16.2	4.9
Mixed red & black	14.8	4.5
Coastal alluvium	6.2	1.9
Coastal sand	1.1	0.3
Deltaic alluvium	7.1	2.2
Alluvial-recent	39.0	11.9
Calcareous alluvium	2.2	0.7
Calcareous sierozem	4.9	1.5
Old alluvium	2.8	0.9
Grey brown	8.9	2.7
Desert soils-regosolic	13.4	4.1
Desert soils-lithosolic	8.5	2.6
Tarai	3.1	0.9
Brown hill	12.4	3.8
Sub-mountain	4.7	1.4
Mountain meadow	6.6	2.0
Saline & alkaline	*	*
Peaty and saline peaty	0.4	0.1
Skeletal	4.2	1.3
Other	6.8	1.9
Total geographical area	328.7	100.0

Note : *: The area of this soil is included into the areas under different groups of soil.

Source : *Fertiliser Statistics 2023-24*, The Fertiliser Association of India, New Delhi.

Table 1.5: Average size of holdings by different size classes

(ha)

Major size classes		Average size of operational holdings							
		1970-71	1980-81	1990-91	1995-96	2000-01*	2005-06*	2010-11	2015-16
Marginal	<1 ha	0.40	0.39	0.39	0.40	0.40	0.38	0.39	0.38
Small	1 to 2 ha	1.44	1.44	1.43	1.42	1.42	1.38	1.42	1.40
Semi-medium	2 to 4 ha	2.81	2.78	2.76	2.73	2.72	2.68	2.71	2.69
Medium	4 to 10 ha	6.08	6.02	5.90	5.84	5.81	5.74	5.76	5.72
Large	≥10 ha	18.10	17.41	17.33	17.20	17.12	17.08	17.38	17.07
All size classes		2.28	1.84	1.55	1.41	1.33	1.23	1.15	1.08

Note : *: Excluding Jharkhand.

Source : *All India report on Agriculture Census 2015-16*, Agriculture Census Division, Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.

Table 1.6: Number and area of operational holdings by type of holding

(Number: 000', Area: 000' ha)

Major size classes	Number						Area							
	1980-81	1990-91	1995-96	2000-01 *	2005-06 *	2010-11	2015-16	1980-81	1990-91	1995-96	2000-01 *	2005-06 *	2010-11	2015-16
Marginal (Below 1 ha)	50122 (56.4)	63389 (59.4)	71179 (61.6)	75408 (62.9)	83694 (64.8)	92826 (67.1)	100251 (68.5)	19735 (12.1)	24894 (15.0)	28121 (17.2)	29814 (18.7)	32026 (22.2)	35908 (22.5)	37923 (24.0)
Small (1 to 2 ha)	16072 (18.1)	20092 (18.8)	21643 (18.7)	22695 (18.9)	23930 (18.5)	24779 (17.9)	25809 (17.6)	23169 (14.1)	28827 (17.4)	30722 (18.8)	32139 (20.1)	33101 (20.9)	35244 (22.1)	36151 (22.9)
Semi-medium (2 to 4 ha)	12455 (14.0)	13923 (13.1)	14261 (12.4)	14021 (11.7)	14127 (10.9)	13896 (10.0)	13993 (9.6)	34645 (21.2)	38375 (23.2)	38953 (23.8)	38193 (24.0)	37898 (23.9)	37705 (23.6)	37619 (23.8)
Medium (4 to 10 ha)	8068 (9.1)	7580 (7.1)	7092 (6.1)	6577 (5.5)	6375 (4.9)	5877 (4.2)	5561 (3.8)	48543 (29.6)	44752 (27.1)	41398 (25.4)	38217 (24.0)	36583 (23.1)	33828 (21.2)	31810 (20.2)
Large (10 ha and above)	2166 (2.4)	1654 (1.6)	1404 (1.2)	1230 (1.0)	1096 (0.8)	973 (0.7)	838 (0.6)	37705 (23.0)	28659 (17.3)	24160 (14.8)	21072 (13.2)	18715 (11.9)	16907 (10.6)	14314 (9.1)
All size classes	88883 (100)	106637 (100)	115580 (100)	119931 (100)	129222 (100)	138348 (100)	146454 (100)	163797 (100)	165507 (100)	163355 (100)	159436 (100)	158323 (100)	159592 (100)	157817 (100)

Note : 1. Figures in parentheses indicate per cent contribution, 2. *: Excluding Jharkhand.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In press)

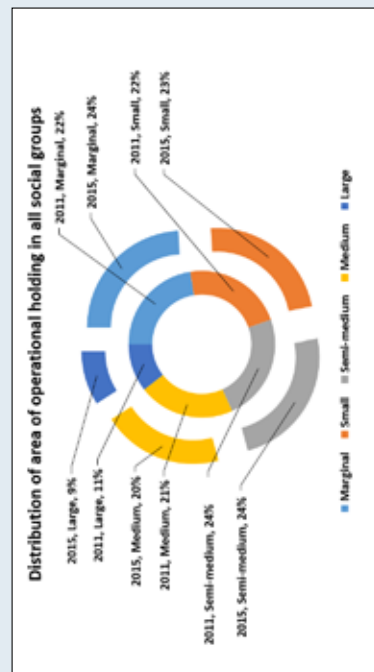
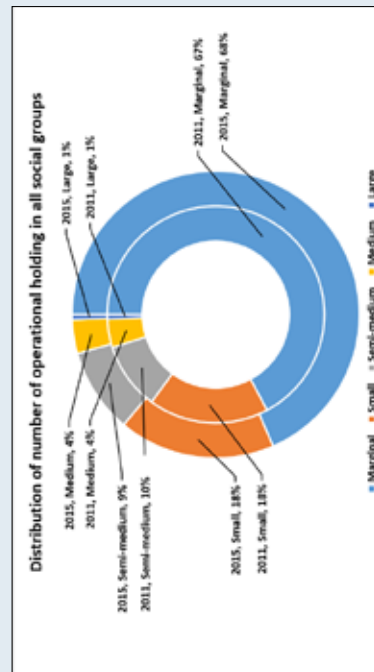


Table 1.7: State-wise distribution of number of operational holdings and area operated-all social groups

(Number: 000'; Area: 000' ha)

States/ Union Territories	Agriculture Census	Marginal		Small		Semi-medium		Medium		Large		All Holdings	
		No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area
Andaman & Nicobar Islands	2010-11	5	2	2	3	3	8	2	7	Neg.	1	12	22
	2015-16	5	2	3	4	3	8	1	6	Neg.	1	12	21
Andhra Pradesh	2010-11*	8425	3727	2918	4120	1399	3685	397	2209	36	552	13175	14293
	2015-16	5904	2336	1646	2334	770	2020	189	1038	15	276	8524	8004
Arunachal Pradesh	2010-11	21	12	19	26	34	94	28	155	7	97	109	384
	2015-16	27	14	24	31	29	77	26	153	7	104	113	380
Assam	2010-11	1831	775	497	687	304	818	85	437	4	282	2720	2999
	2015-16	1868	785	495	696	295	806	79	410	4	279	2742	2976
Bihar	2010-11	14744	3669	948	1186	415	1073	81	415	3	45	16191	6388
	2015-16	14971	3728	944	1178	414	1076	81	431	3	45	16413	6457
Chandigarh	2010-11	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	1	1
	2015-16	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	1	1
Chhattisgarh	2010-11	2183	953	831	1179	503	1348	202	1153	28	451	3746	5084
	2015-16	2434	1040	879	1238	493	1316	181	1026	23	372	4011	4992
Dadra & Nagar Haveli	2010-11	8	4	4	5	2	5	1	4	Neg.	2	15	20
	2015-16	9	5	4	5	2	5	1	4	Neg.	2	15	21
Daman & Diu	2010-11	8	2	Neg.	1	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	8	3
	2015-16	7	2	Neg.	1	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	8	3
Delhi	2010-11	11	5	5	6	3	8	2	9	Neg.	2	20	30
	2015-16	11	5	5	8	3	7	1	7	Neg.	2	21	29
Goa	2010-11	60	28	10	18	6	17	2	12	1	14	78	89
	2015-16	59	23	8	13	4	14	2	14	1	17	75	82
Gujarat	2010-11	1816	885	1429	2075	1080	2989	513	2930	49	1020	4886	9898
	2015-16	2019	1073	1616	2338	1150	3172	496	2804	40	590	5321	9978

Natural Resources

States/ Union Territories	Agriculture Census	Marginal		Small		Semi-medium		Medium		Large		All Holdings	
		No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area
Haryana	2010-11	778	360	315	463	284	814	195	1185	46	823	1617	3646
	2015-16	802	392	314	459	278	802	192	1168	41	788	1628	3609
Himachal Pradesh	2010-11	670	273	175	244	85	230	28	156	3	51	961	955
	2015-16	712	285	173	242	82	223	26	146	3	47	997	944
Jammu & Kashmir	2010-11	1207	416	167	235	64	171	11	62	1	12	1449	895
	2015-16	1187	397	160	221	58	154	11	59	1	11	1417	842
Jharkhand	2010-11	1848	764	429	591	283	775	129	725	20	311	2709	3165
	2015-16	1962	754	419	569	277	755	126	708	20	304	2803	3091
Karnataka	2010-11	3849	1851	2138	3020	1267	3393	511	2904	68	994	7832	12161
	2015-16	4767	2080	2214	3107	1193	3188	451	2569	56	861	8681	11805
Kerala	2010-11	6580	886	180	282	57	159	12	64	2	120	6831	1511
	2015-16	7333	856	181	242	56	142	11	60	2	95	7583	1395
Lakshadweep	2010-11	10	2	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	10	3
	2015-16	10	2	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	10	3
Madhya Pradesh	2010-11	3891	1915	2449	3466	1655	4510	789	4545	89	1400	8872	15836
	2015-16	4835	2372	2725	3836	1674	4522	707	4008	63	933	10003	15670
Maharashtra	2010-11	6709	3186	4052	5739	2159	5765	711	3993	68	1084	13699	19767
	2015-16	7816	3449	4339	5771	2327	6026	734	4099	70	1162	15285	20506
Manipur	2010-11	77	40	49	63	22	55	3	13	Neg.	Neg.	151	172
	2015-16	77	40	49	63	22	55	3	13	Neg.	Neg.	150	172
Meghalaya	2010-11	103	46	58	77	41	113	8	47	Neg.	4	210	287
	2015-16	123	56	60	80	40	109	9	51	Neg.	4	232	300
Mizoram	2010-11	50	30	30	38	10	24	2	9	Neg.	4	92	105
	2015-16	45	27	27	35	14	32	3	15	Neg.	4	90	112
Nagaland	2010-11	6	3	20	23	48	125	78	481	25	442	178	1074
	2015-16	8	5	30	37	63	169	74	431	21	314	197	956

States/ Union Territories	Agriculture Census	Marginal		Small		Semi-medium		Medium		Large		All Holdings	
		No.	Area	No.	Area	No.	Area	No.	Area	No.	Area	No.	Area
Odisha	2010-11	3368	1922	919	1498	311	919	64	381	6	142	4667	4862
	2015-16	3637	2057	887	1404	287	788	51	284	4	86	4866	4619
Puducherry	2010-11	28	10	3	4	1	4	Neg.	3	Neg.	1	33	22
	2015-16	28	8	3	5	2	4	Neg.	3	Neg.	1	34	21
Punjab	2010-11	164	101	195	269	325	855	298	1713	70	1029	1053	3967
	2015-16	154	93	207	290	368	984	305	1730	58	857	1093	3954
Rajasthan	2010-11	2512	1238	1511	2162	1335	3774	1127	6918	404	7044	6888	21136
	2015-16	3071	1483	1677	2389	1416	3989	1131	6899	359	6114	7655	20873
Sikkim	2010-11	40	15	17	20	11	27	6	32	1	12	75	107
	2015-16	44	18	13	18	11	29	4	20	Neg.	6	72	91
Tamil Nadu	2010-11	6267	2292	1181	1644	502	1356	151	848	17	350	8118	6488
	2015-16	6224	2169	1119	1555	452	1215	128	714	15	317	7938	5971
Telangana	2015-16	3840	1706	1409	1977	564	1467	126	688	9	135	5948	5972
Tripura	2010-11	499	140	55	76	22	54	3	14	Neg.	1	578	285
	2015-16	504	149	48	70	19	49	2	13	Neg.	1	573	282
Uttar Pradesh	2010-11	18532	7171	3035	4243	1334	3629	398	2199	25	380	23325	17622
	2015-16	19100	7298	3008	4175	1314	3560	377	2075	23	343	23822	17450
Uttarakhand	2010-11	672	296	157	225	65	175	17	94	1	25	913	816
	2015-16	659	283	149	206	58	156	14	79	1	23	881	747
West Bengal	2010-11	5853	2891	980	1557	267	731	23	110	1	222	7123	5510
	2015-16	5998	2929	971	1553	256	700	18	84	1	220	7243	5487
All India Total	2010-11	92826	35908	24779	35224	13896	37705	5875	33828	973	16907	138348	159592
	2015-16	100251	37923	25809	36151	13993	37619	5561	31810	838	14314	146454	157817

Note : 1. Total may not tally due to rounding off figures, 2. Neg.: Negligible (i.e. less than 500 units/hectare), 3. *: Undivided Andhra Pradesh

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In press)

Table 1.8: State-wise percentage distribution of number of operational holdings and area operated-all social groups

States/ Union Territories	Agriculture Census	Marginal		Small		Semi-medium		Medium		Large	
		No.	Area	No.	Area	No.	Area	No.	Area	No.	Area
Andaman & Nicobar Islands	2010-11	39.19	9.25	20.46	15.85	26.58	37.71	13.49	31.62	0.28	5.57
	2015-16	43.12	11.18	21.19	17.61	24.05	37.11	11.41	28.88	0.23	5.22
Andhra Pradesh	2010-11*	63.94	26.08	22.15	28.82	10.62	25.78	3.02	15.45	0.27	3.87
	2015-16	69.26	29.19	19.31	29.16	9.03	25.23	2.22	12.97	0.17	3.45
Arunachal Pradesh	2010-11	19.63	3.09	17.69	6.75	31.14	24.47	25.56	40.34	5.97	25.34
	2015-16	23.98	3.78	21.24	8.06	25.62	20.38	23.25	40.33	5.91	27.45
Assam	2010-11	67.31	25.83	18.25	22.91	11.16	27.27	3.12	14.58	0.15	9.39
	2015-16	68.13	26.37	18.07	23.39	10.77	27.09	2.89	13.78	0.14	9.37
Bihar	2010-11	91.06	57.44	5.86	18.56	2.56	16.80	0.50	6.50	0.02	0.71
	2015-16	91.21	57.73	5.75	18.25	2.52	16.66	0.50	6.67	0.02	0.69
Chandigarh	2010-11	63.45	22.58	18.63	20.64	10.92	24.15	6.58	29.03	0.42	3.60
	2015-16	64.17	22.61	18.58	20.92	10.83	25.77	6.15	27.21	0.27	3.49
Chhattisgarh	2010-11	58.26	18.74	22.18	23.20	13.43	26.51	5.39	22.68	0.74	8.88
	2015-16	60.69	20.83	21.93	24.81	12.29	26.36	4.51	20.55	0.58	7.45
Dadra & Nagar Haveli	2010-11	55.54	20.38	26.51	26.33	12.27	24.63	4.98	20.73	0.71	7.92
	2015-16	56.47	21.81	25.40	24.81	12.52	25.04	4.95	20.85	0.66	7.49
Daman & Diu	2010-11	92.35	56.81	5.48	19.78	1.64	11.15	0.43	7.18	0.13	5.08
	2015-16	92.59	58.11	5.28	19.78	1.63	12.38	0.42	6.99	0.07	2.75
Delhi	2010-11	55.17	16.20	22.04	20.14	14.53	27.05	7.53	28.95	0.73	7.66
	2015-16	55.12	17.97	26.08	26.35	12.41	25.08	5.80	23.86	0.58	6.74
Goa	2010-11	78.82	26.61	11.16	16.80	6.22	18.36	2.98	17.89	0.82	20.34
	2015-16	79.76	28.60	10.84	16.36	5.78	17.08	2.81	17.19	0.81	20.77
Gujarat	2010-11	36.89	8.58	29.12	20.08	22.00	28.92	10.48	28.41	1.51	14.00
	2015-16	37.94	10.76	30.37	23.43	21.62	31.79	9.32	28.11	0.75	5.91

States/ Union Territories	Agriculture Census	Marginal		Small		Semi-medium		Medium		Large	
		No.	Area	No.	Area	No.	Area	No.	Area	No.	Area
Haryana	2010-11	48.11	9.89	19.47	12.69	17.55	22.34	12.04	32.52	2.83	22.56
	2015-16	49.29	10.85	19.28	12.73	17.07	22.23	11.81	32.36	2.54	21.83
Himachal Pradesh	2010-11	69.69	28.52	18.23	25.53	8.86	24.21	2.88	16.43	0.34	5.31
	2015-16	71.45	30.23	17.40	25.66	8.25	23.65	2.60	15.48	0.30	4.98
Jammu & Kashmir	2010-11	83.25	46.51	11.53	26.19	4.39	19.05	0.79	6.94	0.04	1.31
	2015-16	83.79	47.18	11.29	26.20	4.10	18.27	0.78	7.06	0.04	1.29
Jharkhand	2010-11	68.23	24.13	15.83	18.66	10.44	24.49	4.75	22.90	0.75	9.82
	2015-16	69.98	24.40	14.94	18.43	9.89	24.44	4.48	22.90	0.71	9.83
Karnataka	2010-11	49.14	15.22	27.30	24.83	16.17	27.90	6.52	23.88	0.86	8.17
	2015-16	54.92	17.62	25.50	26.32	13.74	27.01	5.20	21.76	0.64	7.29
Kerala	2010-11	96.32	58.62	2.64	18.69	0.83	10.53	0.18	4.24	0.03	7.92
	2015-16	96.70	61.37	2.39	17.37	0.74	10.16	0.15	4.30	0.02	6.80
Lakshadweep	2010-11	95.81	62.22	2.60	13.23	1.26	11.79	0.25	5.78	0.08	6.98
	2015-16	95.46	63.24	2.81	12.77	1.35	12.36	0.31	6.35	0.08	5.27
Madhya Pradesh	2010-11	43.86	12.10	27.60	21.89	18.65	28.48	8.89	28.70	1.00	8.84
	2015-16	48.33	15.14	27.24	24.48	16.74	28.86	7.07	25.58	0.63	5.95
Maharashtra	2010-11	48.98	16.06	29.56	28.90	15.75	29.04	5.18	20.10	0.53	5.90
	2015-16	51.13	16.82	28.39	28.14	15.22	29.38	4.80	19.99	0.46	5.66
Manipur	2010-11	50.95	23.36	32.43	36.47	14.76	32.11	1.83	7.80	0.03	0.26
	2015-16	50.97	23.40	32.39	36.46	14.80	32.13	1.82	7.76	0.03	0.25
Meghalaya	2010-11	52.22	21.29	29.13	33.35	15.28	30.61	3.24	13.00	0.12	1.55
	2015-16	52.82	18.64	25.93	26.52	17.15	36.29	3.98	17.13	0.11	1.41
Mizoram	2010-11	54.65	28.79	32.38	36.00	10.80	22.94	1.88	8.47	0.29	3.80
	2015-16	50.08	24.16	30.61	31.18	15.41	28.16	3.57	13.26	0.32	3.25
Nagaland	2010-11	4.29	0.37	11.47	2.19	26.45	11.42	43.65	44.64	14.14	41.39
	2015-16	4.18	0.48	15.16	3.85	32.22	17.72	37.54	45.08	10.90	32.87

Natural Resources

States/ Union Territories	Agriculture Census	Marginal		Small		Semi-medium		Medium		Large	
		No.	Area	No.	Area	No.	Area	No.	Area	No.	Area
Odisha	2010-11	72.17	39.53	19.68	30.81	6.67	18.90	1.36	7.84	0.12	2.92
	2015-16	74.74	44.53	18.23	30.40	5.89	17.06	1.05	6.15	0.08	1.87
Puducherry	2010-11	85.71	45.11	8.36	18.66	4.36	18.98	1.35	11.75	0.21	5.51
	2015-16	83.81	39.28	10.00	23.55	4.63	20.52	1.42	12.91	0.13	3.75
Punjab	2010-11	15.62	2.55	18.57	6.78	30.83	21.56	28.35	43.18	6.62	25.93
	2015-16	14.13	2.36	18.98	7.33	33.67	24.88	27.93	43.75	5.28	21.68
Rajasthan	2010-11	36.46	5.86	21.94	10.23	19.38	17.86	16.36	32.73	5.86	33.33
	2015-16	40.12	7.10	21.91	11.44	18.50	19.11	14.78	33.05	4.69	29.29
Sikkim	2010-11	54.02	13.88	22.61	19.12	14.43	25.24	7.93	30.22	1.04	11.53
	2015-16	61.92	19.89	17.85	19.54	14.81	31.66	4.91	21.96	0.51	6.95
Tamil Nadu	2010-11	77.19	35.33	14.56	25.34	6.19	20.89	1.85	13.06	0.21	5.39
	2015-16	78.41	36.32	14.10	26.05	5.70	20.36	1.61	11.96	0.18	5.31
Telangana	2015-16	64.56	28.57	23.69	33.10	9.47	24.56	2.11	11.52	0.16	2.25
	2010-11	85.17	44.93	9.75	26.20	4.36	21.85	0.71	6.58	0.02	0.43
Uttar Pradesh	2015-16	87.95	52.80	8.37	24.88	3.23	17.46	0.43	4.48	0.01	0.38
	2010-11	79.23	39.27	13.14	24.58	5.79	21.10	1.73	12.82	0.11	2.23
Uttarakhand	2015-16	80.18	41.82	12.63	23.92	5.51	20.40	1.58	11.89	0.10	1.97
	2010-11	73.65	36.23	17.24	27.60	7.10	21.50	1.90	11.55	0.12	3.11
West Bengal	2015-16	74.78	37.93	16.89	27.60	6.59	20.81	1.64	10.55	0.10	3.12
	2010-11	82.16	52.47	13.76	28.26	3.75	13.26	0.32	1.99	0.01	4.02
All India Total	2015-16	82.81	53.39	13.41	28.31	3.53	12.76	0.24	1.54	0.01	4.00
	2010-11	67.04	22.24	17.93	22.07	10.05	23.59	4.25	21.18	0.73	10.92
	2015-16	68.45	24.03	17.62	22.91	9.55	23.84	3.80	20.16	0.57	9.07

Note : *. Undivided Andhra Pradesh

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In press)

Table 1.9: India's major natural disasters since 1995

Year	Type	Affected population location	Loss (no. of human life)	Loss to crops & property
1995	Floods	Large parts of the country	1360	Property worth ₹ 17.7 billion and 2.35 million hectare crop damaged.
1996	Floods	Large parts of the country	1700	Property worth ₹ 22.0 billion and 20.0 million hectare crop damaged.
1996	Cyclone	Andhra Pradesh	1058	0.3 million houses fully and a similar number partially damaged. 0.1 million hectare crop damaged. Loss to property worth ₹ 61.26 billion.
1997	Earthquake	Jabalpur	39	N.A.
1998	Earthquake	Chamoli	100	N.A.
1999	Cyclone	Odisha	9887	1.8 million hectare crop area and 1.6 million houses damaged.
1999	Cyclone	West Bengal	N.A.	₹ 577.30 million
2000	Floods	Andhra Pradesh, Assam, Arunachal Pradesh, West Bengal, Bihar, Punjab, Uttar Pradesh, Himachal Pradesh, Gujarat, Karnataka, Kerala, MP and Sikkim	3048	Estimated value of public properties ₹ 1957.82 crores.
2001	Earthquake	Gujarat	N.A.	Estimated value of public properties ₹ 21,262 crores. Over 20,000 people killed, 1,50,000 injured and 1,59,00,000 affected, 12.54 lakh house damaged.
2004	Tsunami/ Tide waves	Andaman & Nicobar Islands, Andhra Pradesh, Tamil Nadu and Puducherry	N.A.	Over 10,749 people killed. 5,640 people expected missing. About 6.5 lakh people moved to the referred places.
2005	Earthquake	Pakistan & Kashmir	N.A.	Over 87,000 people killed.
2008	Kosi floods	North Bihar	527	19323 livestock perished, 3.3 million persons affected.
	Cyclone Nisha	Tamil Nadu	204	
2009	Floods	Andhra Pradesh, Karnataka	300	N.A.
	Drought	252 districts in 10 States	N.A.	N.A.

Natural Resources

Year	Type	Affected population location	Loss (no. of human life)	Loss to crops & property
2010	Cloud-burst	Leh, Ladakh in Jammu & Kashmir	N.A.	N.A.
2011	Earthquake	North Eastern India with epicenter near Nepal Border and Sikkim	97	N.A.
	Floods	19 districts of Odisha	45	N.A.
	Earthquake	Sikkim, West Bengal, Bihar	60	N.A.
	Cyclone Thane	Tamil Nadu, Puducherry	47	N.A.
2012	Floods	Assam	N.A.	N.A.
	Floods	Uttarkashi, Rudraprayag and Bageshwar districts of Uttarakhand	52	N.A.
	Cyclone Nilam	Tamil Nadu	65	N.A.
2013	Cyclone Mahasen	Tamil Nadu	8	N.A.
	Floods/Land-slides	Uttarakhand and Himachal Pradesh	4094	N.A.
	Cyclone Phailin	Odisha and Andhra Pradesh	23	N.A.
	Floods	Andhra Pradesh	53	N.A.
	Floods	Odisha	21	N.A.
2014	Cyclone Hud Hud	Andhra Pradesh & Odisha	N.A.	N.A.
	Floods	Jammu & Kashmir	N.A.	N.A.
2015	Cyclonic Storms	West Bengal	N.A.	N.A.
	Floods and Heavy Rains	Tamil Nadu, Rajasthan, Andhra Pradesh, Gujarat	N.A.	N.A.
2016	Cyclonic Storm	Tamil Nadu	N.A.	N.A.
2017	Lightning	Odisha and Maharashtra	N.A.	N.A.
2018	Floods and Heavy Rains	Kerala and Uttar Pradesh	N.A.	N.A.
2019	Floods and Heavy Rains	Bihar, Maharashtra and Kerala	N.A.	N.A.
2020	Lightning & Thunderstorm	Bihar, Uttar Pradesh and Jharkhand	N.A.	N.A.
	Cold Wave	Bihar and Uttar Pradesh	N.A.	N.A.
2021	Floods and Heavy Rains	Maharashtra and Uttarakhand	N.A.	N.A.
	Lightning & Thunderstorm	Odisha, Madhya Pradesh, Bihar, Maharashtra, West Bengal and Jharkhand	N.A.	N.A.

Year	Type	Affected population location	Loss (no. of human life)	Loss to crops & property
	Cyclonic Storms	Gujarat, Maharashtra, Kerala, Karnataka, Andhra Pradesh, Odisha, Goa, Telangana, Jharkhand, West Bengal and Bihar	N.A.	N.A.
2022	Lightning & Thunderstorm	Bihar, Odisha, Madhya Pradesh, Jharkhand, Uttar Pradesh, Rajasthan, Chhattisgarh and Maharashtra	N.A.	N.A.
	Floods and Heavy Rains	Assam, Maharashtra and Uttar Pradesh	N.A.	N.A.
	Dust Storms	Dust Storms	N.A.	N.A.
	Lighting & Thunderstorm	Bihar, Odisha, Madhya Pradesh, Maharashtra, Jharkhand, Uttar Pradesh, Chhattisgarh and Rajasthan	N.A.	N.A.
2023	Floods and Heavy Rains	Madhya Pradesh, Himachal Pradesh, Sikkim, Uttar Pradesh, Uttarakhand, Maharashtra and Rajasthan	N.A.	N.A.
	Heat Wave	Uttar Pradesh, Odisha, Jharkhand, Maharashtra, and Andhra Pradesh	N.A.	N.A.
	Extremely Severe Cyclonic	Gujarat and Rajasthan	N.A.	N.A.
	Severe Cyclonic Storm 'MICHAUNG'	Tamil Nadu, Andhra Pradesh, Telangana and Odisha	N.A.	N.A.
2024	Lightning & Thunderstorm	Bihar, Madhya Pradesh, Uttar Pradesh, Odisha, Telangana, Jharkhand, Maharashtra, West Bengal, Rajasthan, Andhra Pradesh, Chhattisgarh	N.A.	N.A.
	Floods and Heavy Rains	Kerala, Madhya Pradesh, Assam, Karnataka, Rajasthan, Andhra Pradesh, Maharashtra, Telangana, Bihar	N.A.	N.A.
	Heat Wave	Uttar Pradesh, Bihar, Telangana, Jharkhand, Maharashtra, Odisha, Rajasthan	N.A.	N.A.
	Severe Cyclonic Storm REMAL	Mizoram, West Bengal, Meghalaya, Nagaland, Manipur, Assam	N.A.	N.A.
	Cyclonic Storm FENGAL	Tamil Nadu, Puducherry	N.A.	N.A.

Natural Resources

Year	Type	Affected population location	Loss (no. of human life)	Loss to crops & property
2024	Severe Cyclonic Storm DANA	West Bengal	N.A.	N.A.

Note : N.A.: Not available.

Source : EnviStats India 2025, Central Statistics Office, Ministry of Statistics & Programme Implementation, Govt. of India.
(Website: https://www.mospi.gov.in/sites/default/files/reports_and_publication/statistical_publication/EnvStats/Complete_ESI_2025.pdf)

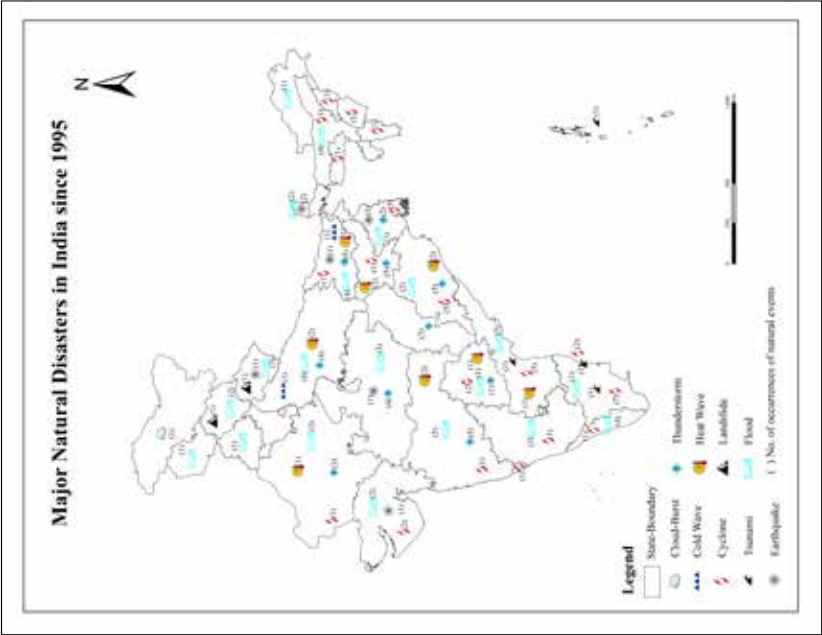


Table 1.10: Year-wise damage due to natural extreme events in India

Year	Live Lost human (in No.)	Cattle Lost (in No.)	Houses damaged (in No.)	Cropped areas affected (in Lakh hectares)
2001-02	834	21269	346878	18.72
2002-03	898	3729	462700	21.00
2003-04	1992	25393	682209	31.98
2004-05	1995	12389	1603300	32.53
2005-06	2698	110997	2120012	35.52
2006-07	2402	455619	1934680	70.87
2007-08	3764	119218	3527041	85.13
2008-09	3405	53833	1646905	35.56
2009-10	1677	128452	1359726	47.13
2010-11	2310	48778	1338619	46.25
2011-12	1600	9126	876168	18.87
2012-13	946	24293	667319	14.44
2013-14	5677	102998	1210227	63.75
2014-15	1674	92180	725390	26.85
2015-16	1460	59057	1313371	31.09
2016-17	1487	41965	546518	25.49
2017-18	2057	46488	915878	47.44
2018-19	2045	123014	1557908	17.09
2019-20	2422	71755	744589	114.30
2020-21	1989	51195	185141	68.57
2021-22	1593	44346	709060	43.80
2022-23	1586	29267	301873	18.42
2023-24*	2616	119683	140834	13.39
2024-25*	3080	61960	364124	14.24

Note : 1. *: Provisional

Source : EnviStats India 2025, Central Statistics Office, Ministry of Statistics & Programme Implementation, Govt. of India. (Website: https://www.mospi.gov.in/sites/default/files/reports_and_publication/statistical_publication/EnviStats/Complete_ESI_2025.pdf)

Table 1.11: Drought years in India

Year	Area affected (million sq. km.)	% area of the country affected	Category
1876	0.49	15.8	Slight
1877	2.03	64.7	Calamitous
1883	1.03	32.8	Moderate
1884	0.70	22.2	Slight
1885	0.48	15.4	Slight
1891	1.15	36.7	Moderate
1896	0.68	21.7	Slight
1899	1.99	63.4	Calamitous
1901	0.89	28.5	Moderate
1902	0.54	17.1	Slight
1904	0.98	31.1	Moderate
1905	1.09	34.7	Moderate
1907	0.85	27.2	Slight
1911	0.97	30.8	Moderate
1913	0.70	22.3	Slight
1915	0.63	20.2	Slight
1918	2.16	68.7	Calamitous
1920	1.22	38.8	Moderate
1925	0.80	25.5	Slight
1928	0.67	21.4	Slight
1936	0.86	27.6	Slight
1941	1.01	32.3	Moderate
1951	1.04	33.2	Moderate
1952	0.81	25.8	Slight
1965	1.35	42.9	Moderate
1966	1.01	32.3	Moderate
1968	0.45	20.6	Slight
1969	0.62	19.9	Slight
1971	0.42	13.3	Slight
1972	1.39	44.4	Severe
1974	0.92	29.3	Moderate
1979	1.24	39.4	Moderate
1982	1.04	33.1	Moderate
1985	0.95	30.1	Moderate
1986	0.60	19.0	Slight
1987	1.55	49.2	Severe
2002	N.A.	N.A.	Severe
2009	N.A.	N.A.	Severe

Note : N.A.: Not available.

Source : *Fertiliser Statistics 2016-17*, The Fertiliser Association of India, New Delhi.

Table 1.12: Flood damages/heavy rains in India

Year	Area affected (million ha)	Population affected (million)	Damage to crops		Damage to house		Cattle lost Nos. (‘000)	Human lives lost Nos.	Damage to public utilities (₹ million)	Total damages to crops, houses & public utilities (₹ million)
			Area (million ha)	Value (₹ million)	Nos. (‘000)	Value (₹ million)				
1953	2.29	24.28	0.93	420.80	265	74.20	47	37	29.00	524.00
1960	7.53	8.35	21.27	425.50	610	143.10	14	510	63.10	631.70
1965	1.46	3.61	0.27	58.70	113	2.00	7	79	10.70	71.40
1970	8.46	31.83	4.91	1627.80	1434	486.10	19	1076	764.40	2878.30
1975	6.17	31.36	3.85	2714.90	804	341.00	17	686	1660.50	4716.40
1980	11.46	54.12	5.55	3663.70	2533	1708.50	59	1913	3032.80	8405.00
1985	8.38	59.59	4.65	14253.70	2450	5838.60	43	1804	20500.40	40592.70
1990	9.30	40.26	3.18	6956.10	1020	2137.30	134	1855	4552.70	17089.20
1991	6.36	33.89	2.70	5790.20	1134	1804.20	41	1187	7288.90	14883.30
1992	2.64	19.26	1.75	10275.80	687	3082.80	79	1533	20106.70	33445.30
1993	11.44	30.41	3.21	13086.30	1926	5283.20	211	2864	14455.30	33824.90
1994	4.81	27.55	3.96	8886.20	915	1652.10	52	2078	7407.60	17945.90
1995	5.24	35.93	3.24	17147.90	2002	13078.90	62	1814	6796.30	37023.10
1996	8.05	44.73	3.83	11244.90	727	1765.90	73	1803	8613.90	30057.40
1997	4.57	29.66	2.26	6927.40	505	1525.00	28	1402	19859.30	28311.80
1998	10.85	47.44	7.50	25941.70	1933	11087.80	107	2889	51577.70	88607.20
1999	7.77	27.99	1.75	18508.70	1613	12990.60	91	745	4628.30	36127.60
2000	5.38	45.01	3.58	42466.20	2629	6809.40	123	2606	39369.80	88645.40
2001	6.18	26.46	3.96	6884.80	716	8164.70	33	1444	56044.60	71094.20

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Year	Area affected (million ha)	Population affected (million)	Damage to crops		Damage to house		Cattle lost Nos. (‘000)	Human lives lost Nos.	Damage to public utilities (₹ million)	Total damages to crops, houses & public utilities (₹ million)
			Area (million ha)	Value (₹ million)	Nos. (‘000)	Value (₹ million)				
2002	7.09	26.32	2.19	9130.90	762	5993.70	22	1001	10620.80	25745.40
2003	6.12	43.20	4.27	7307.23	775	756.48	15	2166	3262.15	11325.87
2004	5.31	43.73	2.89	778.69	1664	879.60	134	1813	1656.09	3529.71
2005	12.56	22.93	12.30	2370.92	716	380.53	120	1455	4688.22	7660.49
2006	1.10	25.22	1.82	2850.67	1497	3636.85	267	1431	13303.93	21546.29
2007	7.14	41.40	8.79	3121.53	3280	2113.11	89	3389	8049.04	13425.34
2008	3.43	29.91	3.19	3401.56	1567	1141.89	102	2876	5046.48	9595.34
2009	3.84	29.54	3.59	4232.61	1236	10809.80	63	1513	17509.35	32554.77
2010	2.62	18.30	4.99	5887.38	294	875.95	40	1582	12757.25	19520.59
2011	1.90	15.97	2.72	1393.85	1153	410.48	36	1761	6053.57	7857.89
2012	2.14	14.69	1.95	1534.11	175	240.57	32	933	9169.97	10944.65
2013*	3.64	21.15	3.64	3214.99	662	526.12	157	2137	3938.12	11094.96
2014*	10.24	9.25	5.09	1439.15	169	459.22	17	1402	4740.34	6638.27
2015*	0.26	22.70	2.42	12693.08	870	7998.93	26	963	8343.79	29099.93
Total	442.53	1981.17	236.67	84890.97	75918	42598.16	5930	102986	136395.50	268551.11
Average	7.02	31.45	3.76	1347.48	1205.05	676.16	94.12	1634.70	2165.01	4262.72
Maximum (Year)	17.05 (1978)	70.45 (1978)	12.30 (2005)	12693.08 (2003)	3507.54 (1978)	10809.80 (2009)	618 (1979)	11316 (1977)	17509.35 (2009)	32551.76 (2009)

Note : *: Tentative.

Source : Compendium of Environment Statistics India 2016, Central Statistics Office, Ministry of Statistics & Programme Implementation, Govt. of India.
(Website: <http://www.mospi.gov.in>)

Table 1.13: All India rainfall distribution

Year	Monsoon Season (June-September)			Post-Monsoon* (October-December)			Winter Season (January-February)			Pre-Monsoon Season (March-May)			Over all Rainfall (June-May)		
	Actual	Normal	% Departure	Actual	Normal	% Departure	Actual	Normal	% Departure	Actual	Normal	% Departure	Actual	Normal	% Departure
1996-97	927.6	905.7	2.4	128.0	120.8	6.0	21.0	40.6	-48.3	118.9	123.2	-3.5	1195.5	1190.3	0.4
1997-98	927.4	908.6	2.1	187.7	119.5	57.1	44.1	41.9	5.3	132.3	128.3	3.1	1291.5	1198.3	7.8
1998-99	945.2	903.6	4.6	178.8	121.8	46.8	28.4	42.8	-33.6	123.1	130.6	-5.7	1275.5	1198.3	6.4
1999-00	866.9	903.2	-4.0	144.7	121.8	18.8	43.1	42.5	1.4	128.8	129.5	-0.5	1183.5	1197.0	-1.1
2000-01	833.7	902.3	-7.6	64.1	121.7	-47.3	16.2	42.2	-61.6	129.7	129.3	0.3	1043.7	1195.5	-12.7
2001-02	826.0	901.1	-8.3	137.7	121.7	13.1	35.0	41.2	-15.0	121.5	132.0	-8.0	1120.2	1196.0	-6.3
2002-03	737.1	911.7	-19.2	83.4	123.7	-32.6	53.2	38.3	38.9	107.7	131.7	-18.2	981.4	1205.4	-18.6
2003-04	947.3	902.7	4.9	134.6	125.0	7.7	34.5	39.2	-12.0	161.6	129.6	24.7	1278.0	1196.5	6.8
2004-05	779.6	893.3	-12.7	111.8	125.7	-11.1	69.8	43.8	59.0	124.7	134.5	-7.3	1085.9	1197.3	-9.3
2005-06	879.3	892.5	-1.0	138.4	125.8	10.0	27.8	43.9	-37.0	139.9	134.6	3.9	1185.4	1196.8	-1.0
2006-07	886.6	892.2	-0.6	99.3	125.9	-21.1	34.3	43.8	-21.7	112.8	133.6	-15.6	1133.0	1195.5	-5.2
2007-08	936.9	892.2	5.0	85.4	125.9	-32.2	42.6	43.2	-1.4	115.3	133.5	-13.6	1180.2	1194.8	-1.2
2008-09	873.2	892.2	-2.1	87.2	125.9	-30.7	23.6	43.8	-46.1	91.0	134.5	-32.3	1075.0	1196.4	-10.1
2009-10	689.8	892.2	-22.7	135.5	125.9	7.6	24.6	43.8	-43.8	122.9	133.7	-8.1	972.8	1195.6	-18.6
2010-11	912.8	893.2	2.2	153.2	126.3	21.3	31.9	40.9	-22.0	114.4	131.3	-12.9	1212.3	1191.7	1.7
2011-12	899.9	887.5	1.4	65.7	127.2	-48.3	38.8	40.9	-5.8	90.3	131.3	-31.2	1094.7	1186.9	-7.8
2012-13	819.5	886.9	-7.6	100.6	127.2	-20.9	51.4	40.9	25.7	101.9	131.3	-22.4	1073.4	1186.3	-9.5
2013-14	936.7	886.9	5.6	149.5	127.2	17.5	46.2	40.9	13.0	130.0	131.3	-1.0	1262.4	1186.3	6.4
2014-15	777.5	886.9	-12.3	85.2	127.2	-33.0	37.6	41.4	-9.2	181.5	131.5	38.0	1081.8	1187.0	-8.9
2015-16	760.6	887.5	-14.3	97.8	127.2	-23.1	17.9	41.4	-56.8	131.0	131.5	-0.40	1007.3	1187.6	-15.2
2016-17	862.0	887.5	-2.9	69.7	127.2	-45.2	39.3	41.4	-5.1	128.4	131.5	-2.4	1099.4	1187.6	-7.4
2017-18	841.3	887.5	-5.2	112.7	127.2	-11.4	15.4	41.4	-62.8	117.0	131.5	-11.0	1086.4	1187.6	-8.5
2018-19	804.0	887.5	-9.4	71.2	127.2	-44.0	51.4	41.4	24.2	9.0	131.5	-24.7	1025.6	1187.6	-13.6
2019-20	968.3	880.6	10.0	160.0	123.8	29.2	40.2	41.4	-1.4	158.5	131.7	20.3	1327.0	1176.9	12.8
2020-21	957.6	880.6	8.7	124.6	123.8	0.6	27.8	40.8	-32.0	155.2	131.7	18.0	1265.2	1176.9	7.5
2021-22	874.6	880.6	-1.0	177.8	123.8	44.0	58.7	40.8	44.0	130.6	131.7	-1.0	1241.7	1176.9	5.5
2022-23	925.0	868.6	6.0	143.4	119.5	20.0	21.9	39.8	-45.0	146.6	130.6	12.0	1236.9	1158.5	6.8
2023-24	820.0	868.6	-6.0	110.7	121.0	-9.0	27.0	39.8	-32.0	125.9	130.6	-4.0	1083.6	1160.0	-6.6
2024-25	934.8	868.6	8.0	99.6	110.2	-10.0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Note : 1. *: Position is up to 10th December, 2024; 2. N.A.: Not AvailableSource : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In press).

Table 1.14: State-wise consumption of electricity for agricultural purpose during 2021-22 and 2022-23(1 Giga Watt hour = 10⁶ Kilo Watt hour)

Zones/States/Uts	Consumption for agricultural purposes		Total consumption		% Share of consumption for agricultural purposes	
	2021-22	2022-23	2021-22	2022-23	2021-22	2022-23
NORTHERN	70394.13	76368.16	330263.67	379070.83	21.31	20.15
Chandigarh	1.43	1.58	1409.33	1645.90	0.10	0.10
Delhi	33.10	39.97	27624.83	34106.76	0.12	0.12
Haryana	9123.54	10204.06	46230.71	55241.24	19.73	18.47
Himachal Pradesh	85.10	90.93	10198.09	10976.42	0.83	0.83
Jammu & Kashmir	375.42	358.24	10230.97	9769.16	3.67	3.67
Punjab	12572.46	13805.04	53489.47	58532.41	23.50	23.59
Rajasthan	28816.56	30734.09	69831.14	79614.89	41.27	38.60
Uttar Pradesh	18956.52	20716.02	98730.34	115675.05	19.20	17.91
Uttarakhand	430.00	418.24	12518.80	13509.00	3.43	3.10
WESTERN	82538.90	93600.34	352096.34	394360.69	23.44	23.73
Chhattisgarh	5933.05	6875.65	25161.29	30476.74	23.58	22.56
Gujarat	13791.38	21511.19	106469.10	124100.79	12.95	17.33
Madhya Pradesh	26521.52	27688.95	65502.03	70422.49	40.49	39.32
Maharashtra	36253.20	37480.11	142088.05	155517.58	25.51	24.10
Daman & Diu	3.37	7.31	2482.36	9334.76	0.14	0.08
D & N Haveli	5.25	N.A.	6379.94	N.A.	0.08	N.A.
Goa	31.13	37.14	4013.58	4508.32	0.78	0.82
SOUTHERN	72091.59	67558.88	315097.80	328642.17	22.88	20.56
Andhra Pradesh	14114.03	9419.91	63268.65	62912.55	22.31	14.97
Telangana	22159.18	22183.58	62101.84	67828.38	35.68	32.71
Karnataka	21935.73	21284.08	61064.00	66356.51	35.92	32.08
Kerala	384.69	393.56	23931.48	24905.88	1.61	1.58
Tamil Nadu	13436.25	14219.07	101907.96	103678.81	13.18	13.71
Puducherry	61.71	58.68	2773.64	2908.30	2.22	2.02
Lakshadweep	0.00	0.00	50.25	51.74	0.00	0.00
EASTERN	3326.10	6190.18	130333.23	146543.75	2.55	4.22
Bihar	1140.86	3779.76	26064.23	30337.85	4.38	12.46
Jharkhand [§]	178.05	148.58	23138.83	26407.77	0.77	0.56
Odisha	781.42	644.34	29541.37	30449.41	2.65	2.12
West Bengal [§]	1224.59	1615.99	50880.90	58578.95	2.41	2.76
Sikkim	0.00	0.00	440.60	485.77	0.00	0.00
A & N Islands	1.18	1.51	267.30	284.00	0.44	0.53
NORTH EASTERN	100.76	134.69	13693.94	15485.37	0.74	0.87
Arunachal Pradesh	0.06	0.05	518.25	582.49	0.01	0.01
Assam	54.23	72.34	8521.11	10003.55	0.64	0.72
Manipur	7.19	5.87	731.70	845.41	0.98	0.69
Meghalaya	0.13	0.13	1506.67	1718.90	0.01	0.01
Mizoram	0.00	1.06	660.92	493.58	0.00	0.22
Nagaland	0.00	0.02	704.23	687.43	0.00	0.00
Tripura	39.15	55.21	1051.06	1154.02	3.72	4.78
All-India	228451.47	243852.25	1141484.97	1264102.81	20.01	19.29

Note : 1. N.A.: Not Available

Source : 1. *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In press) 2. Central Electricity Authority, New Delhi. (Website: <http://www.cea.nic.in>)
 3. §: Includes Damodar Valley Corporation (DVC) sales to ultimate consumptions in Jharkhand & West Bengal Area.

Table 1.15: Sector-wise electricity consumption in India(1 Giga Watt hour = 10⁶ Kilo Watt hour)

Year	Industry	Agriculture	Domestic	Commercial	Traction and Railways	Others	Total energy consumed
2007-08	189424 (37.74)	104182 (20.75)	120918 (24.09)	46685 (9.30)	11108 (2.21)	29660 (5.91)	501977 (100.00)
2008-09	209474 (37.81)	109610 (19.79)	131720 (23.78)	54189 (9.78)	11425 (2.06)	37577 (6.78)	553995 (100.00)
2009-10	236752 (38.64)	120209 (19.62)	146080 (23.85)	60600 (9.89)	12408 (2.03)	36595 (5.97)	612645 (100.00)
2010-11	272589 (39.25)	131967 (19.00)	169326 (24.39)	67289 (9.69)	14003 (2.02)	39218 (5.65)	694392 (100.00)
2011-12	352291 (44.87)	140960 (17.95)	171104 (21.79)	65381 (8.33)	14206 (1.81)	41252 (5.25)	785194 (100.00)
2012-13	365989 (44.40)	147462 (17.89)	183700 (22.29)	72794 (8.83)	14100 (1.71)	40256 (4.88)	824301 (100.00)
2013-14	384418 (43.97)	152744 (17.47)	199842 (22.86)	74247 (8.49)	15540 (1.78)	47418 (5.42)	874209 (100.00)
2014-15	418346 (44.11)	168913 (17.81)	217405 (22.92)	78391 (8.22)	16177 (1.71)	49289 (5.20)	948522 (100.00)
2015-16	423523 (42.30)	173185 (17.30)	238876 (23.86)	86037 (8.59)	16594 (1.66)	62976 (6.29)	1001191 (100.00)
2016-17	440206.00 (41.48)	191151.00 (18.01)	255826.00 (24.11)	89825.00 (8.46)	15683.00 (1.48)	68493.00 (6.45)	1061183.00 (100.00)
2017-18	468613.00 (41.71)	199247.00 (17.74)	273545.00 (24.35)	93755.00 (8.35)	17433.00 (1.55)	70834.00 (6.31)	1123427.00 (100.00)
2018-19	519196.00 (42.91)	213409.00 (17.64)	288243.00 (23.82)	98228.00 (8.12)	18837.00 (1.56)	72058.00 (5.96)	1209972.00 (100.00)
2019-20	532820.00 (42.69)	211295.00 (16.93)	308745.00 (24.74)	106047.00 (8.50)	19148.00 (1.53)	70031.00 (5.61)	1248086.00 (100.00)
2020-21	508776.00 (41.36)	221303.00 (17.99)	330809.00 (26.89)	86950.00 (7.07)	14668.00 (1.19)	67701.00 (5.50)	1230208.00 (100.00)
2021-22	556481.00 (42.26)	228451.00 (17.35)	339780.00 (25.80)	97121.00 (7.38)	21935.00 (1.67)	72996.00 (5.54)	1316765.00 (100.00)
2022-23	593895.00 (41.23)	243852.00 (16.93)	353156.00 (24.52)	117231.00 (8.14)	30028.00 (2.09)	102149.00 (7.09)	1440311.00 (100.00)
2023-24 (P)	645000.00 (41.80)	255000.00 (16.53)	375000.00 (24.30)	125000.00 (8.10)	33000.00 (2.14)	110000.00 (7.13)	1543000.00 (100.00)
Growth rate of 2023-24 over 2022-23(%)	8.61	4.57	6.19	6.63	9.90	7.69	7.13
CAGR 2014-15 to 2023-24 (%)	4.93	4.68	6.24	5.32	8.24	9.33	5.56

Note : 1. Figures in parentheses indicate percentage electricity consumption in different sectors, 2. CAGR: Compound annual growth rate.

Source : *Energy Statistics 2025*, Central Statistics Office, Ministry of Statistics and Programme Implementation, Govt. of India. (Website: <http://www.mospi.gov.in>)

Table 1.16: Percentage distribution of gross cropped area in India

Crop	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Rice	22.32	21.91	22.15	22.45	22.58	22.77	23.34	22.77	22.58
Jowar	3.14	3.08	2.79	2.45	2.09	2.32	2.02	1.80	1.66
Bajra	3.76	3.61	3.77	3.75	3.60	3.59	3.59	3.48	3.45
Maize	4.39	4.29	4.57	4.43	4.44	4.61	4.52	4.68	4.89
Ragi	0.60	0.57	0.51	0.61	0.48	0.51	0.56	0.57	0.54
Wheat	16.16	15.66	15.98	15.52	15.71	16.80	16.4	15.88	15.95
Barley	0.36	0.27	0.29	0.27	0.24	0.26	0.25	0.22	0.28
Other Cereals & Millets	0.36	0.40	0.35	0.30	0.28	0.24	0.20	0.22	0.23
Coarse Cereals	12.61	12.21	12.27	11.82	11.13	11.52	11.13	10.96	11.06
Total Cereals	51.09	49.78	50.40	49.78	49.41	51.09	50.88	49.61	49.59
Gram	3.86	3.76	4.03	4.78	4.49	4.38	4.26	4.75	4.46
Tur	1.73	1.77	2.35	1.92	2.17	2.00	2.09	2.18	1.79
Other Pulses	5.34	6.05	6.84	7.31	7.09	6.12	5.84	6.71	6.29
Total Pulses	10.93	11.58	13.22	14.01	13.75	12.49	12.19	13.64	12.55
Total Food-grains	62.02	61.36	63.62	63.80	63.15	63.58	63.07	63.26	62.14
Sugarcane	2.80	2.71	2.38	2.54	2.77	2.48	2.71	2.96	3.1
Condiments & Spices	1.79	1.93	1.93	1.80	1.96	1.97	2.03	1.98	2.1
Total Fruits	2.11	2.22	2.22	2.24	2.39	2.35	2.30	2.29	2.38
Potatoes	0.89	0.97	0.93	0.91	0.91	0.87	0.85	0.79	0.87
Onions	0.34	0.58	0.55	0.52	0.51	0.57	0.64	0.80	0.66
Total Vegetables	3.05	3.40	3.33	3.27	3.21	3.17	3.44	3.48	3.1
Groundnut	2.38	2.27	2.63	2.44	2.35	2.31	2.81	2.61	2.27
Sesamum	0.88	1.01	0.93	0.87	0.82	0.80	0.86	0.78	0.70
Rapeseed & Mustard	2.74	2.82	2.81	2.77	3.08	2.92	2.93	3.92	4.23
Linseed	0.11	0.09	0.11	0.08	0.07	0.06	0.05	0.07	0.09
Other Oil Seeds	7.99	8.12	7.78	7.11	7.33	7.81	7.65	7.28	7.84
Total Oil Seeds	14.10	14.32	14.26	13.27	13.65	13.88	14.31	14.65	15.13
Cotton	6.44	6.12	5.29	6.14	6.14	6.30	6.12	5.63	5.93
Jute	0.38	0.36	0.35	0.34	0.33	0.30	0.29	0.29	0.28
Mesta	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03
Total Fibres	6.88	6.54	5.71	6.55	6.52	6.64	6.46	5.97	6.26
Tobacco	0.21	0.24	0.21	0.21	0.20	0.19	0.17	0.18	0.17
Other Crops	7.04	7.29	6.35	6.32	6.15	5.72	5.51	5.24	5.62
Gross Cropped Area	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In press)

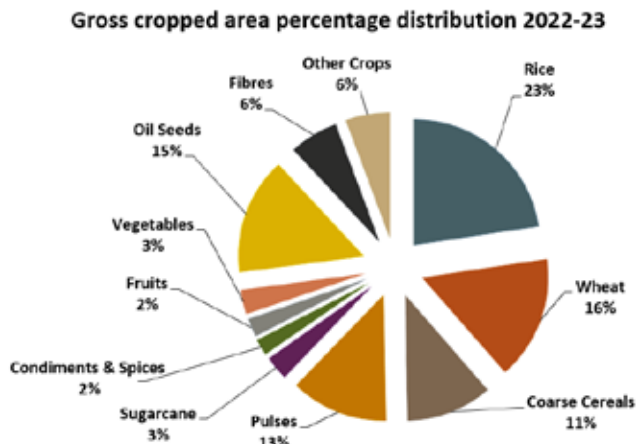


Table 1.17: Crop-wise irrigated area

(million ha)

Crops	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24*
Rice	26.61	26.20	27.07	27.72	28.60	31.26	33.63	33.72	34.14	34.62
	(60.2)	(60.4)	(60.7)	(61.5)	(63.0)	(65.0)	(66.7)	(67.6)	(68.9)	(69.5)
Wheat	30.26	29.29	30.40	29.53	30.18	34.01	33.90	33.17	33.43	33.41
	(94.4)	(94.4)	(94.6)	(94.7)	(95.5)	(95.8)	(95.6)	(95.3)	(95.5)	(95.5)
Total foodgrains	65.80	64.45	67.11	68.41	69.51	76.55	80.40	79.40	79.56	85.18
	(53.5)	(53)	(52.4)	(53.4)	(54.7)	(57)	(59.0)	(57.3)	(58.4)	(62.6)
Total pulses	4.34	4.47	5.07	6.56	6.51	6.10	7.30	7.47	6.62	9.11
	(20.1)	(19.5)	(19.1)	(23.3)	(23.6)	(23.1)	(27.7)	(25.0)	(24.0)	(34.9)
Fruits & Vegetables	6.65	7.51	7.52	7.60	7.87	8.33	8.69	9.40	9.37	8.88
	(65.1)	(67.5)	(67.5)	(68.5)	(69.8)	(71.4)	(70.0)	(74.4)	(77.9)	(70.6)
Total oil seeds	7.87	8.27	8.40	8.32	8.98	9.35	10.43	12.05	12.85	14.25
	(28.1)	(29.2)	(29.3)	(31.2)	(32.7)	(31.9)	(33.7)	(37.5)	(38.7)	(43.9)
Sugarcane	5.31	5.12	4.57	4.91	5.39	5.06	5.67	6.41	6.72	6.46
	(95.5)	(95.5)	(95.4)	(96.1)	(96.6)	(96.5)	(96.7)	(98.7)	(99.0)	(96.8)
Total gross irrigated area	97.85	97.75	99.62	101.47	104.71	112.44	118.93	120.38	122.29	130.55
	(49.4)	(49.3)	(49.5)	(50.5)	(52.0)	(53.2)	(55.0)	(54.9)	(55.7)	(59.9)

Note : 1. *: Provisional, 2. Figures in parentheses indicate percentage of the total area under the crop.

Source : *Land Use Statistics at a Glance 2023-24*, Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Govt. of India. (Website: <https://desagri.gov.in>)

Table 1.18: Source-wise irrigated area

(million ha)

Source	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24*
Govt. canals	16.11	15.34	16.65	16.74	17.45	18.38	18.44	19.05	17.96	17.26
	(23.5)	(22.6)	(24.0)	(23.9)	(24.1)	(24.4)	(23.7)	(24.5)	(22.19)	(20.94)
Private canals	0.17	0.16	0.16	0.17	0.17	0.16	0.16	0.16	0.16	0.16
	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	(0.20)	(0.19)
Tanks	1.88	1.87	1.79	1.81	1.75	2.01	2.19	2.21	2.23	3.14
	(2.7)	(2.8)	(2.6)	(2.6)	(2.4)	(2.7)	(2.8)	(2.8)	(2.81)	(3.81)
Tube wells	31.95	32.68	32.96	33.91	34.97	35.80	37.20	36.80	39.13	39.4
	(46.6)	(48.2)	(47.6)	(48.3)	(48.4)	(47.4)	(47.9)	(47.2)	(49.34)	(47.80)
Other wells	10.65	10.20	9.97	10.04	9.98	10.70	10.13	10.31	10.67	12.47
	(15.5)	(15.1)	(14.4)	(14.3)	(13.8)	(14.2)	(13.0)	(13.2)	(13.45)	(15.13)
Other sources	7.83	7.52	7.73	7.49	7.94	8.42	9.61	9.39	9.15	9.99
	(11.4)	(11.1)	(16.65)	(16.74)	(17.45)	(18.38)	(18.44)	(19.05)	(11.54)	(12.12)
Net irrigated area	68.58	67.77	69.27	70.16	72.24	75.47	77.73	77.92	79.31	82.42
	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)

Note : 1. *: Provisional, 2. Figures in parentheses indicate percentage of the net irrigated area.

Source : *Land Use Statistics at a Glance 2023-24*, Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Govt. of India. (Website: <https://desagri.gov.in>)

Table 1.19: State-wise net area irrigated by source during 2023-24*

(000' ha)

Zones/States/UTs	Canals			Tanks	Wells		Other sources	Total net irrigated area	
	Govt.	Private	Total		Tube wells	Others			
NORTH	4214	103	4371	10	15249	53	2059	21742	
Haryana	1237	N.A.	1237	N.A.	1988	N.A.	N.A.	3225	
Himachal Pradesh	3	N.A.	3	N.A.	25	2	78	110	
Jammu & Kashmir	106	102	262	10	8	7	22	311	
Punjab	927	N.A.	927	N.A.	3182	N.A.	N.A.	4109	
Uttar Pradesh	1874	N.A.	1874	N.A.	9797	43	1942	13656	
Uttarakhand	65	1	66	N.A.	228	N.A.	16	310	
Chandigarh**	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1	1	
Delhi	2	N.A.	2	N.A.	21	1	N.A.	25	
SOUTH	3575	1	3576	1152	6575	2310	849	14462	
Andhra Pradesh	1008	0	1008	255	1201	42	97	2603	
Karnataka	907	N.A.	907	76	2873	376	577	4809	
Kerala	78	N.A.	78	48	55	129	111	420	
Tamil Nadu	602	1	603	401	572	1304	5	2885	
Telangana*	975	N.A.	975	372	1863	459	59	3728	
A & N Islands**	N.A.	N.A.	N.A.	0	N.A.	0	0	0	
Puducherry	5	N.A.	5	N.A.	11	N.A.	0	16	
Lakshadweep	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
EAST	1806	39	1844	1061	4222	199	2273	9599	
Arunachal Pradesh	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	63	63	
Assam	149	10	159	7	115	39	149	469	
Bihar	1005	0	1005	87	2172	22	115	3401	
Jharkhand	3	N.A.	3	61	13	50	72	199	
Odisha	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1315	1315	
West Bengal**	553	N.A.	553	904	1913	87	300	3757	
Manipur	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	57	57	
Meghalaya	87	18	105	N.A.	N.A.	N.A.	N.A.	105	
Mizoram	2	11	12	N.A.	N.A.	N.A.	N.A.	12	
Nagaland	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	118	118	
Sikkim**	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	13	13	
Tripura	7	N.A.	7	2	9	1	71	90	
WEST	7609	N.A.	7609	912	13359	9906	4805	36591	
Chhattisgarh	833	N.A.	833	22	563	8	61	1487	
Gujarat	1853	N.A.	1853	278	1923	1792	428	6273	
Madhya Pradesh	2194	N.A.	2194	440	4918	2849	2346	12747	
Maharashtra**	500	N.A.	500	120	987	3155	1733	6496	
Rajasthan	2215	N.A.	2215	51	4968	2095	218	9547	
Goa	14	N.A.	14	1	N.A.	6	19	39	
Daman & Diu	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Dadra & Nagar Haveli	0	N.A.	0	0	0	1	0	2	
All India	2023-24*	17258	163	17420	3136	39405	12468	9987	82416
	2022-23	17959	165	18124	2235	39134	10672	9147	79312
	2021-22	19054	164	19218	2205	36797	10308	9387	77916

Note : 1. N.A.: Not available or no reporting of data from the States/UTs, 2. '0' means the area is less than 500 ha, 3. Totals may not tally due to rounding off figures.

Source : *Land Use Statistics at a Glance 2023-24*, Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Govt. of India. (Website: <http://desagri.gov.in>)

Table 1.20: All-India cultivated and irrigated area under food grains with land man ratio

Year	Gross area under food grains ('000 ha)		% Share of area under food grains to Gross area sown	% Share of irrigated area under food grains to Gross irrigated area	Land man ratio
	Cultivated	Irrigated			
1985-86	128756	40407	72.1	74.4	0.22
1990-91	127948	44866	68.9	71.0	0.20
1991-92	122520	45790	67.2	69.7	0.20
1992-93	125234	46855	67.4	70.2	0.19
1993-94	124782	48261	66.9	70.7	0.19
1994-95	125949	49894	67.0	70.6	0.19
1995-96	123463	49543	65.9	69.4	0.18
1996-97	125101	52175	66.0	68.6	0.16
1997-98	125716	52440	66.2	69.3	0.16
1998-99	126879	54957	66.2	69.9	0.17
1999-00	124719	55661	66.2	70.3	0.17
2000-01	122680	53609	66.2	70.4	0.17
2001-02	124222	54131	66.1	69.1	0.16
2002-03	115254	50043	66.3	68.5	0.16
2003-04	124971	53242	65.9	68.2	0.16
2004-05	122710	54715	64.2	67.5	0.16
2005-06	123610	56489	64.1	67.0	0.15
2006-07	124106	58550	64.5	67.5	0.15
2007-08	125859	59512	64.5	67.6	0.15
2008-09	124635	60415	63.8	68.0	0.15
2009-10	121467	58107	64.2	68.3	0.15
2010-11	127479	61385	64.3	68.7	0.14
2011-12	123485	61651	63.1	67.1	0.14
2012-13	120487	61968	62.0	66.8	0.14
2013-14	125272	65159	62.2	67.7	0.14
2014-15	122977	65802	62.0	67.3	0.14
2015-16	121567	64449	61.4	65.9	0.13
2016-17	127973	67114	63.6	67.4	0.13
2017-18	128154	68426	63.8	67.4	0.13
2018-19	127053	69512	63.2	66.4	0.13
2019-20	134390	76545	63.6	68.1	0.12
2020-21	136289	80402	63.1	67.6	0.12
2021-22*	138629	79397	63.3	66.0	0.12
2022-23*	136309	79575	62.1	65.1	0.12

Note : 1. *: Provisional, 2. Land man ratio = Arable land and land under permanent crops/population.

Source : *Fertiliser Statistics 2023-24*, The Fertiliser Association of India, New Delhi.

Table 1.21: All India cultivated and irrigated area—gross and net along with cropping intensity

(million ha)

Year	Area sown			Irrigated area			Intensity of gross irrigated area to gross sown area (%)	Cropping intensity (%)
	Gross	Net	More than once	Gross	Net	More than once		
1975-76	171.30	141.65	29.64	43.36	34.59	8.77	25.3	120.9
1980-81	172.63	140.29	32.34	49.78	38.72	11.06	28.8	123.3
1985-86	178.46	140.90	37.56	54.28	41.87	12.42	30.4	126.7
1990-91	185.74	143.00	42.74	63.20	48.02	15.18	34.0	129.9
1995-96	187.47	142.20	45.27	71.35	53.40	17.95	38.1	131.8
1996-97	189.50	142.93	46.57	76.03	55.11	20.91	40.1	132.6
1997-98	189.99	141.95	48.04	75.67	55.21	20.46	39.7	133.9
1998-99	191.65	142.75	48.90	78.67	57.44	21.23	41.0	134.3
1999-00	188.40	141.06	47.33	79.22	57.53	21.69	42.0	133.6
2000-01	185.34	141.34	44.01	76.19	55.21	20.98	41.1	131.1
2001-02	188.01	140.73	47.28	78.37	56.94	21.44	41.7	133.6
2002-03	173.89	131.94	41.95	73.06	53.90	19.16	42.0	131.8
2003-04	189.66	140.71	48.95	78.04	57.06	20.99	41.1	134.8
2004-05	191.10	140.64	50.46	81.08	59.23	21.85	42.4	135.9
2005-06	192.74	141.16	51.58	84.28	60.84	23.44	43.7	136.5
2006-07	192.38	139.82	52.56	86.75	62.75	24.01	45.1	137.6
2007-08	195.22	141.02	54.21	88.06	63.19	24.87	45.1	138.4
2008-09	195.33	141.90	53.43	88.90	63.64	25.26	45.5	137.7
2009-10	189.19	139.17	50.02	85.09	61.95	23.14	45.0	135.9
2010-11	198.37	141.56	56.75	89.31	63.87	25.45	45.1	140.1
2011-12	195.54	140.79	54.75	91.93	66.01	25.92	47.0	138.9
2012-13	194.46	139.75	54.71	92.78	66.59	26.19	47.7	139.1
2013-14	201.30	141.24	60.06	96.27	68.42	27.85	47.8	142.5
2014-15	198.29	139.45	58.84	97.85	68.58	29.26	49.3	142.2
2015-16	198.12	138.97	59.15	97.75	67.77	29.98	49.3	142.6
2016-17	201.19	139.00	62.16	99.62	69.27	30.35	49.5	144.7
2017-18	200.88	138.77	62.11	101.47	70.16	31.30	50.5	144.8
2018-19	201.18	138.44	62.74	104.71	72.24	32.47	52.0	145.3
2019-20	211.36	139.90	71.46	112.44	75.47	36.97	53.2	151.1
2020-21	216.12	141.54	74.56	118.93	77.73	41.21	55.0	152.7
2021-22*	219.16	141.01	78.15	120.38	77.92	42.46	54.9	155.4
2022-23*	219.36	140.71	78.65	122.29	79.31	42.98	55.8	155.9

Note : 1. *: Provisional, 2. Cropping intensity = Gross/Net sown area x 100.

Source : Fertiliser Statistics 2023-24, The Fertiliser Association of India, New Delhi.



Table 1.22: Distribution of land use, number and area of holdings in India by irrigation status and size classes for all social groups as per Agriculture Census 2015-16*

(Number: 000'; Area: 000' ha)

Sl. No.	Size Class (in ha.)	Total Holdings		Wholly Irrigated Holdings		Wholly Unirrigated Holdings		Partially Irrigated Holdings			Holdings Receiving Irrigation		Net Area Sown	Area Under Current Fallows	Net Area Cultivated	Uncultivated area
		No.	Area	No.	Area	No.	Area	No.	Total Area	Irrigated Area	No.	Net Irrigated Area				
1	Below 0.5	70469	16473	32732	7783	25670	5589	7833	1418	756	40565	8539	1075	86	1161	39
2	(0.5-1.0)	29783	21450	12434	8553	12748	8582	3493	2347	1277	15927	9830	1969	168	2138	75
	Marginal	100251	37923	45165	16336	38418	14170	11326	3765	2033	56492	18369	3045	254	3299	114
3	(1.0-2.0)	25809	36151	9161	12117	11837	15259	4055	5229	3036	13215	15153	3721	288	4009	192
	Small	25809	36151	9161	12117	11837	15259	4055	5229	3036	13215	15153	3721	288	4009	192
4	(2.0-3.0)	9828	23375	3344	7504	4408	9521	1809	3883	2230	5153	9735	2564	235	2799	172
5	(3.0-4.0)	4166	14245	1399	4514	1778	5457	878	2647	1548	2277	6062	1457	169	1625	156
	Semi-medium	13993	37619	4743	12018	6186	14978	2687	6530	3779	7430	15797	4021	403	4424	328
6	(4.0-5.0)	2366	10458	810	3413	956	3760	535	2068	1205	1345	4617	1069	145	1214	142
7	(5.0-7.5)	2352	14147	761	4359	947	5001	577	2997	1691	1338	6050	1319	210	1529	208
8	(7.5-10.0)	843	7206	264	2129	345	2520	213	1540	856	476	2985	654	118	773	119
	Medium	5561	31810	1835	9901	2247	11281	1324	6605	3751	3159	13652	3042	473	3515	469
9	(10.0-20.0)	693	9067	202	2508	299	3216	174	1881	965	376	3473	680	164	844	164
10	20 & above	145	5247	36	1327	71	1990	34	924	462	70	1790	310	62	372	54
	Large	838	14314	238	3836	370	5206	208	2804	1427	446	5263	990	226	1216	218
	All Classes	146454	157817	61142	54208	59059	60894	19600	24933	14026	80742	68234	14818	1645	16463	1322

Note : 1. Totals may not tally due to rounding off, 2. *: Provisional.

Source : *All India report on Agriculture Census 2015-16*, Agriculture Census Division, Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.

Table 1.23: Rural population and agricultural workers

(million)

Year	Total population	Average annual exponential growth rate (%)	Rural population	Total Workers	Agricultural Workers		
					Cultivators	Agricultural labourers	Total
1	2	3	4	5	6	7	8
1951	361.1	1.25	298.6 (82.7)	139.5	69.9 (71.9)	27.3 (28.1)	97.2 (69.7)
1961	439.2	1.96	360.3 (82.0)	188.7	99.6 (76.0)	31.5 (24.0)	131.1 (69.5)
1971	548.2	2.22	439.0 (80.1)	180.4	78.2 (62.2)	47.5 (37.8)	125.7 (69.7)
1981	683.3	2.20	523.9 (76.7)	244.6	92.5 (62.5)	55.5 (37.5)	148.0 (60.5)
1991	846.4	2.14	628.9 (74.3)	314.1	110.7 (59.7)	74.6 (40.3)	185.3 (59.0)
2001	1028.7	1.97	742.6 (72.2)	402.2	127.3 (54.4)	106.8 (45.6)	234.1 (58.2)
2011	1210.8	1.50	833.5 (68.9)	481.9	118.8 (45.1)	144.3 (54.9)	263.1 (54.6)

Note : 1. For 2001, figures include estimated figures for those of the three sub-divisions viz. Mao Maram, Paomata and Purul of Senapati district of Manipur as Census result of 2001, Census in these three sub-divisions were cancelled due to technical and administrative reasons, 2. The 1991 Census could not be held owing to disturbed conditions prevailing in Jammu & Kashmir. Hence the population figures for 1991 of Jammu & Kashmir have been worked out by 'interpolation'. The data on workers in columns 5-7 exclude Jammu & Kashmir, 3. The 1981 Census could not be held in Assam. The figures for 1981 for Assam have been worked out by 'interpolation'. The data on workers in columns 5-7 exclude Assam, 4. Figures in parentheses in column 4 represent percentages to the total population, 5. Figures within parentheses in column 6 and 7 are percentages to column 8, 6. Figures within parentheses in column 8 is percentage share of Agricultural Workers in Total Workers.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In press)

Table 1.24: Dynamics of agricultural workers in India

(million)

Item	1991	2001	2011
Total population	846.3	1028.7	1210.8
Total workers	313.7	402.2	481.7
Total no. of workers as % of population	37.1	39.1	39.8
No. of agricultural workers	210.5	234.0	263.0
% of agricultural workers to total workers	67.1	58.2	54.6
Male	136.6	142.8	165.4
Female	73.9	91.2	97.6
% of females in agricultural work force	35.1	39.0	37.1

Source : *Census of India 2011, Primary Census Abstract*, Registrar General of India, New Delhi.

Table 1.25: Forest cover in States/UTs in India in 2023

(sq km)

States/UTs	Geographic al area (G.A.)	Forest cover area				Percent of G.A.	Percent change wrt 2021
		Very dense forest	Moderate dense forest	Open forest	Total forest		
Andhra Pradesh	162968	1995.71	13725.75	14363.50	30084.96	18.46	-0.46
Arunachal Pradesh	83743	20985.32	29615.09	15281.16	65881.57	78.67	-0.14
Assam	78438	3189.71	9764.54	15359.30	28313.55	36.10	-0.04
Bihar	94163	387.00	3284.21	3861.24	7532.45	8.00	1.75
Chhattisgarh	135192	7416.57	31983.80	16411.38	55811.75	41.28	-0.03
Delhi	1483	6.47	53.55	135.26	195.28	13.17	-0.04
Goa	3702	555.46	589.43	1120.83	2265.72	61.20	-0.07
Gujarat	196244	419.71	4902.20	9694.73	15016.64	7.65	1.21
Haryana	44212	27.17	441.18	1145.91	1614.26	3.65	-0.86
Himachal Pradesh	55673	3117.60	7280.29	5182.46	15580.35	27.99	0.35
Jammu & Kashmir#	54634*	4208.79	8006.56	9131.04	21346.39	39.07	0.39
UT of Ladakh	168327*	2.27	509.07	1774.58	2285.92	1.36	0.32
Jharkhand	79716	2635.35	9640.99	11489.44	23765.78	29.81	0.25
Karnataka	191791	4537.79	21151.75	13564.73	39254.27	20.47	0.38
Kerala	38852	2041.17	9321.82	10696.37	22059.36	56.78	0.61
Madhya Pradesh	308252	7021.31	33508.64	36543.49	77073.44	25.00	-0.48
Maharashtra	307713	9865.62	21577.79	19415.12	50858.53	16.53	-0.11
Manipur	22327	904.05	6217.55	9463.86	16585.46	74.29	-0.33
Meghalaya	22429	594.84	9023.81	7348.19	16966.84	75.65	-0.18
Mizoram	21081	261.52	8635.76	9093.18	17990.46	85.34	1.36
Nagaland	16579	1256.38	4461.81	6504.28	12222.47	73.72	-0.42
Odisha	155707	7224.42	21065.55	24143.59	52433.56	33.67	0.29
Punjab	50362	9.44	784.89	1051.76	1846.09	3.67	-0.02
Rajasthan	342239	223.20	4237.41	12087.60	16548.21	4.84	-0.5
Sikkim	7096	1103.31	1555.89	699.20	3358.40	47.33	0.15
Tamil Nadu	130060	3586.19	11027.03	11837.00	26450.22	20.34	-0.23
Telangana	112122	1613.32	8909.90	10655.82	21179.04	18.89	-0.47
Tripura	10486	614.43	4929.99	2040.35	7584.77	72.33	-1.24
Uttar Pradesh	240928	2688.73	4001.41	8355.66	15045.80	6.24	0.79
Uttarakhand	53483	5266.58	12517.63	6519.62	24303.83	45.44	-0.09
West Bengal	88752	3037.10	4175.38	9619.85	16832.33	18.96	0.3
A & N Islands	8249	5702.87	653.20	376.85	6732.92	81.62	-0.06
Chandigarh	114	1.44	13.52	10.04	25.00	21.93	5.04
Dadra & Nagar Haveli and Daman & Diu	602	1.36	78.59	145.67	225.62	37.48	-0.14
Lakshadweep	30	0	16.97	10.09	27.06	91.33	0
Puducherry	490	0	10.33	33.98	44.31	9.04	0.36
Total	3287912	102502.2	307673.3	305167.1	715342.6	21.76	0.02

Note: 1. G.A.: Geographical Area, 2. #: Includes Jammu & Kashmir area outside LOC under illegal occupation of Pakistan and China.

3. * Area of digitized boundary provided by survey of India (Nov, 2023).

Source: India State of Forest Report 2023 VI, Forest Survey of India, Ministry of Environment & Forests, Govt. of India.

Table 1.26: Potential availability of agriculture-based biomass

(million t)										
Biomass	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25*
Rice husk	52.2	54.9	56.4	58.2	59.4	62.2	64.7	67.9	68.9	74.5
Wheat straw	122.7	131.0	132.8	137.8	143.5	145.8	143.3	147.0	150.7	156.3
Maize cobs	6.8	7.8	8.6	8.3	8.6	9.5	10.1	11.4	11.3	12.7
Pearl millet straw	13.4	16.2	15.3	14.4	17.2	18.0	16.2	19.0	17.8	18.0
Sugarcane bagasse	115.0	101.0	125.4	133.8	122.3	133.8	145.0	161.9	149.5	148.5
Groundnut shell	2.2	2.5	3.1	2.2	3.3	3.4	3.3	3.4	3.4	3.9
Cotton stalks	36.9	32.5	37.8	37.8	40.4	39.9	37.1	38.8	38.1	33.7
Jute sticks	2.3	2.3	2.2	2.1	2.0	2.0	2.0	2.0	1.9	1.7

Note : 1. *3rd Advance Estimates,

2. The conversion factors used are listed below:

Rice husk	=	yield of clean rice x 0.5
Wheat straw	=	grain yield x 1.33
Maize cobs	=	grain yield x 0.3
Straw from pearl millet	=	grain yield x 1.66
Bagasse	=	weight of cane x 0.33
One coconut	=	135 g shell, 164 g fibre, and 246 g pith
Groundnut shell	=	kernel yield x 0.33
Cotton stalks	=	3 tonnes / hectare
Jute sticks	=	3 tonnes / hectare

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In press).

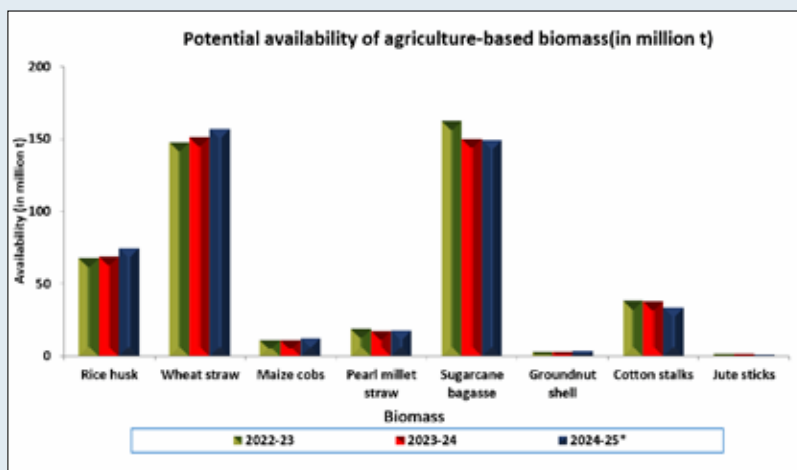


Table 1.27: State-wise potential availability of agriculture-based biomass during 2023-24

(million t)

States	Rice husk	Wheat straw	Maize cobs	Pearl millet straw	Sugarcane bagasse	Groundnut shell	Cotton stalks
Andhra Pradesh	3.67	N.A.	0.55	0.08	N.A.	0.11	1.26
Assam	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Bihar	3.95	9.54	1.71	N.A.	3.99	N.A.	N.A.
Chhattisgarh	4.85	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Gujarat	N.A.	5.01	N.A.	2.17	4.78	1.53	8.04
Haryana	N.A.	14.88	N.A.	1.93	2.43	N.A.	1.74
Himachal Pradesh	N.A.	1.05	N.A.	N.A.	N.A.	N.A.	N.A.
Jammu & Kashmir	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Jharkhand	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Karnataka	N.A.	N.A.	1.69	0.27	13.80	0.08	2.22
Madhya Pradesh	3.62	30.03	1.30	1.66	2.50	0.32	1.89
Maharashtra	N.A.	2.65	0.74	0.42	36.99	0.09	12.69
Odisha	4.24	N.A.	N.A.	N.A.	N.A.	N.A.	0.66
Punjab	7.18	23.59	N.A.	N.A.	2.48	N.A.	0.63
Rajasthan	N.A.	12.90	0.65	7.35	N.A.	0.67	3.00
Tamil Nadu	3.40	N.A.	0.85	0.20	5.26	0.29	N.A.
Telangana	8.44	N.A.	0.83	0.03	N.A.	0.08	5.46
Uttar Pradesh	8.00	47.00	0.88	3.64	71.22	0.05	N.A.
Uttarakhand	N.A.	1.16	N.A.	N.A.	2.57	N.A.	N.A.
West Bengal	7.85	N.A.	0.78	N.A.	N.A.	0.09	N.A.
All India	68.91	150.68	11.30	17.80	149.54	3.36	38.07

Note : 1. N.A.: Not available

2. The conversion factors used are listed below:

Rice husk	=	yield of clean rice x 0.5
Wheat straw	=	grain yield x 1.33
Maize cobs	=	grain yield x 0.3
Straw from pearl millet	=	grain yield x 1.66
Bagasse	=	weight of cane x 0.33
Groundnut shell	=	kernel yield x 0.33
Cotton stalks	=	3 tonnes / hectare

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In Print)

Table 1.28: Selected economic and social indicators

Indicator	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
MACRO-ECONOMIC INDICATORS											
Gross Domestic Product (GDP) ^a at current prices (₹ Crore)	12467959	13771874	15391669	17090042	18899668	20103593	19854096	23597399	26890473#	30122956\$	33103215&
Gross Domestic Product (GDP) ^a at constant prices (₹ Crore)	10527674	11369493	12308193	13144582	13992914	14534641	13694869	15021846	16164913#	17650591\$	18795095&
Per capita Income ^b (at constant prices ₹ Crore)	72805	77659	83003	87586	92133	94420	86034	94054	100163#	108786\$	114705&
Rate of Gross Capital Formation to GDP at current prices ^c (percentage)	33.5	32.1	32.0	33.9	33.8	30.4	28.2	32.4	32.6#	31.4\$	NA
Rate of Gross Domestic Savings to GDP at current prices ^c (percentage)	32.2	31.1	31.4	32.1	31.7	29.6	29.1	31.2	30.3\$	NA	NA
Index of agricultural production ^d	124.0	120.8	132.8	139.4	138.1	145.5	154.1	158.0	165.2	162.2	NA
Index of agricultural production (IIP) ^e	111.0	114.7	120.0	125.3	130.1	129.0	118.1	131.6	138.5	146.7	150.2**
Wholesale Price Index (WPI) ^e	113.9	109.7	111.6	114.9	119.8	121.8	123.4	139.4	153.0	151.0	NA
Index of Agricultural Production ^d	251.0	265.0	276.0	284.4	299.9	322.0	333.0	123.6	131.4	137.9	NA
OUTPUT											
(a) Food grains (million tonnes)	252.0	251.6	275.1	285.0	285.2	297.5	310.7	315.6	329.7	332.3	353.96&&
(c) Coal and lignite (million tonnes)	657.4	683.0	703.1	722.7	773.0	772.9	754	825.7	937.2	1040.7*	NA
(d) Crude oil (million tonnes)	37.5	36.9	36.0	35.7	34.2	32.2	30.5	29.69	29.18	29.36	NA
(e) Electricity generated (utilities only) (billion kWh)	1105.0	1167.6	1235.4	1303.3	1371.8	1383.44	1373.2	1484.5	1617.9	1734.4	NA
FOREIGN TRADE											
(i) Export	1896348	1716384	1849434	1956515	2307726	2219854	2159043	3147021	3621550	3618952	2375946^
US\$ million	310338	262291	275852	303526	330078	313361	291808	422004	451070	437072	283739^
₹ Crore	2737087	2490306	2577675	3001033	3594675	3360954	2915958	4572775	5749801	5616042	3957901^
(ii) Import	448033	381008	384357	465581	514078	474709	394436	613052	715969	678215	472538^
US\$ million	1985458	2219061	2244939	2597569	2665564	3,333.815	3924168	4094565	4189132	4761844	4754945
₹ Crore	317324	336104	346319	399442	385357	442,213	536693	540724	509691	570950	543350
Foreign exchange reserves ^g (excluding gold, SDRs and Reserve Tranche Position at IMF)											

Indicator		2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
SOCIAL INDICATORS												
Population (Million) ^h		1267.0	1283.0	1299.0	1314.0	1327.0	1341.0	1355.0	1369.0	1383.0	1395.0	1408.0
Birth rate	Per 1000	20.8 ⁱ	20.4 ⁱ	20.2 ⁱ	NA	19.5 ⁱ	NA	NA	NA	NA	NA	NA
Death rate	Per 1000	6.5 ⁱ	6.4 ⁱ	6.3 ⁱ	NA	6 ⁱ	NA	NA	NA	NA	NA	NA
Life Expectation at birth (In years)		69.4 ^k	69.4 ^k	69.4 ^k	69.4 ^k	NA	NA	NA	NA	NA	NA	NA
(a) Male	In years	68.2 ^k	68.2 ^k	68.2 ^k	68.2 ^k	NA	NA	NA	NA	NA	NA	NA
(b) Female	In years	70.2 ^k	70.2 ^k	70.2 ^k	70.2 ^k	NA	NA	NA	NA	NA	NA	NA

Note : #: Final Estimates, S: First Revised Estimates; & Second Advance Estimates (As on 28.02.2025); * Provisional; ^ April-Nov 2024; **: Calculated from April-December; &&: As per 3rd Advance Estimates; NA- Not Available

a: GDP estimates prior to 2011-12 are at factor cost based on 2004-05 series. Estimates from 2011-12 onwards are based on 2011-12 series
b: Per capita income prior to 2011-12 are based on constant (2004-05) prices and from 2011-12 onwards are based on constant (2011-12) prices

c: Figures upto 2010-11 are percentages of GDP at market prices (2004-05 series) and from 2011-12 onwards are percentage of GDP estimates based on 2011-12 series

d: Base year for data till 2000-01 is Triennium ending (T.E.) 1981-82 and for data from 2010-11 onwards is T.E. 2007-08

e: IIP and WPI from 2012-13 onwards are as per Base Year: 2011-12-100 and earlier data is based on old base years.

f: Figures from 2021-22 onwards are based on Base Year: 2016-100 and earlier data is based on old base years.

g: As on 28.02.2025

h: Relates to mid-financial year (as on October 1) based on estimated population figures of CSO

i: Estimates from Sample Registration System (SRS) Statistical Report, Office of RGI.

j: The figures for 1951 1961 and 1971 census relate to population aged 5 years and above and those for 1981, 1991, 2001 and 2011 to population aged 7 years and above.

k: Figures are for 2014-18 as given by RGI.

l: from April to December

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In press).

Table 1.29: State-wise number of water bodies by type of use in 2023

States/ Union Territories	Irrigation	Industrial	Pisciculture	Domestic/ Drinking	Recreation	Religious	Ground water recharge	Others	Total
Andhra Pradesh	37257	680	69510	1945	35	106	38460	1286	149279
Arunachal Pradesh	35	4	679	133	5	2	7	0	865
Assam	532	1279	152698	13459	64	93	5	1222	169352
Bihar	10488	506	8225	162	254	330	339	2690	22994
Chhattisgarh	3139	627	12042	8389	376	293	946	3164	28976
Goa	700	7	61	77	24	120	37	77	1103
Gujarat	26999	0	23669	149	152	20	2889	25	53903
Haryana	1	31	495	465	40	113	909	6740	8794
Himachal Pradesh	12751	116	395	55174	228	207	965	6035	75871
Jharkhand	68286	1076	12720	4000	395	391	5036	2630	94534
Karnataka	3495	70	476	320	4	21	548	940	5874
Kerala	20038	260	2663	10192	1295	3591	6199	2312	46550
Madhya Pradesh	18901	305	1231	4272	133	468	3807	8140	37257
Maharashtra	7976	37	29	12473	78	59	74097	1284	96033
Manipur	74	0	365	1120	19	11	0	12	1601
Meghalaya	2395	35	9142	795	33	10	105	105	12620
Mizoram	254	23	1361	385	15	1	2	22	2063
Nagaland	109	22	1166	59	8	3	6	8	1380
Odisha	25289	3609	110647	11899	3452	683	1018	5610	162207
Punjab	216	191	129	559	97	48	5008	1432	7680
Rajasthan	5766	322	187	2511	244	137	2406	1843	13416
Sikkim	3	2	61	20	16	15	0	4	121

Natural Resources

States/ Union Territories	Irrigation	Industrial	Pisciculture	Domestic/ Drinking	Recreation	Religious	Ground water recharge	Others	Total
Tamil Nadu	20324	751	4196	8022	1623	1129	10903	9812	56760
Telangana	30085	168	850	432	110	145	19165	777	51732
Tripura	0	0	36216	7	3	1	0	8	36235
Uttar Pradesh	9090	1733	76071	2199	7326	6300	70298	6569	179586
Uttarakhand	323	11	611	16	26	17	1267	101	2371
West Bengal	27626	11218	600612	59488	0	0	0	0	698944
Andaman & Nicobar Islands	2883	3	224	193	1	1	5	24	3334
Chandigarh	0	0	0	175	0	2	0	11	188
Delhi	0	0	0	0	2	4	66	165	237
Jammu & Kashmir	719	12	97	5986	19	56	129	475	7493
Puducherry	15	0	2	122	0	20	296	232	687
All India	335768	23098	1126830	205197	16094	14397	244918	63755	2030040

Note : N.A.: Not available

Source : All India report of first Census of Water bodies (Volume-2), Department of Water Resources, River Development and Ganga Rejuvenation, Govt. of India.
(<https://jalshakti-dowr.gov.in/>)

Table 1.30: State-wise distribution of water bodies by water spread area and storage in 2023

States/ Union Territories	Distribution of water bodies by water spread area (ha)						Distribution of Water Bodies by Storage (Cu. Mtrs)					
	< 0.5	0.5 - 1.0	1 - 5	5 - 10	10 -50	> 50	Total	0 -100	100-1000	1000- 10000	>10000	Total
Andhra Pradesh	41510	26026	49876	9270	8788	1751	137221	87879	10108	43977	48813	190777
Arunachal Pradesh	857	76	49	7	3	1	993	161	310	452	70	993
Assam	165440	5930	898	185	13	13	172479	3939	91470	73208	3875	172492
Bihar	24187	8964	11026	983	353	200	45713	11196	5610	16842	12145	45793
Chhattisgarh	11522	9363	11379	919	325	83	33591	1858	2577	12938	16627	34000
Goa	1234	134	73	5	5	9	1460	698	553	170	42	1463
Gujarat	361	15713	36923	817	186	57	54057	25716	34	8122	20197	54069
Haryana	10094	4133	624	30	0	0	14881	2712	2712	8357	1117	14898
Himachal Pradesh	84664	1464	1148	57	13	6	87352	83677	3340	803	197	88017
Jharkhand	73286	20997	11153	1282	415	194	107327	14805	18767	62068	11958	107598
Karnataka	11477	10845	1397	2536	394	168	26817	24403	900	683	1027	27013
Kerala	54052	1077	466	45	32	51	55723	18774	26426	9524	1010	55734
Madhya Pradesh	32375	15388	17551	2642	823	347	69126	40400	16910	18652	6681	82643
Maharashtra	16396	34226	34134	10329	1455	407	96947	92026	3885	281	870	97062
Manipur	1502	115	29	7	2	3	1658	34	485	971	168	1658
Meghalaya	12238	432	521	93	25	9	13318	4942	5220	3009	161	13332
Mizoram	1409	655	116	1	1	1	2183	619	527	759	280	2185
Nagaland	993	271	166	1	1	0	1432	141	438	610	243	1432
Odisha	140014	20801	16997	2056	428	236	180532	8868	35995	93706	43268	181837
Punjab	9814	4081	1940	146	8	8	15997	1592	1560	8813	4047	16012
Rajasthan	7893	2861	3938	1018	873	356	16939	3419	636	7294	5590	16939
Sikkim	121	4	5	2	2	0	134	42	63	19	10	134

States/ Union Territories	Distribution of water bodies by water spread area (ha)						Distribution of Water Bodies by Storage (Cu. Mtrs)					
	< 0.5	0.5 - 1.0	1 - 5	5 - 10	10 -50	> 50	Total	0 -100	100-1000	1000- 10000	>10000	Total
Tamil Nadu	74673	11577	12211	5971	1152	708	106292	58155	19544	20299	8959	106957
Telangana	32913	5838	14838	4362	4651	1166	63769	38884	3883	5654	15634	64055
Tripura	35573	454	194	16	6	0	36243	804	25191	10181	63	36239
Uttar Pradesh	171902	38717	14922	3379	403	31	229354	11689	44611	150587	38200	245087
Uttarakhand	2567	283	217	10	10	9	3096	742	766	1286	302	3096
West Bengal	660040	71617	15481	287	52	3	747480	875	31403	650192	65010	747480
Andaman & Nicobar Islands	3369	137	12	0	2	0	3520	144	1948	1430	6	3528
Chandigarh	183	2	2	0	0	1	188	2	123	53	10	188
Delhi	818	38	29	1	1		887	398	48	271	176	893
Jammu & Kashmir	9602	104	45	2	1	5	9759	7238	2202	305	20	9765
Puducherry	611	375	116	65	3	1	1171	163	57	767	184	1171
All India	1693690	312698	258476	46524	20426	5824	2337638	546995	358302	1212283	306960	242450

Source : *All India report of first Census of Water bodies (Volume-2)*, Department of Water Resources, River Development and Ganga Rejuvenation, Govt. of India.
(<https://jalshakti-dowr.gov.in/>)



भाग-II कृषि निविष्टि

SECTION-II Agricultural Inputs



Table 2.1: Crop-wise distribution of certified/quality seeds

(lakh q)

Year	Cereals	Pulses	Oilseeds	Fibers	Potato	Others	Total
1994-95	41.35	3.60	12.01	2.20	6.62	0.08	65.86
1995-96	44.03	3.58	12.64	2.58	6.85	0.24	69.92
1996-97	46.43	4.19	12.53	3.18	6.69	0.25	73.27
1997-98	51.78	3.89	12.87	3.21	6.83	0.21	78.79
1998-99	57.27	4.06	13.83	2.92	6.86	0.03	84.97
1999-00	61.14	3.87	12.98	2.93	6.89	0.17	87.98
2000-01	59.47	3.85	12.54	2.91	7.23	0.27	86.27
2001-02	65.56	4.69	12.10	2.89	6.33	0.23	91.80
2002-03	66.97	6.60	13.36	2.74	7.16	0.21	97.04
2003-04	70.82	8.17	19.39	2.78	7.01	0.23	108.40
2004-05	81.41	7.40	23.42	2.76	5.05	0.22	120.26
2005-06	86.73	7.37	24.35	2.89	5.08	0.33	126.75
2006-07	109.87	9.63	27.00	3.05	5.12	0.34	155.01
2007-08	123.80	12.57	34.33	2.63	5.35	0.37	179.05
2008-09	147.43	14.48	39.92	2.58	10.55	0.85	215.81
2009-10	165.15	19.69	50.71	2.65	18.68	0.23	257.11
2010-11	182.62	20.83	50.61	2.64	20.08	0.55	277.34
2011-12	189.96	22.26	61.49	3.09	16.68	1.64	294.85
2012-13	204.37	24.51	58.41	2.95	21.47	1.73	313.44
2013-14	183.03	27.80	61.09	2.87	24.63	1.97	301.39
2014-15	203.20	24.77	43.03	3.86	28.12	0.14	303.12
2015-16	194.95	22.71	47.44	2.49	33.88	2.57	304.04
2016-17	229.11	29.47	49.97	2.17	0.38	0.33	348.58
2017-18	238.00	23.54	57.23	2.46	30.57	0.20	352.01
2018-19	206.87	31.80	48.26	2.46	30.83	0.19	320.41
2019-20	229.98	34.16	53.09	3.21	62.87	0.40	383.72
2020-21	246.00	32.70	52.26	3.04	87.09	0.29	421.09
2021-22	234.89	34.74	53.28	2.20	104.79	0.40	430.31
2022-23	245.77	36.52	59.52	3.17	99.30	0.82	445.11
2023-24	257.75	40.11	59.63	3.13	81.13	0.88	442.64

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India. (In press)

Table 2.2: Commodity-wise indent and production of breeder seeds under AICRP-NSP (Crops) and ICAR Seed Project during 2020-21 to 2024-25

(q)

Crops	2020-21		2021-22		2022-23		2023-24		2024-25	
	Indent	Production	Indent	Production	Indent	Production	Indent	Production	Indent	Production
Cereals	40751.6	72485.2	39071.6	52828.6	30020.9	54561.6	29726.1	53967.3	36580.3	53616.6
Pulses	15448.3	17590.4	11700.6	13790.3	9595.1	15683.5	10476.0	14961.6	9448.8	16615.8
Oilseeds	24027.5	24638.4	25817.0	33936.3	25760.4	31717.7	21173.3	36276.9	22416.0	37376.9
Fibre crops	14.8	32.6	54.0	111.0	96.7	131.8	53.4	150.6	50.8	150.7
Forage crops	696.5	770.2	616.9	951.3	618.3	692.2	675.8	1041.2	1354.8	1610.2
Total	80938.5	115516.7	77260.1	101617.5	66091.3	102786.8	62104.7	106397.6	69850.8	109370.2

Source : ICAR-Indian Institute of Seed Science, Kushmaur, Mau, Uttar Pradesh.

Table 2.3: List of field crop varieties/hybrids released and notified in 2024

Crop	Variety	Developed by	Recommended Zone	Salient features
Rice	Karjat 10 (IET – 23649)	RARS, Karjat, Raigad, Dr. Balasaheb Savant Konkan Krishi, Vidyapeeth, Dapoli	Maharashtra	Suitable for timely sown rainfed / irrigated condition in transplanted conditions during <i>Kharif</i> season, yield 50 -52 q/ha, maturity late (140-145 days), moderately resistant to bacterial leaf blight, blast, stem borer
	HKR -49 (HKR 16-1-IR14L521 (IET 27866)	Rice Research Station, Kaul (Kaithal), CCSHAU, Hisar, Haryana	Odisha & Bihar (Zone III) and Maharashtra & Gujarat (Zone VI)	Suitable for irrigated early transplanted conditions and fits for multiple cropping system, yield 57.56 q/ha, maturity early (118 days), low grain shattering, resistance to false smut, moderately resistant to brown spot and leaf blast.
	Chhattisgarh Bhavya Dhan (IET 29523)	Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh	Jharkhand, Assam, Tripura, Chhattisgarh, Maharashtra, Gujarat, Karnataka	Suitable for both rainfed and irrigated medium duration ecology, yield 55 q/ha, maturity 123-133 days, moderately resistant to leaf blast, gall midge.
	Telangana Rice- 1355 (WGL 1355) IET 29188	Regional Agricultural Research Station, Warangal - Telangana	Odisha, West Bengal, Bihar, Telangana and Kerala	Suitable for irrigated mid-early duration ecology, yield 64 q/ha, maturity 125-130 days
	Telangana Rice- 34560 (JGL 34560) IET 29833	Regional Agricultural Research Station, Jagtial - Telangana	Telangana and Karnataka	Suitable for irrigated medium duration ecology, yield 66 q/ha, maturity 135 days, moderately resistant to leaf blast, neck blast
	Telangana Rice – 35085 (JGL 35085) IET 29142	Regional Agricultural Research Station, Jagtial - Telangana	Bihar and West Bengal (Zone III)	Suitable for irrigated early transplanted ecology, yield 55 q/ha, maturity 120-125 days, moderately resistant to leaf blast, neck blast
	ICAR NEH NICRA Aerobic Dhan 2 (IET 29409)	ICAR Research Complex for NEH Region, Tripura Centre, Lambucherra, Tripura	Bihar and Haryana	Suitable for aerobic cultivation with mid early duration, yield 41 q/ha, maturity 135 days, moderately resistant to leaf blast, neck blast, sheath rot.
	DRRH6 (IET 28123) HIRRH-130	ICAR - Indian Institute of Rice Research, Rajendranagar, Hyderabad	Odisha, Bihar, Uttar Pradesh, Gujarat and Maharashtra	Suitable for irrigated transplanted early sown conditions, yield 58.5 q/ha, maturity early (120 days), moderately resistant to neck blast, leaf blast, bacterial leaf blight, sheath blight, false smut, brown spot, RTD, resistant to stem borer and leaf folder.

Crop	Variety	Developed by	Recommended Zone	Salient features
Rice	Swarna Purvi Dhan 4 IET 29405 (RCPR 70-IR84899-B-184-16-1-1-1)	ICAR Research Complex for Eastern Region, Patna	Haryana, Bihar, Jharkhand, Gujarat	Suitable for direct seeded aerobic condition in water limiting areas during Kharif, yield 42.96 q/ha, maturity early (115-120 days), resistant to shattering, fertilizer responsive, tolerant to multi-stages drought, resistant to neck blast, moderately resistant to leaf blast, brown spot, sheath blight, sheath rot, tolerant to major pests like stem borer (white ears head), whorl maggot, caseworm, gall midge (biotype 4M) and leaf folder.
	Swarna Purvi Dhan 5 IET 29036 (RCPR 68-IR83929-B-B-291-2-1-1-2)	ICAR Research Complex for Eastern Region, Patna	Bihar, West Bengal, Jharkhand	Suitable for direct seeded aerobic condition in drought prone rainfed as well as water limiting areas during <i>Kharif</i> , yield (normal condition – 43.69 q/ha, under moderate drought condition – 29.02 q/ha), maturity early (110-115 days), contains high amount of Zinc (25.5 ppm) and Iron (13.1 ppm), resistant to neck blast and stem rot and moderate resistant to leaf blast, brown spot, and sheath rot, tolerant to major pests like stem borer (dead heart & white ears head), gall midge, leaf folder, gall midge, rice thrip
	CR Dhan 108 (IET29052)	ICAR-National Rice Research Institute, Cuttack	Odisha, Bihar	Suitable for early direct seeded rainfed condition, yield 34.46 q/ha, maturity 110-114 days, moderately resistance to leaf blast, neck blast, sheath blight, plant hopper, moderately tolerant to drought.
	CR DHAN 332 (IET 28506)	ICAR NRRI, Cuttack	Odisha, West Bengal, Assam	Suitable for irrigated mid-early condition, yield 57.58 q/ha, maturity 125-130 days, moderately resistant to brown spot and sheath rot, moderately resistant to leaf folder, whorl maggot, thrips
	CR Dhan 337 (IET 29939)	ICAR-National Rice Research Institute, Cuttack	Odisha, Bihar, Jharkhand, West Bengal	Suitable for irrigated early situation, yield 59 q/ha, maturity 118-121 days, moderately resistance to neck blast, leaf blast, BLB, sheath rot, RTD and grain discoloration, highly tolerant to leaf folder, stem borer (dead heart) and whorl maggot
	CR Dhan 416 (IET 30201)	ICAR-National Rice Research Institute, Cuttack	West Bengal, Maharashtra & Gujarat	Suitable for coastal saline areas, yield 48.97 q/ha, maturity 125-130 days, moderately resistance to brown spot, neck blast, sheath rot, rice tungro disease, glume discoloration, resistant to brown plant hopper, grasshopper and stem borer.
	CR Dhan 809 (IET 30282)	ICAR-National Rice Research Institute, Cuttack	Odisha, Tripura, West Bengal, Bihar, Jharkhand and Assam.	Suitable for irrigated mid-early situation, yield 52.9 q/ha, maturity 125-130 days, moderately resistant to blast, false smut and glume discoloration, resistant to brown plant hopper

Crop	Variety	Developed by	Recommended Zone	Salient features
Rice	CR DHAN 810 (IET 30409)	ICAR- National Rice Research Institute, Cuttack	Odisha, West Bengal, Assam	Suitable for rainfed shallow low land, yield 42.38 q/ha, maturity 150 days, submergence tolerance for 14 days at early stage, moderately resistant to brown spot disease, moderately resistant to leaf folder and stem borer (dead heart).
	DRR Dhan 68 (BRRI Dhan 99)	ICAR-Indian Institute of Rice Research, Hyderabad (Telangana)	Assam, West Bengal and Tripura	Suitable for Boro, clay loam to loam and irrigated ecosystem, yield 63.6 q/ha, maturity 145-157 days, moderately resistant to bacterial leaf blight
	DRR Dhan 69 (BRRI Dhan 100)	ICAR-Indian Institute of Rice Research, Hyderabad (Telangana)	Assam, West Bengal and Tripura	Suitable for Boro, clay loam to loam and irrigated ecosystem, maturity 148 days, a high zinc (25.7 mg/kg) variety, moderately resistant to bacterial leaf blight and sheath blight, the incidence of diseases and pests in BRRI Dhan 100 is relatively low
	Sabour Heera Dhan (IET-27538) (BRR 211)	Botanical Research Unit, Dhangain Bikramganj, Veer Kunwar Singh College of Agriculture, Dumraon Bihar Agricultural University, Sabour India 802136.	Karnataka and Andhra Pradesh	Suitable for rainfed shallow lowland ecosystem, maturity 145-150 days, moderately resistant against gloom discoloration, brown spot, blast, bacterial leaf blight and sheath blight
	DRRH-4 (IET 27937)	ICAR-Indian Institute of Rice Research, Hyderabad (Telangana)	Punjab, Odisha, Chhattisgarh, Tripura and Gujarat	Suitable for rice growing regions with direct seeded aerobic conditions, yield 50.3 q/ha, maturity 113-120 days, responsive to higher doses of nitrogen, moderately resistance to leaf blast, neck blast, gall midge, rice stem borer, whorl maggot
	Pusa Basmati 1882 (IET 28788)	ICAR-Indian Agricultural Research Institute, New Delhi	Western Uttar Pradesh, Delhi, Uttarakhnad, Haryana, Punjab, Jammu and Kashmir	Suitable for irrigated/limited irrigated <i>Kharif</i> ecosystems with high fertility conditions, maturity 134 days, MAS variety having drought tolerant qDTY1.1 QTL, tolerant to drought stress
	Pusa Samba 1853 (IET 28014)	ICAR-Indian Agricultural Research Institute, New Delhi	Andhra Pradesh and Telangana	Suitable for irrigated kharif, high fertility conditions, maturity 140-145 days, MAS derived basmati rice variety with bacterial leaf blight resistant (Xa21+xa13) genes and blast resistant (Pi54+Pi1+Pi1a) genes have been introgressed
	Swarna Purvi Dhan 3 (IET 28329)	ICAR Research Complex for Eastern Region, Patna (Bihar)	Haryana, Rajasthan, Bihar, Uttar Pradesh, Chhattisgarh and Maharashtra	Suitable for direct seeded aerobic, irrigated <i>Kharif</i> , maturity 115-120 days, tolerant to severe multi-stages drought stress, moderate resistant to BLBs, leaf blast, neck blast, sheath blight, brown spot, false smut, sheath rot and glume discoloration diseases and BPH, stem borer, leaf folder and biotype insect pest, high head rice recovery (64.7%)

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Rice	MTU Rice 1273	Regional Agricultural Research Station, Maruteru; Acharya N.G. Ranga Agricultural University, Guntur (Andhra Pradesh)	Chhattisgarh, Maharashtra and Gujarat	Suitable for irrigated wetlands, yield 53.1 q/ha, maturity 117-120 days, moderately resistant to leaf blast and rice brown spot disease
	MTU Rice 1293	Regional Agricultural Research Station, Maruteru; Acharya N.G. Ranga Agricultural University, Guntur (Andhra Pradesh)	Andhra Pradesh and Telangana	Suitable for coastal saline lands, yield 59.4 q/ha, maturity 117-120 days, tolerant to salinity, moderately resistant to leaf blast, sheath rot, rice tungro virus and brown spot diseases, translucent kernels with high head rice recovery (66%)
	MTU Rice 1310	Regional Agricultural Research Station, Maruteru; Acharya N.G. Ranga Agricultural University, Guntur (Andhra Pradesh)	Andhra Pradesh, Telangana, Tamil Nadu and Karnataka	Suitable for irrigated wetlands, maturity 135-140 days, moderately resistant to neck blast, rice tungro disease, stem borer, leaf folder and leaf blast, translucent kernels with head rice recovery of 55%
	MTU Rice 1321	Regional Agricultural Research Station, Maruteru; Acharya N.G. Ranga Agricultural University, Guntur (Andhra Pradesh)	Telangana, Tamil Nadu, Karnataka and Puducherry	Suitable for irrigated wetlands, maturity 135-140 days, moderately resistant to leaf blast, neck blast, sheath blight, sheath rot and rice tungro disease
	Uttar Samir (PUR-B-36) (IET 26453)	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar (West Bengal)	West Bengal	Suitable for irrigated medium land or upland during Boro season, maturity 145-150 days, resistant to panicle blast, leaf blast, sheath rot, bacterial leaf blight, rice tungro disease and sheath blight
	Uttar Sugandhi (UBKXRA-2 (IET 24616)	Uttar Banga Krishi Vishwavidyalaya, Cooch Behar (West Bengal)	West Bengal	Suitable for rainfed, low land and medium land situations, yield 40.4 q/ha, maturity 150 days, tolerant to terminal drought, resistant to PB, SR, BLB, RTD and SB diseases
	Gujarat Rice -20 (Navsari Kamod) [IET-27797]	Navsari Agricultural University Navsari (Gujarat)	Gujarat	Suitable for transplanted irrigated areas of Gujarat, maturity 120-125 days, moderately resistant to bacterial leaf blight, grain discoloration and sheath rot, tolerant to brown plant hopper, stem borer, leaf folder and sheath mite, strong aroma with short slender grain
	Gujarat Rice 21 (GR: Vatrak)	Main Rice Research Station, Nawagam; Anand Agricultural University, Anand (Gujarat)	Gujarat	Suitable for transplanted irrigated areas, maturity 120-130 days, moderately resistant to white backed plant hopper, yellow stem borer, leaf folder and bacterial leaf blight, leaf blast, neck blast, sheath rot and grain discoloration, good milling and cooking quality, unpolished rice contains higher Zn and Fe

Crop	Variety	Developed by	Recommended Zone	Salient features
Rice	Gujarat Anand Rice 22 (GAR: Swagat)	Main Rice Research Station, Nawagam; Anand Agricultural University, Anand (Gujarat)	Gujarat	Suitable for transplanted irrigated areas of middle Gujarat, maturity 125-135 days, moderately resistant to white backed plant hopper, yellow stem borer and resistant to leaf blast, neck blast, bacterial blight, sheath rot, grain discoloration, good milling and cooking quality, kernel length after cooking 10.9 mm
	Haccha (Aaudpu Dhan 04)	Regional Agricultural Research Station, Diphu; Assam Agricultural University, Jorhat (Assam)	Assam	Suitable for upland rainfed <i>ahlu</i> (autumn) season, yield 30.7 q/ha, maturity 97-103 days, moderately resistant to leaf blast, neck blast, brown spot, sheath rot, stem borer, leaf folder, plant hopper
	Langpi (AAUDPU Dhan 05)	Regional Agricultural Research Station, Diphu; Assam Agricultural University, Jorhat (Assam)	Assam	Suitable for medium-low land, yield 53.3 q/ha, maturity 140-145 days, rich in organic matter under rainfed situation, sali (winter) variety, resistant to sheath blight and blast, moderately resistant to gundhi bug, stem borer and leaf folder under organic condition
	Diyung (AAUDPU Dhan 06)	Regional Agricultural Research Station, Diphu; Assam Agricultural University, Jorhat (Assam)	Assam	Suitable for medium-low land rich in organic matter under rainfed sali (winter) situation, maturity 140-145 days, moderately resistant to stem borer, gundhi bug and leaf folder
	AAU-TTB- Dhan-40 (Dholi)	Regional Agricultural Research Station, Titabar Assam Agricultural University, Jorhat (Assam) and National Institute for Plant Biotechnology, New Delhi	Assam	Suitable for rainfed condition, yield 47.2q/ha, maturity 130-135 days, submergence tolerance up to 12 days, tolerant to stem borer
	AAU-KMI- Dhan-46 (Surma Dhan)	Assam Agricultural University, Jorhat (Assam)	Assam	Suitable for rainfed low land condition, yield 45.4q/ha, maturity 145 days, possesses fair degree of submergence tolerance, highly resistant to false smut, neck blast, BLB and resistant to brown spot
	CR Dhan 415 (Kamesh) IET 22097	Central Rainfed Upland Rice Research Station (ICAR-NRRI) Hazaribag (Jharkhand)	Jharkhand	Suitable for rainfed drought prone shallow lowlands of Jharkhand, maturity 120-125 days, tolerant to drought, resistant to blast, moderately resistant to brown spot
	CR Dhan 103 (Pramod) IET 22020	Central Rainfed Upland Rice Research Station (ICAR-National Rice Research Institute) Hazaribag (Jharkhand)	Jharkhand	Suitable for direct seeded rainfed uplands in Jharkhand, maturity 95-100 days, tolerant to drought, resistant to blast, moderately resistant to brown spot
	CR Dhan 107 (Unnat Vandana) IET 26337	Central Rainfed Upland Rice Research Station (ICAR-NRRI) Hazaribag (Jharkhand)	Jharkhand	Suitable for drought-prone rainfed direct seeded areas of Jharkhand, yield 39.8 q/ha, maturity 90-95 days, drought tolerant, moderately resistant to brown spot, resistant to blast, tolerant to P- deficiency

Crop	Variety	Developed by	Recommended Zone	Salient features
Rice	VL Dhan 70	ICAR- Vivekananda Parvatiya Krishi Anusandhan Sanshan Almora (Uttarakhand)	Uttarakhand	Suitable for irrigated transplanted organic conditions of hills and valleys, maturity 125-130 days, resistant to leaf and neck blast, brown leaf spot, and grain discoloration, extra long slender kernel (length 7.60mm)
	RC Manipou 15 (RCM 36, IET 26583)	ICAR Research Complex for NEH Region Manipur Centre, Imphal (Manipur)	Manipur	Suitable for valley and terraced hill conditions, maturity 126 -132days, resistant to leaf and neck blast and tolerant to false smut
	RC Manipou 16 (RCM 37, IET 27495)	ICAR Research Complex for NEH Region Manipur Centre, Imphal (Manipur)	Manipur	Suitable for valley and terraced hill conditions, maturity 125-130 days, tolerant to leaf and neck blast
	RC Manipou 14 (RCM 33, IET 25841)	ICAR Research Complex for NEH Region Manipur Centre, Imphal (Manipur)	Manipur	Suitable for rainfed valley, foothills and terraces with transplanted rice cultivated areas, maturity 125-135 days, resistant to leaf blast, neck blast, brown spot and tolerant to sheath blight
	GNR-9 (Lalkada Gold)	Regional Rice Research Station, Vyara; Navsari Agricultural University (Gujarat)	Gujarat	Suitable for <i>Kharif</i> season irrigated transplanted condition, maturity 110-115 days, can be grown in summer season also, high protein red rice variety (8.44% protein in polished rice), resistant to leaf blast
	BMR-MS-1-2-1	Keladi Shivappa Nayaka University of Agricultural And Horticultural Sciences, Shivamogga (Karnataka)	Karnataka	Suitable for <i>Kharif</i> season midland situation of coastal zone, maturity 130-135 days, red rice, dwarf variety, tolerant to gall midge, leaf and neck blast, false smut, gall midge, stem borer, gundhi bug
	Sahyadri Kempumukthi (IET-29855)	Keladi Shivappa Nayaka University Of Agricultural And Horticultural Sciences, Shivamogga (Karnataka)	Karnataka	Suitable for southern transitional zone (command areas, viz. zone-7) and upland hill zone (zone-9) of Karnataka, yield 70-75q/ha (zone-7) and 40-45q/ha (zone-9), maturity 125-130 days, resistant to blast and udbatta diseases and tolerant to leaf folder, stem borer and corid bug
	SKUA-494 (Shalimar Sugandh 1)	Mountain Research Centre for Field Crops, Khudwani Anantnag; Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir	Kashmir valley	Suitable for irrigated low land (plains basins of the valley) but not in water submerged areas, maturity 130-135 days, temperate basmati, tolerance to blast and other diseases
	CO 55 (CB 15714) 4 (IET 27873)	Tamil Nadu Agricultural University, Coimbatore (Tamil Nadu)	Tamil Nadu	Suitable for irrigated transplanted and direct seeded conditions, yield 60.6q/ha, maturity 110 – 115 days, moderately resistant to RTD, semi-dwarf super fine, short, slender rice variety with good cooking traits and high HRR (65.0 %)

Crop	Variety	Developed by	Recommended Zone	Salient features
Rice	Rice ADT 57 [AD 09219] (IET 25569)	Tamil Nadu Rice Research Institute, Aduthurai; Tamil Nadu Agricultural University, Coimbatore (Tamil Nadu)	Tamil Nadu	Suitable for irrigated transplanted and direct seeded conditions, maturity 115 days, resistant to blast, moderately resistant to sheath blight, brown spot, BPH, RTD, stem borer and leaf folder, medium slender rice with high HRR (60.6%)
	TRY 5 [TR 09030] (IET 26068)	Anbil Dharmalingam Agricultural College and Research Institute, Tiruchy; Tamil Nadu Agricultural University, Coimbatore (Tamil Nadu)	Tamil Nadu	Suitable for soils with problems of salinity, maturity 105-110 days, tolerant to salinity, moderately resistant to blast, brown spot, BPH, WBPH and GLH, long slender white rice with high milling (68 %) and head rice recovery (57 %)
	TKM 15 [TM 12077] (IET 26645)	Rice Research Station, Tirurkuppam Tirur; Tamil Nadu Agricultural University, Coimbatore (Tamil Nadu)	Tamil Nadu	Suitable for <i>Kharif</i> dry and semi-dry cultivation, maturity 118-120 days, drought tolerant, moderately resistant to stem borer, leaf folder and gall midge, blast, sheath rot, sheath blight, brown spot and RTD, higher proline content (2.15 mg/g), chlorophyll stability index (80.23 %) and total chlorophyll content (1.51 mg/g) under water stress
	Punjab Basmati 7	Punjab Agricultural University, Ludhiana (Punjab)	Punjab	Suitable for low land irrigated basmati rice ecosystem, maturity 101 days after transplanting, resistant to all the ten pathotypes of bacterial blight prevalent in the Punjab state
	Pant Sugandh Dhan 27	G.B. Pant University of Agricultural and Technology Pantnagar (Uttarakhand)	Uttarakhand	Suitable for aromatic, long slender grain type
	NPH-242	Nirmal Seeds Pvt. Ltd., Dist. Jalgaon (Maharashtra)	Assam	Suitable for long slender grain type
	Swarna Shusk Dhan (RCPR 56-IR93827-29-1-1-4) (IET 27962)	ICAR- Research Complex for Eastern Region, Patna (Bihar)	Uttar Pradesh	Suitable for aerobic, long slender grain type with moderate resistance to leaf and neck blast
	Swarna Purvi Dhan 1 (RCPR 19-IR 84899-B-179-13-1-1-1) (IET 24660)	ICAR- Research Complex for Eastern Region, Patna (Bihar)	Jharkhand	Suitable for aerobic, short bold grain type with moderate resistance to leaf blast
	Swarna Purvi Dhan 2 (RCPR 46-IR93827-29-1-1-2) (IET 26767)	ICAR- Research Complex for Eastern Region, Patna (Bihar)	Jharkhand	Suitable for early irrigated ecology with long slender grains, moderate resistance to leaf and neck blast

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Rice	MCM Rice 103 (IET 23407)	Agricultural Research Station, (ANGRAU) Machilipatnam (Andhra Pradesh)	Andhra Pradesh	Suitable for salt affected areas of Andhra Pradesh with medium slender grain type, moderate resistance to leaf and neck blast
	MTU Rice 1232 (IET 26422)	Regional Agricultural Research Station, (ANGRAU) Maruteru, Distt. West Godavari (Andhra Pradesh)	Andhra Pradesh	Suitable for flood prone areas of Andhra Pradesh with medium slender grains, tolerance to leaf blast
	MTU Rice 1318 (IET 28527)	Regional Agricultural Research Station, (ANGRAU) Maruteru, Distt. West Godavari (Andhra Pradesh)	Andhra Pradesh	Suitable for irrigated late ecology with medium slender grain type, non-lodging, tolerance to leaf and neck blast
	Jagtiala Vari-2 (JGL 28545 (IET 27448)	Regional Agricultural Research Station, Professor Jayashankar Telangana State Agricultural University, Polasa, Jagtial (Telangana)	Telangana	Suitable for irrigate mid ecology and medium slender grain type. It has tolerance to sheath rot
	Jagtiala Vari-3 (JGL 27356 (IET 30064)	Regional Agricultural Research Station, Professor Jayashankar Telangana State Agricultural University Polasa, Jagtial, (Telangana)	Telangana	Suitable for short slender grain type wit medium duration. It has tolerance to neck blast and sheath rot
	Rajendranagar Vari-3 (RNR 15459 (IET 28567)	Rice Research Centre Professor Jayashankar Telangana State Agricultural University, Hyderabad (Telangana)	Telangana	Suitable for aromatic short grain with medium duration and short bold grains.
	Rajendranagar Vari-4 (RNR 21278 (IET 27107)	Rice Research Centre, Professor Jayashankar Telangana State Agricultural University ARI, Rajendranagar, Hyderabad (Telangana)	Telangana	Suitable for medium slender grain type with early duration
	Rajendranagar Vari-5 (RNR 29325 (IET 29789)	Rice Research Centre, Professor Jayashankar Telangana State Agricultural University ARI, Rajendranagar, Hyderabad	Telangana	Suitable for long slender grain type and moderate resistance to BPH and leaf blast.

Crop	Variety	Developed by	Recommended Zone	Salient features
Rice	Luchai Selection 1 (Luchai (IET 27015))	Regional Agricultural Research Station, College of Agriculture, Waraseoni, Balaghat (Madhya Pradesh)	Madhya Pradesh	Suitable for aromatic short grain, late duration variety with medium slender grain type
	Kali Kamod Selection 1 (Kali Kamod (IET 27029))	Regional Agricultural Research Station, College of Agriculture, Waraseoni, Balaghat (Madhya Pradesh)	Madhya Pradesh	Suitable for aromatic short grain, late duration variety with medium slender grain type
	PR 130 (RYT 3797)	Department of Plant Breeding & Genetics, Punjab Agricultural University, Ludhiana (Punjab)	Jammu and Kashmir	Suitable for blast resistance, MAS derivative in the background of Mushk Budji with introgression of <i>Pi54+Pi1+Pi1a</i>
	PDKV SADHANA (SKL-3-1-41-8-33-15)	Agriculture Research Station, Sakoli Distt. Bandara (Maharashtra)	Punjab	Suitable for long slender grain type with resistance to bacterial blight
	PAC 837 Plus	UPL Limited (Formerly Advanta Limited), Hyderabad (Andhra Pradesh)	Maharashtra	Suitable for long slender grain type with moderate resistance to leaf blast
	Mandya Jyothi (KMP-220)	All India Coordinated Research Project (Rice) Zonal Agricultural Research Station, V.C. Farm, Mandya (Karnataka)	Assam	Suitable for long bold grains
	Samruddhi (Mandya Source Nursery 99) (MSN 99)	Zonal Agricultural Research Station, University of Agricultural Sciences, Bangalore, V.C. Farm, Mandya (Karnataka)	Karnataka	Suitable for long bold grains with moderate resistance to leaf and neck blast
Wheat	Him Palam Gehun 3 (HPW 373)	Rice & Wheat Research Centre, Malan; CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur (Himachal Pradesh)	Himachal Pradesh	Suitable for mid and low hills of HP under late sown rainfed conditions, maturity 145 to 149 days, well adapted to rainfed conditions, highly resistant to yellow rust, amber semi hard bold grains with good chapati making quality

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Wheat	Jammu Wheat 672	Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu (Jammu & Kashmir)	UT of Jammu & Kashmir	Suitable for early/timely sown restricted irrigation conditions up to mid hills of Jammu region, protein content 11.2%, maturity 155-170 days, restricted irrigation, resistance to yellow and black rust
	VL Gehun 2028	ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan Almora (Uttarakhand)	Uttarakhand	Suitable for timely sown, rainfed conditions under organic cultivation in mid hills of Uttarakhand, protein content 10.34-12.32%, maturity 171 days, tolerance, resistance to yellow and brown rust
	VL Gehun 3010	ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan Almora (Uttarakhand)	Uttarakhand	Suitable for late sown, irrigated conditions of Uttarakhand plains, higher iron content (44.9 ppm), maturity 126 days, resistance to yellow and brown rust
	K 1616	C.S. Azad Univ. of Agriculture and Technology, Kanpur (Uttar Pradesh)	Uttar Pradesh	Suitable for rainfed, timely sown condition of Uttar Pradesh, yield good hectoliter weight, maturity 121 days, resistance to brown rust
	PBW 872	Punjab Agricultural University, Ludhiana (Punjab)	Punjab, Haryana, Delhi, Rajasthan (excluding Kota and Udaipur division), Western Uttar Pradesh (except Jhansi division), Jammu and Kathua district of Jammu & Kashmir, Paonta Valley and Una district of Himachal Pradesh and Tarai region of Uttarakhand	Suitable for Irrigated, early sown & high fertility conditions Maturity: 152 days. Biotic stress: Resistance to brown rust. Special quality features: Fe 42.3 ppm, Zn 40.7 ppm & Chapati quality score 8.2/10
	PBW 833	Punjab Agricultural University, Ludhiana (Punjab)	North Eastern Plains Zone comprising Eastern Uttar Pradesh, Bihar, Jharkhand, Orissa, West Bengal, Assam and Plains of NE States	Suitable for irrigated, late sown conditions. Maturity: 115 days. Biotic stress: Resistance to brown rust. Special quality features: Good Chapati quality score (8.2/10) & grain protein content (12.9 %)

Crop	Variety	Developed by	Recommended Zone	Salient features
Wheat	PBW 826	Punjab Agricultural University, Ludhiana (Punjab)	NWPZ- Punjab, Haryana, Delhi, Rajasthan (excluding Kota and Udaipur division), Western Uttar Pradesh (except Jhansi division), Jammu and Kathua district of J & K, Paonta Valley & Una district of HP and Tarai region of Uttarakhanda, Eastern Uttar Pradesh, Jharkhand, Orissa, WB, Assam and NE Plains	Suitable for irrigated, timely sown conditions. Maturity: 146 days (NWPZ); 123 days (NEPZ). Biotic stress: Resistance to yellow rust, brown rust, wheat blast. Special quality features: Hard grains
	Pusa Ojaswi (HI 1650)	ICAR-Indian Agricultural Research Institute, Regional Station, Indore (MP)	Madhya Pradesh, Chhattisgarh, Gujarat, Kota and Udaipur Divisions of Rajasthan and Jhansi Division of Uttar Pradesh	Suitable for: irrigated, timely sown condition. Maturity: 117 days. Biotic stress: Resistance to black and brown rusts. Special quality features: Zinc rich variety (Zn: 42.7 ppm)
	Pusa Jagrati (HI 1653)	ICAR-Indian Agricultural Research Institute, Regional Station, Indore (Madhya Pradesh)	Punjab, Haryana, Delhi, Rajasthan (Except Kota and Udaipur Division), Western Uttar Pradesh (Except Jhansi Division), Jammu and Kathua district of Jammu and Kashmir, Una district and Paonta Valley of Himachal Pradesh and Tarai region of Uttarakhanda	Suitable for restricted irrigation, timely sown conditions. Maturity: 149 days. Biotic stress: Resistance to yellow, brown rust and wheat blast. Special quality features: Higher sedimentation value (57.7 ml)
	Pusa Aditi (HI 1654)	ICAR-Indian Agricultural Research Institute, Regional Station, Indore (Madhya Pradesh)	Punjab, Haryana, Delhi, Rajasthan (Except Kota and Udaipur Division), Western Uttar Pradesh (Except Jhansi Division), Jammu and Kathua district of Jammu and Kashmir, Una district and Paonta Valley of Himachal Pradesh and Tarai region of Uttarakhanda	Suitable for Restricted irrigation, timely sown conditions. Maturity: 151 days. Biotic stress: Resistance to yellow, brown rust and wheat blast. Special quality features: Good biscuit spread factor (10.6)

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Wheat	Pusa Harsha (HI 1655)	ICAR-Indian Agricultural Research Institute, Regional Station, Indore (Madhya Pradesh)	Madhya Pradesh, Chhattisgarh, Gujarat, Kota and Udaipur Divisions of Rajasthan and Jhansi Division of UP	Suitable for restricted irrigation, timely sown condition Maturity: 118 days Resistance to leaf and black rust Special quality features: Hard grains and good Chapati score (8.4/10)
	Pusa Kirti (HI 8830)	ICAR-Indian Agricultural Research Institute, Regional Station, Indore (Madhya Pradesh)	Madhya Pradesh, Chhattisgarh, Gujarat, Kota and Udaipur Divisions of Rajasthan and Jhansi Division of Uttar Pradesh	Suitable for restricted irrigation, timely sown condition Maturity: 119 days Biotic stress: Resistance to black and brown rust Special quality features: Higher amount of yellow pigment (7.4 ppm)
	Pusa Poshtik (HI 8826)	ICAR-Indian Agricultural Research Institute, Regional Station, Indore (Madhya Pradesh)	Maharashtra, Karnataka and Plains of Tamil Nadu	Suitable for irrigated, timely sown condition. Maturity: 109 days Biotic stress: Resistance to black and brown rust Special quality features: Hard grain index (92.3) and, yellow pigment (7.0 ppm), good pasta acceptability (6.6)
	Karan Vrinda (DBW 371)	ICAR- Indian Institute of Wheat and Barley Research, Karnal (Haryana)	Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur division) and Western Uttar Pradesh (except Jhansi division), Jammu & Kashmir (Jammu & Kathua distt.) and Himachal Pradesh (Una and Paonta Valley) and Uttarakhnad (Tarai region)	Suitable for irrigated, early sown, high fertility conditions Maturity: 150days Biotic stress: Resistance to brown rust Special quality features: High protein content (12.2%), High iron content (44.9 ppm), low phenol content (2.8)
	Karan Varuna (DBW 372)	ICAR- Indian Institute of Wheat and Barley Research, Karnal (Haryana)	Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur division) and Western Uttar Pradesh (except Jhansi division), parts of Jammu and Kashmir (Jammu and Kathua distt.) and parts of Himachal Pradesh (Una distt. and Paonta Valley) and Uttarakhnad (Tarai region)	Suitable for irrigated, early sown, high fertility conditions Maturity: 151 days Biotic stress: Resistance to brown rust Special quality features: High protein content (12.2%), High zinc content (40.8ppm)

Crop	Variety	Developed by	Recommended Zone	Salient features
Wheat	Karan Vaidahi (DBW 370)	ICAR- Indian Institute of Wheat and Barley Research, Karnal (Haryana)	Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions) and Western Uttar Pradesh (except Jhansi division), parts of Jammu and Kashmir (Jammu and Kathua distt.) and parts of Himachal Pradesh (Una distt. and Paonta Valley) and Uttarakhand (Tarai region)	Suitable for irrigated, early sown, high fertility conditions Maturity: 151 days. Biotic stress: Resistance to brown rust Special quality features: Good chapati quality score (8.3), protein content (12.0%)
	Karan Prema (DBW 316)	ICAR- Indian Institute of Wheat and Barley Research, Karnal (Haryana)	Eastern Uttar Pradesh, Bihar, Jharkhand, Orissa, West Bengal, Assam and Plains of North-Eastern States	Suitable for irrigated, late sown condition Maturity: 114 days Biotic stress: Resistant to wheat blast Special quality features: High protein content (13.2%)
	Unnat (HD 2932) (HD 3407)	ICAR- Indian Agricultural Research Institute, New Delhi	Madhya Pradesh, Chhattisgarh, Gujarat, Kota and Udaipur divisions of Rajasthan and Jhansi division of Uttar Pradesh	Suitable for irrigated, late sown condition Maturity: 109days Developed through Marker Assisted Back Crossing (HD2932+Lr19/Sr25+Lr24/Sr24+Yr10) Biotic stress: Resistant to brown rust Quality traits: Grain protein (12.1 %), hard grains, chapati score (8.1/10)
	Unnat (HD 2967) (HD 3406)	ICAR- Indian Agricultural Research Institute, New Delhi	Punjab, Haryana, Delhi, Rajasthan (except Kota and Udaipur divisions) and Western Uttar Pradesh (except Jhansi division), Jammu and Kathua district of Jammu and Kashmir Una district and Paonta Valley of Himachal Pradesh and tarai region of Uttarakhand	Suitable for irrigated, timely sown condition Maturity: 146days Developed through Marker Assisted Back Crossing (HD2967+LrTrk/YrTrk) Biotic stress: Less score of yellow rust, brown rust, Karnal bunt as compared to recurrent parent Special quality features: Protein content (12.25%)
	MACS SAKAS (MACS 6768)	All India Coordinated Wheat and Barley Improvement Project, Agharkar Research Institute, Pune (Maharashtra)	Madhya Pradesh, Chhattisgarh, Gujarat, Rajasthan (Kota and Udaipur Division), and Western Uttar Pradesh (Jhansi Division)	Suitable for irrigated, timely sown condition Maturity: 116 days Biotic stress: Resistant to black rust Special quality features: Protein (12.0%), Fe(41.2ppm), Zn(45.1 ppm), Good chapati quality (8.3)

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Wheat	Pusa Wheat 3369 (HD 3369)	ICAR-Indian Agricultural Research Institute, New Delhi	Punjab, Haryana, Delhi, Rajasthan, (except kota and Udaipur divisions), Western Uttar Pradesh (except Jhansi division), parts of Jammu and Kashmir (Kathua district), parts of Himachal Pradesh (Una district & Paonta valley) and Uttarakhand (tarai region)	Suitable for restricted irrigation, timely sown condition Maturity: 149 days Biotic stress: Resistant to yellow and brown rust Special quality features: Higher amount of iron content (40.6 ppm), high sedimentation value (61.8ml)
	Niera Pusa Wheat 3411 (HD 3411)	ICAR-Indian Agricultural Research Institute, New Delhi	Eastern Uttar Pradesh, Bihar, Jharkhand, Orissa, West Bengal, Assam and plains of NE States	Suitable for irrigated, timely sown condition. Developed through Marker Assisted Back Crossing Maturity: 127days Biotic stress: Resistance to brown rust Special quality features: Higher protein content (12.4%)
	DDW55 (d) (Karan Manjari)	ICAR- Indian Institute of Wheat Barley Research Karnal, (Haryana)	Madhya Pradesh, Gujarat, Rajasthan and Chhattisgarh	Maturity: 116days Biotic stress: Resistance to brown rust Special quality features: Higher Zinc content (43.3 ppm), hard grains, good hectoliter weight
	Macs Jejuri (MACS 4100 (d))	All India Coordinated Wheat and Barley Improvement Project, Agharkar Research Institute, Pune (Maharashtra)	Maharashtra and Karnataka	Suitable for irrigated, timely sown conditions Maturity: 103 days Biotic stress: Moderately resistance to brown rust, Special quality features: Good amount of yellow pigment (7.1 ppm)
	VL Cookies (VL 2041)	ICAR- Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora (Uttarakhand)	Himachal Pradesh, Jammu and Kashmir, Uttarakhand, Manipur and Meghalaya	Suitable for Rainfed/Irrigated, timely sown conditions Maturity: 189 days Biotic stress: Resistant to brown rust Special quality features: Soft wheat (grain hardness index 22.6) suitable for biscuit making. Biscuit spread factor (11.7)
	Vidhya (CG 1036)	IGKV, BTC College of Agriculture & Research Station, Bilaspur, (Chhattisgarh)	Madhya Pradesh, Gujarat, Chhattisgarh, Kota and Udaipur division of Rajasthan and Jhansi division of Uttar Pradesh	Suitable for Restricted irrigation, timely sown conditions Maturity: 114 days Biotic stress: Resistance to black rust Special quality features: High hectoliter weight (83.7 kg/hl), good Chapati score (8.5/10)

Crop	Variety	Developed by	Recommended Zone	Salient features
Wheat	Shalimar Wheat-3 (SKW-356)	Mountain Research Centre for Field Crops, Khudwani, Anantnag-SKUAST-Kashmir (Jammu and Kashmir)	Jammu and Kashmir	Suitable for rainfed, timely sown conditions Maturity: 225 days Biotic stress: Resistance to brown rust Special quality features: Protein content 11.9%
	Phule Anupam (NIAW 3624)	Agricultural Research Station, Mahatma Phule Krishi Vidyapeeth, Niphad, Distt. Nashik (Maharashtra)	Maharashtra	Suitable for restricted irrigation Maturity: 106 days Biotic stress: Resistant to brown rust Special quality features: Protein content 11.4%
Maize	Pusa Biofortified Maize Hybrid-2 (APH2)	ICAR-Indian Agricultural Research Institute, New Delhi	Punjab, Haryana, Delhi, Uttarakhanda (Plain), Uttar Pradesh (Western region), Bihar, Jharkhand, Odisha, Uttar Pradesh (Eastern region), West Bengal, Gujarat, Madhya Pradesh, Chhattisgarh and Rajasthan	Suitable for <i>Kharif</i> season, irrigated conditions, maturity 87 to 92 days, it possesses 5.9 µg/g of pro-vitamin-A, it is also a QPM hybrid and possesses high lysine (3.47%) and tryptophan (0.92%) in endosperm protein
	Pusa Biofortified Maize Hybrid-3 (APH3)	ICAR-Indian Agricultural Research Institute, New Delhi	Punjab, Haryana, Delhi, Uttarakhanda (Plain), Uttar Pradesh (Western region), Maharashtra, Karnataka, Andhra Pradesh, Telangana, Tamil Nadu, Gujarat, Madhya Pradesh, Chhattisgarh and Rajasthan	Suitable for <i>Kharif</i> season, irrigated conditions, maturity 88 to 94 days, it possesses 5.7 µg/g of provitamin-A, it is also a QPM hybrid and possesses high lysine (3.52%) and tryptophan (0.87%) in endosperm protein
	PMH1-LP (EDV of PMH1 with Low Phytate)	ICAR-Indian Institute of Maize Research Ludhiana (Punjab)	Punjab, Haryana, Western Uttar Pradesh, Plains of Uttarakhanda and Delhi	Suitable for irrigated, high fertility, <i>Kharif</i> season in NWPZ, fodder yield 80 q/ha, maturity 94 days, protein content 8.8%, low Phytic Acid content (1.89 mg/g), orange colour grain with yellow cap, moderately resistant to Maydis leaf blight, Turcicum leaf blight and charcoal rot
	IMH 222	ICAR-Indian Institute of Maize Research Ludhiana (Punjab)	Punjab, Haryana, Plain parts of Uttarakhanda, New Delhi and Western Uttar Pradesh	Suitable for rabi, irrigated condition, maturity medium, moderately resistant to charcoal rot in proposed NWPZ, also showed resistant response to fusarium stalk rot and maydis leaf blight, moderately resistant to turcicum leaf blight and at regional/national level, <i>Chilopartellus</i> , pink stem borer, (<i>Sexamianferens</i>) (under artificial epiphytotic conditions) and fall armyworm (under natural infestation).

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Maize	IMH 223	ICAR-Indian Institute of Maize Research Ludhiana (Punjab)	Punjab, Haryana, Uttar Pradesh (Western region), Uttarakhand (Plains) and Delhi	Suitable for <i>Rabi</i> , irrigated condition, maturity medium, moderately resistant to charcoal rot in proposed NWPZ, also showed resistant response to fusarium stalk rot and turicum leaf blight and maydis leaf blight at regional/National level, <i>Chilopartellus</i> , pink stem borer, (<i>Sesaminiiferens</i>) (under artificial epiphytotic conditions) and fall armyworm (under natural infestation).
	IMH 224	ICAR-Indian Institute of Maize Research Ludhiana (Punjab)	Eastern Uttar Pradesh, Bihar, Jharkhand and Odisha	Suitable for <i>Kharif</i> , irrigated condition, maturity medium, moderately resistant to maydis leaf blight in proposed NEPZ, charcoal rot and turicum leaf blight at regional/national level, also showed resistant response to fusarium stalk rot, <i>chilopartellus</i> , (under artificial epiphytotic conditions) and fall armyworm (under natural infestation).
	DKC7204 (IT7788)	Bayer Crop Science Limited (formerly Monsanto India Ltd), Kallinayakanahalli (Karnataka)	Eastern Uttar Pradesh, Bihar, Jharkhand and Odisha	Suitable for <i>Kharif</i> , rainfed and irrigated condition, maturity early, moderate resistant to under artificial epiphytotic conditions at hot spot locations in NWPZ, moderately tolerant to stem borer <i>Chilopartellus</i>
	VLQPM Hybrid 45 (FQH 165)	ICAR-Vivekanand Parvatiya Krishi Anusandhan Sanshan, Almora (Uttarakhand)	Jammu & Kashmir, Ladakh, Himachal Pradesh, Assam, Uttarakhand, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura	Suitable for kharif, rainfed condition, tryptophan and lysine (% of endosperm protein)-0.66 and 2.90 respectively, maturity medium, moderately resistant to <i>Turicum</i> leaf blight and fall army worm
	VL QPM 61	ICAR-Vivekananda Parvatiya Krishi Anusandhan Sanshan Almora (Uttarakhand)	Uttarakhand	Suitable for kharif, rainfed condition, tryptophan and lysine (% of endosperm protein)-0.76 and 3.30 respectively, maturity early, yellow, semi-flint and medium bold grains, moderately resistant to <i>Turicum</i> and <i>Maydis</i> leaf blight
	VL QPM 63	Dryland Agriculture Research Station, Rangreth; Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir	Uttarakhand	Suitable for <i>Kharif</i> , rainfed condition, tryptophan and lysine (% of endosperm protein)-0.72 and 3.20 respectively, maturity early, yellow, semi-flint and medium bold grains (avg. 1000-grain wt. 280 g), moderately resistant to turicum leaf blight
	Shalimar Maize Composite-8 (KDMH-103)	Mountain Crop Research Station, Sagam, Sher-E-Kashmir University of Agricultural Sciences And Technology of Kashmir (Jammu & Kashmir)	UT of Jammu & Kashmir	Suitable for rainfed conditions, maturity 125-130 days, drought tolerant composite, resistant to CLS, TLB and stem borer 2022 Gazette Notification No. SO 4065 (E) Dated 31.08.2022

Crop	Variety	Developed by	Recommended Zone	Salient features
Maize	Shalimar Maize Hybrid 4 (H-64)	Mountain Crop Research Station, Sogam, Sher-E-Kashmir University of Agricultural Sciences And Technology of Kashmir (Jammu & Kashmir)	UT of Jammu & Kashmir	Suitable for high altitudes of Kashmir between 1800-2250 m, maturity 140-145 days, cold tolerant hybrid, resistant to TLB and common rust
	RC Manichujak-2	ICAR Research Complex for NEH Region, Manipur Centre, Imphal (Manipur)	Manipur	Suitable for <i>Kharif</i> season of the valley, foot hills and hill region of the Manipur state, maturity 105 days good performance in heat and drought condition, resistant to lodging and shattering and fertilizer response is very good, moderately tolerant to fall armyworm, <i>Turicum</i> leaf blight, bacterial leaf blight, bacterial sheath blight
	CP 333	Charoen Pokphand Seeds (India) Pvt Ltd, Bangalore	Assam	Suitable for rainfed conditions and for zone V, maturity late 120-130 days, tolerant to TLB and Charcoal rot, resistant to S. inference, high yield and disease resistance, long conical cob, attractive orange color grains
	KMH005	Kaveri Seed Company Limited, Hyderabad (Telangana)	Punjab, Haryana, Delhi and Uttar Pradesh	Suitable for Kharif irrigated conditions, Resistant to Maydis leaf blight, Moderately resistant to Chilo partellus, field corn,
	RMH 4118 (Rasi 4118)	Rasi Seeds (P) Ltd., Coimbatore-Tamil Nadu	Odisha, Jharkhand, Bihar eastern Uttar Pradesh and West Bengal	Suitable for Rabi season in irrigated conditions, Resistant to Maydis leaf blight and moderately resistant to Turicum leaf blight, charcoal rot. Moderately resistant to Chilo partellus and Sesamia inferens, field Corn.
	NMH 4140	Nuziveedu Seeds Ltd., Hyderabad (Telangana)	Punjab, Haryana, Delhi, Uttarakhand (plain), Western Uttar Pradesh, Bihar, Jharkhand, Odisha, Eastern Uttar Pradesh and West Bengal	Suitable for Rabi season in irrigated conditions, Moderately Resistant to Maydis leaf blight, Turicum leaf blight, charcoal rot, Common Rust Moderately resistant to Fall armyworm, field Corn.
	NMH 4144	Nuziveedu Seeds Ltd., Hyderabad (Telangana)	Bihar, Jharkhand, Odisha, Eastern Uttar Pradesh and West Bengal	Suitable for Kharif-Irrigated and rainfed conditions. Moderately Resistant to Turicum leaf blight, Charcoal rot. Moderately resistant to Chilo partellus and Fall armyworm, field Corn.
	NK 6801 (SYN916801)	Syngenta India Pvt. Ltd., Pune (Maharashtra)	Maharashtra, Karnataka, AP, Tamil Nadu and Telangana, Bihar, Jharkhand, Odisha, WB and Eastern UP	Suitable for Kharif irrigated conditions. Moderately Resistant to Maydis leaf blight, Turicum leaf blight, Charcoal rot, Banded Leaf and Sheath Blight. Moderately resistant to Chilo partellus, fall army worm, field Corn,

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Maize	KMH 8322	Kaveri Seed Company Ltd., Secunderabad (Telangana)	Punjab, Haryana, Delhi, Western Uttar Pradesh, Bihar, West Bengal, Odisha, Chhattisgarh, Jharkhand, Andhra Pradesh, Telangana, Karnataka, Maharashtra and Tamil Nadu	Suitable for Kharif irrigated conditions. Moderately Resistant to Sorghum Downy Mildew. Moderately resistance to Chilo partellus, field Corn
	Him Palam Maize Composite 2 (L 316)	CSKHPKV, Hill Agricultural Research and Extension Centre, Bjaura, Kullu (Himachal Pradesh)	Himachal Pradesh, Jammu and Kashmir, Uttarakhand and North East Hills	Suitable for Kharif rainfed conditions. Moderately resistant to Turicum leaf blight and Bacterial stalk rot. Moderately resistant to C. partellus, f field Corn
	Megha Maize-1 (RCM 1-61)	ICAR Regional Centre for NEH Region Umiam (Meghalaya)	Jammu and Kashmir, Himachal Pradesh, Uttarakhand (Hilly region), Northern Eastern Hill Regions (Meghalaya, Sikkim, Assam, Tripura, Nagaland, Manipur and Arunachal Pradesh)	Suitable for Kharif rainfed conditions. Moderately resistant to Turicum leaf blight, Bacterial leaf and sheath disease, Fusarium stalk rot and Maydis leaf blight. Moderately resistant to Fall army worm, field Corn.
	Megha Maize-2 (RCM 1-76)	ICAR Regional Centre for NEH Region Umiam (Meghalaya)	Jammu and Kashmir, Himachal Pradesh, Uttarakhand (Hilly region), Northern Eastern Hill Regions (Meghalaya, Sikkim, Assam, Tripura, Nagaland, Manipur and Arunachal Pradesh)	Suitable for Kharif rainfed conditions. Moderately resistant to Turicum leaf blight, Banded leaf and sheath and Maydis leaf blight. Moderately resistant to Fall army worm, field Corn,
	NMH-51	Nimal Seeds Pvt. Ltd., Bhadgaon Road, Pachora Dist. Jalgaon (Maharashtra)	Assam	Suitable for Kharif and Rabi in irrigated conditions. Resistant to Turicum leaf blight, Sorghum Downy Mildew, Banded Leaf and Sheath Blight; Moderately Resistant to Charcoal rot. Field Corn.
	SJPC 1	Maize Breeding Research Sub-Station, SKU/AST-J, Poonch (Jammu and Kashmir)	Jammu Province of Jammu and Kashmir	Suitable for Kharif irrigated conditions. Moderately Resistant to Maydis leaf blight, Turicum leaf blight. Pop Corn,

Crop	Variety	Developed by	Recommended Zone	Salient features
Maize	Shalimar Maize Hybrid-5 (IMH-221) (DMRH-1417)	Dryland (Karewa) Agriculture Research Station, SKUAST Srinagar (Jammu and Kashmir)	Kashmir Valley	Suitable for Kharif rainfed and irrigated conditions. Moderately Resistant to Maydis leaf blight, Turcicum leaf blight, C Rot, Fusarium Rot and Curvularia Spot. Moderately resistant to Chilo partellus.
	Gujarat Dantiwada Yellow Maize Hybrid 101 (GDYMH-101) (BYMH-13-5)	Maize Research Station, S.D. Agricultural University, Bhiloda (Gujarat)	North Gujarat	Suitable for Kharif irrigated conditions. Moderately Resistant to Maydis leaf blight. Field Corn
	Siata Mimpui (MZM 11)	ICAR Regional Centre for NEH Region, Mizoram Centre, Kolasib (Mizoram)	Mizoram	Suitable for Kharif irrigated conditions. Moderately Resistant to Turcicum Leaf blight and Banded leaf and sheath blight. Field Corn,
	Mizo Popcorn 1 (MZM 17)	ICAR Regional Centre for NEH Region, Mizoram Centre, Kolasib (Mizoram)	Mizoram	Suitable for Kharif irrigated conditions. Moderately Resistant to Turcicum Leaf blight and Banded leaf and sheath blight. Moderately resistant to Chilo partellus. Pop Corn, popping % 95. Grain Color- Red
	Punjab Baby Corn 1 (JH 32434)	Department of Plant Breeding & Genetics, PAU, Ludhiana	Punjab	Suitable for Kharif irrigated conditions. Moderately Resistant to Maydis leaf blight. Baby Corn
Barley	GH-150125 (Dharma) (CAH-152SE)	University of Agricultural Sciences, Dharwad (Karnataka)	Karnataka	Suitable for Kharif irrigated conditions. Moderately Turcicum Leaf blight and Common Rust. Field Corn.
	Him Palam Jau 2 (HBL-804)	Rice & Hill Agricultural Research & Extension Centre, Bajaura, Kullu; Himachal Pradesh Krishi Viswavidyalaya, Palampur (Himachal Pradesh)	Himachal Pradesh	Suitable for dual purpose, recommended for timely sown rainfed and irrigated conditions in low and mid hills of Himachal Pradesh, maturity 175-185 days, CP 9.9%, high degree of resistance to stripe and brown rusts
Sorghum	Gujarat Jowar-101 (GI-101: <i>Madhu Moti</i>)	Main Sorghum Research Station, Surat; Navsari Agricultural University, Navsari (Gujarat)	Gujarat	Suitable for Gujarat state for <i>Rabi</i> adaptation, good grain quality, roti quality with high protein, Fe and Ze content, maturity 118 days, moderately resistant to grain mold, sugary disease. <i>Anthraxnose</i> and leaf blight, good in fodder quality with high crude protein, NDF and calcium
	Gujarat Dantiwada Jowar 1 (GDJ 01: Banas Surya]	Sorghum Research Station, Deesa; Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar (Gujarat)	Gujarat	Suitable for <i>Kharif</i> sorghum growing areas of Gujarat state, 10.10 % /g crude protein, 0.165% g tryptophan and low tannin (0.215% mg/g), dry fodder contains 9.20 % crude protein and 24.24 % crude fiber, maturity 102 days, moderately resistant to anthracnose and leaf blight, grain mold

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Sorghum				and ergot disease, moderately tolerant to shootfly and stem borer, grain yellow white in color.
	Parbhani Shakti (PVK 1009)	Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani (Maharashtra)	Maharashtra	Suitable for <i>Kharif</i> rainfed area of Maharashtra state, maturity 108 days, Fe and Zn rich <i>Kharif</i> sorghum variety resistant to pest and diseases.
	Phule Revati (RSV 1006)	Mahatma Phule Krishi Vidyapeeth, (Maharashtra)	Gujarat	Suitable for irrigated, timely sown recommended area Maharashtra, grain, crude protein – 9.83 %, crude fibre- 1.35 % and total sugar – 1.77%, maturity 119 days, resistant to moderately tolerant to shoot fly and stem borer, moderately resistant to charcoal rot
	CSH 48 (SPH 1938)	ICAR-Indian Institute of Millets Research, Rajendranagar Hyderabad (Telangana)	Karnataka, Tamil Nadu, Telangana, Madhya Pradesh, Gujarat and Rajasthan	Suitable for early maturing with long semi-compact panicle with complete emergence of neck, non-lodging. Moderate resistance to grain molds and shoot fly, <i>kharif</i> grain sorghum hybrid.
	CSV 50 Red (SPV 2612)	ICAR-Indian Institute of Millets Research, Rajendranagar Hyderabad (Telangana)	Karnataka, Telangana and Maharashtra	Suitable for <i>kharif</i> rainfed ecology. Can be grown in <i>rabi</i> also. Broad semi-compact panicle with complete emergence of neck. Has grain mold tolerance, red grain sorghum variety
	CSV 51 (SPV 2683)	All India Coordinated Sorghum Improvement Project, MARS, University Agricultural Science, Dharwad (Karnataka)	Karnataka, Tamil Nadu and Telangana	Suitable for rainfed situations. Has bold grain (3.15g/100 seeds). Moderately resistant to pests and diseases, <i>Kharif</i> dual-purpose variety
	CSV 52SS (SPV 2697)	ICAR-Indian Institute of Millets Research, Rajendranagar Hyderabad (Telangana)	Maharashtra, Telangana, Tamil Nadu and Punjab	Suitable for <i>kharif</i> rainfed/Irrigated conditions. Tolerant to grain molds and leaf blight
	CSV54HB (SPV 2714)	ICAR-AICRP on Sorghum RVSXV, College of Agriculture, Indore (Madhya Pradesh)	Telangana, Gujarat, Punjab and Uttarakhand	Suitable for <i>kharif</i> rainfed/Irrigated conditions. Tolerant to leaf spot diseases, High biomass sorghum variety. Ethanol yield (2G)-360 L/ ton dry biomass
	Phule Yashomati (RSV 1910)	Mahatma Phule Krishi Vidyapeeth, Rahuri, Dist. Ahmednagar (Maharashtra)	Maharashtra	Suitable for <i>rabi</i> rainfed shallow soils. Moderate tolerance to charcoal rot and shoot fly

Crop	Variety	Developed by	Recommended Zone	Salient features
Pearl Millet	86M80 (MH 2439)	Pioneer Hi-Bred Private Limited, (Corteva Agri science), Siddipet (Telangana)	Gujarat, Rajasthan, Haryana, Uttar Pradesh, Madhya Pradesh, Punjab and Delhi	Suitable for kharif rainfed cultivation, maturity 88 days, resistant to high temperature and lodging, highly resistant to DM, tolerant to rust and insect-pests
	SVPMH-101 (MSH 361)	Shakti Yardhak Hybrid Seeds Pvt. Ltd., Hissar (Haryana)	Gujarat, Rajasthan, Maharashtra, Uttar Pradesh, Punjab, Telangana and Tamil Nadu	Suitable for summer irrigated cultivation, maturity 88 days, resistant to downy mildew and lodging
	MPMH 35 (MH 2474) MARU SAMPADA	ICAR - Project Coordinating Unit, Agricultural University Campus, Madore, Jodhpur (Rajasthan)	Rajasthan, Gujarat and Haryana	Suitable for kharif rainfed cultivation drier regions, maturity 75 days, highly resistant to downy mildew, blast, insect pests and resistant to smut
	MH2480 (86M94)	Pioneer Overseas Corporation (Corteva Agri Science) Hyderabad (Telangana)	Rajasthan, Gujarat, Haryana, Madhya Pradesh, Uttar Pradesh, Punjab and Delhi	Suitable for kharif rainfed cultivation, maturity 82 days, resistant to high temperature and lodging, highly resistant to DM, tolerant to rust and insect-pests
	BLPMH 109 (MSH 363)	Limagrain India Pvt. Ltd., Sikandrabad (Telangana)	Gujarat, Rajasthan, Uttar Pradesh, Punjab, Maharashtra, Tamil Nadu and Telangana	Suitable for summer irrigated cultivation, maturity 89 days, resistant to downy mildew and lodging
	GHB 538 (EDV:DM) (Marua Sona)	Junagadh Agricultural University, Jamnagar (Gujarat)	Gujarat	Suitable for early maturing, GY: 26 q/ha, FY:63 q/ha, highly resistant to DM (Developed through MAS. Resistant to Blast, Eargot, Smut & Rust, Moderately resistant against Insect-Pests, Fe: 53ppm, Zn: 40ppm)
	PCB 166 (FBL 4)	Punjab Agricultural University, Ludhiana (Punjab)	Punjab	Suitable for dual purpose composite with more number of tillers. It is a tall variety (281cm) with long and broad leaves. Late maturing variety and comes to 50 per cent flowering after 89 days. Tolerant to all the major diseases of bajra. It possesses good fodder quality especially the crude protein and in vitro dry matter digestibility.
Little Millet	Kalinga Suan 18 (CLMV-2)	ICAR-AICRP on Small Millets (OUAT), Centre for Pulses Research, Berhampur (Odisha)	Odisha, Andhra Pradesh and Karnataka	Suitable for early sowing and rainfed condition, uplands during kharif season in states like Odisha, Andhra Pradesh and Karnataka. The variety is resistant to leaf blight and brown spot diseases and tolerant to shoot fly. The variety Kalinga Suan 18 has medium height (122 cm), leaves green in color, medium bold, lustrous with light grey grains and matures in 92 days. It has agronomic features like non-lodging, non-shattering

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Little Millet	GV-4 (Ambika)	Hill Millet Research Station, Navsari Agricultural University, Waghai, Dist. Dangs (Gujarat)	Gujarat	Suitable for rainfed condition, variety is recommended for Rainfed Kharif, matures in 120-125 days, Variety is Non-lodging, Compact panicle, non-Shattering, Moderately resistance to pest and diseases.
Proso Millet	GPUP 28	ICAR-AICRP on Small Millets, University of Agricultural Sciences, GKVK, Bengaluru, (Karnataka)	Karnataka	Suitable for sowing in both kharif (June-July) and summer (January) seasons. It has intermediate compact with globose-elliptic shaped inflorescence, Grain is oval shaped with golden yellow, matures in 80 to 85 days. Moderately resistant to leaf blight and resistant to brown spot diseases.
Finger Millet	Gossagaon Marua Dhan (AAU-GSG-Marua Dhan-1) (FMV 1156)	Assam Agricultural University, Jorhat (Assam)	Assam	Suitable for rainfed, low fertile, <i>Kharif</i> season, maturity 125-130 days, lodging and shattering resistance, moderately resistant to leaf blast and neck blast, high in crude protein (10.67%), crude fiber (11.75%), calcium (300mg/100g) and iron (8.91mg/100g)
	Phule Kasari (KOPN 942)	Zonal Agricultural Research Station, Kolhapur; Mahatma Phule Krishi Vidyapeeth, Rahuri (Maharashtra)	Maharashtra	Suitable for timely sown and transplanting condition, maturity 100 to 110 days, resistant to neck, finger blast disease
Foxtail Millet	GPUP 3	ICAR-AICRP on Small Millets, University of Agricultural Sciences, GKVK, Bengaluru (Karnataka)	Karnataka	Suitable for sowing in both kharif (June-July) and summer (January) seasons. It has semi compact and oblong shaped inflorescence with oval shaped yellow to colored seeds, matures in 85 to 90 days. Moderate resistant to rust and leaf blight diseases.
Barnyard Millet	Phule Barti-1 (KOPBM 46)	Mahatma Phule Krishi Vidyapeeth, Rahuri (Maharashtra)	Maharashtra	Suitable for timely sown condition, maturity 95-105 days, any major pests and diseases have not been observed
Soybean	RSC 10-71	Indira Gandhi Krishi Vishwa Vidyalaya, Raipur (Chhattisgarh)	West Bengal, Bihar, Jharkhand, Chhattisgarh, and Odisha	Suitable for high rainfall and medium to heavy soil condition, maturity 107 days, tolerant to drought condition, resistant to Charcoal rot, bud blight, bacterial pustules, leaf spot, stem fly, stem borer and defoliators
	Birsa Soybean-4 (BAU Ranchi)	Birsa Agricultural University, Ranchi (Jharkhand)	Jharkhand	Suitable for rainfed Kharif condition, yield 26.70 q/ha, maturity 105-110 days, tolerant to powdery mildew, <i>Rhizoctonia</i> aerial blight, target leaf spot, bacterial pustules, <i>Myrothecium</i> leaf spot and pod blight
	Chhattisgarh Soya 11-15	Indira Gandhi Krishi Vishwa Vidyalaya, Raipur (Chhattisgarh)	Chhattisgarh	Suitable for medium to high rain fall conditions and medium to heavy soils of Chhattisgarh state, maturity 98-103 days, tolerant to drought

Crop	Variety	Developed by	Recommended Zone	Salient features
Soybean				condition, multiple resistant against biotic stresses like charcoal rot, bud blights, bacterial pustules, leaf spots
	VL Soya 99 (VLS 99)	ICAR- Vivekananda Parvatiya Krishi Anusandhan Sansthan, Almora (Uttarakhand)	Uttarakhand and Himachal Pradesh	Suitable for timely sown rainfed conditions of <i>Kharif</i> season, maturity 113-121 days, High oil content (20.18%) Promising against frog eye leaf spot, pod blight diseases, Field resistance against defoliators, aphids and white flies
	JS 21-72 (Jawahar Soybean 21-72)	AICRP on Soybean, Jawahar Lal Nehru Krishi Vishwavidyalaya, Jabalpur (Madhya Pradesh)	Madhya Pradesh, Budelkhand region of Uttar Pradesh, Rajasthan, Gujarat and Vidarbha and Marathwada regions of Maharashtra	Suitable for medium to high rainfall conditions and medium to heavy soils, maturity 94-100 days, resistant for biotic stresses like yellow mosaic virus, charcoal rot, blights, bacterial pustules, leaf spots and stem fly, stem borers and defoliators showing resistant to tolerant reactions.
	Him Palam Soya-1 Himso-1689	CSK HP Krishi Vishwavidyalaya, Palampur- Himachal Pradesh	Madhya Pradesh, Budelkhand region of Uttar Pradesh, Rajasthan, Gujarat and Marathwada and Vidarbha region of Maharashtra	Suitable for Rainfed conditions during <i>kharif</i> season, maturity 95-103 days, moderately resistant reaction against PB (Pod blight) and RAB, moderately susceptible reaction against CR diseases, Low to moderate resistance against girdle beetle and defoliators.
	NRC 150	ICAR-Indian Institute of Soybean Research, Indore (Madhya Pradesh)	Madhya Pradesh, Budelkhand region of Uttar Pradesh, Rajasthan, Gujarat and Vidarbha and Marathwada regions of Maharashtra	Suitable for rainfed conditions of <i>kharif</i> season, maturity 90.6 days, developed through MAS FREE FROM LIPOXYGENASE-2, showed highly resistant (HR) reaction to Charcoal rot and MR reaction to YMD, susceptible reaction to RAB, MLS and Anthracnose. Moderate susceptible to TLS.
	NRC 152	ICAR-Indian Institute of Soybean Research, Indore (Madhya Pradesh)	Madhya Pradesh, Budelkhand region of Uttar Pradesh, Rajasthan, Gujarat and Marathwada and Vidarbha regions of Maharashtra	Suitable for rainfed conditions of <i>kharif</i> season, maturity 89 days, free from LOX2 and KTL,MR to AR reaction to Target Leaf spot,MR to HR reaction to YMV,MR reaction to Anthracnose.resistance/ tolerance reaction to charcoal rot resistance to defoliators, stem& pod borer, insect pest complex and stem fly.
	Umiam Soybean 1 (RCS 1-9)	Meghalaya	ICAR Regional Centre for NEH Region Umiam (Meghalaya)	Suitable for rainfed conditions main <i>kharif</i> season, yield 2470.1 kg/hac., maturity 96-105 days, Moderately resistant to soybean leaf rust and Frog eye leaf spot.
	Shalimar Soybean-2 (SKU-A-WSB-101)	Jammu and Kashmir	Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir, Wadura, Sopore (J & K)	Suitable for rainfed and irrigated conditions, maturity 134-140 days, Resistant to the Soybean Mosaic virus and <i>Ascochyta</i> blight, moderately resistant to white fly, pod borer and aphids.

Crop	Variety	Developed by	Recommended Zone	Salient features
Soybean	MAUS 725	Maharashtra	AICRP on Soybean, Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani (Maharashtra)	Suitable for timely sown rainfed conditions of <i>Kharif</i> season, maturity 92-95 days
	Indore Soy 131 (IS 131) (NRC 131)	Madhya Pradesh	ICAR- Indian Institute of Soybean Research, Indore (Madhya Pradesh)	Suitable for Rainfed and irrigated conditions, maturity 91-97 days, MR to Charcoal rot and Pod Blight, Slight Antixenosis against Spodoptera litura under controlled condition and resistant to stem fly, girdle beetle and defoliators in field condition.
	NRC 157	Madhya Pradesh	ICAR-Indian Institute of Soybean Research, Indore (Madhya Pradesh)	Suitable for rainfed conditions of <i>kharif</i> season, maturity 94 days, resistant to Alternaria Leaf Spot, Bacterial Pustules and moderate resistance to Target Leaf Spot.
Indian Mustard	KMR 16-2 (Surekha)	C.S.A. University of Agriculture & Technology, Kanpur (Uttar Pradesh)	Uttar Pradesh	Suitable for irrigated timely sown condition, oil content 42.6%, maturity 125-130 days, tolerant to heat, resistance to <i>Alternaria</i> blight and white rust
	Trombay Bidhan Mustard-143 (TBM-143)	Bidhan Chandra Krishi Viswavidyalaya (BCKV), Nadia (West Bengal) and Bhabha Atomic Research Centre (BARC), Govt. of India, Mumbai (Maharashtra)	West Bengal	Suitable for irrigated conditions, oil content 41.3%, maturity 104 days, moderately resistant to <i>Alternaria</i> leaf spot
	Jammu Mustard 135 (JM 13-5)	Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu (Jammu & Kashmir)	UT of Jammu & Kashmir	Suitable for irrigated conditions, oil content 38-39.6%, maturity 135-145 days, resistant to lodging, moderately resistant to white rust and <i>Alternaria</i> blight
	Pusa Bold- (Pusa Bold-WRR2)	Centre for Genetic Manipulation of Crop Plants, Biotech Centre, University of Delhi, New Delhi	Punjab, Haryana, Delhi, Northern Rajasthan and Uttar Pradesh	Suitable for timely sown Irrigated condition, white rust resistant, Oil content:34.3%
	Rohini- (Rohini-WRR2)	Centre for Genetic Manipulation of Crop Plants, Biotech Centre, University of Delhi, South Campus New Delhi	Punjab, Haryana, Delhi, Northern Rajasthan and Uttar Pradesh	Suitable for timely sown Irrigated condition, white rust resistant, Oil content:42.8%
	Varuna- (Varuna-WRR2)	Centre for Genetic Manipulation of Crop Plants, Biotech Centre, University of Delhi, South Campus New Delhi	Punjab, Haryana, Delhi, Northern Rajasthan and Uttar Pradesh	Suitable for timely sown Irrigated condition, white rust resistant, Oil content:39.1%

Crop	Variety	Developed by	Recommended Zone	Salient features
Indian Mustard	RH 1424	AICRP on Rapeseed Mustard CCS Haryana Agricultural University, Hisar (Haryana)	Jammu, Punjab, Haryana, Delhi and northern Rajasthan	Suitable for timely sown rainfed condition, low aphid infestation, Oil content: 40.5 %
	RH 1706 (RH (OE) 1706)	AICRP on Rapeseed Mustard CCS Haryana Agricultural University, Hisar (Haryana)	Jammu, Punjab, Haryana, Delhi and northern Rajasthan	Suitable for timely sown and irrigated condition, low aphid infestation, Oil content: 38.0%
	Pusa Mustard 34 (LES 60)	ICAR-Indian Agricultural Research Institute New Delhi	Rajasthan (Northern and Western parts), Punjab, Haryana, Delhi, Western Uttar Pradesh Plains of Jammu and Kashmir and Himachal Pradesh	S.O.1056(E), dated 6.03.2023 Suitable for timely sown irrigated condition, Low eructic acid, Oil content: 36.0%
	CS 13000-3-2-2-5-2 (CS 61)	ICAR-Central Soil Salinity Research Institute, Karnal (Haryana)	Uttar Pradesh	Suitable for timely sown in salt affected soils conditions, Highly responsive to fertilizers and Oil content: 39.0%
	CS 15000-1-1-1-4-2 (CS 62)	ICAR-Central Soil Salinity Research Institute, Karnal (Haryana)	Uttar Pradesh	Suitable for timely sown in salt affected soils conditions, Highly responsive to fertilizers. Oil content: 39.0%
Gobhi Sarson	Jammu Gobhi Sarson 123 (JGS 12-3)	Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu (Jammu & Kashmir)	UT of Jammu & Kashmir	Suitable for irrigated conditions of J&K, oil content 38-41.2%, maturity 150-160 days, moderately resistant to white rust and <i>Alternaria</i> blight
	Shalimar Gobhi Sarson-1 (KGS-32)	Mountain Research Station for Field Crops, SKUAST-K Khudwani, Anantnag (Jammu and Kashmir)	Jammu and Kashmir	Suitable for timely sown crop with adequate moisture at critical growth stages like germination, flowering and seed development, Oil content: 38.5%
Groundnut	VRI 9 (VG 13163)	Regional Research Station, Vriddhachalam; Tamil Nadu Agricultural University, Coimbatore (Tamil Nadu)	Gujarat	Suitable for Kharif season, maturity: 105 days; The proposed variety GG 36 has shown comparable reactions against tikka, rust, stem rot and collar rot as compared to checks during the five years of testing.

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Groundnut	GG 40 (Gujarat Groundnut 40) (ICGV 16668)	ICAR-AICRP on Groundnut, Main Oilseeds Research University, Junagadh Agricultural University Junagadh (Gujarat)	Gujarat	Suitable for Kharif season, maturity: 121 days; The proposed variety GG 23 has shown comparable reactions against stem rot, collar rot and rust as compared to checks during the five years of testing.
	Raj Mungfali 4 (RG 638)	ICAR-AICRP on Groundnut, S.K.N. Agriculture University, Jobner, Distt. Jaipur (Rajasthan)	Rajasthan, Uttar Pradesh, Punjab and Haryana	Suitable for Kharif cultivation, Virginia Bunch, Average Pod yield: 3698 kg/ha; Kernel. Maturity: 121 days; Higher shelling percent (74%), Oil content: 49 %; 100 seed mass: 56g. Shown less incidence of collar rot (9.2%), tolerant to Leaf hoppers and thrips
	Visishta (TCGS 1694)	Regional Agricultural Research Station, Tirupati (Andhra Pradesh)	Andhra Pradesh	Suitable for rainfed and irrigated situation during kharif, rabi, early kharif. Maturity: 100-105 days (Kharif); 105-110 days (Rabi) Shelling percent: 72-75% Oil content: 50% 100 seed mass: 40-45g Tolerant to foliar diseases viz., leaf spots, rust. Kharif: Pod yield: 2489 kg/ha Kernel yield: 1657 kg/ha. Early kharif: Pod yield: 2975 kg/ha Kernel yield: 2045 kg/ha. Rabi: Pod yield: 2495 kg/ha. Kernel yield : 1688 kg/ha
	Gujarat Groundnut 37 (Sorath Gaurav) GG 37	Junagadh Agricultural University Junagadh (Gujarat)	Gujarat	Suitable for summer/ irrigated situation. Higher kernel and oil (1148 kg/ha) yields. Spanish bunch. Maturity: 112 days; Higher shelling percent (73%) Oil content : 48.86 %, 100 seed mass: 38.41g
	Gujarat Groundnut 38 (Sorath Navin)	Main Oilseed Research Station, Junagadh Agricultural University Junagadh (Gujarat)	Gujarat	Suitable for Kharif/rainfed situation. Oil Yield: 1050 kg/ha; Maturity : 106 days, Spanish bunch. Shelling percent (72.35%). Oil content: 48.91 % ; 100 seed mass: 39.50g
	Improved JL 24 (DBG 3)	College of Agriculture, Dharwad University of Agricultural Sciences, Dharwad (Karnataka)	Karnataka	Suitable for Kharif/Rainfed. Developed using MABC from JL 24. Spanish bunch. Resistant to LLS. Yield advantage of ~30% over JL 24 recurrent parent. Maturity :95-100 days.
	Super TMV 2 (DBG 4)	Department of Biotechnology, College of Agriculture, Dharwad University of Agricultural Sciences, Dharwad (Karnataka)	Karnataka	Suitable for Kharif/ Rainfed, developed using MABC from TMV 2. Spanish bunch. Resistant to LLS (4). Yield advantage of ~31% over TMV 2 recurrent parent. Matures 4-5 days earlier than TMV 2. Maturity :100- 105 days.

Crop	Variety	Developed by	Recommended Zone	Salient features
Sesame	JCS 3202 (Telangana Til-1)	Regional Agricultural Research Station, Jagtial PTSU, Hyderabad (Telangana)	Maharashtra, Karnataka and Telangana	Suitable for summer cultivation, oil content 44.2 %, maturity 91-95 days, moderately resistant to <i>Macrophomina</i> stem and root rot, <i>Alternaria</i> leaf spot, <i>Cercospora</i> leaf spot and phyllody
	VR1-4	Tamil Nadu Agricultural University, Coimbatore (Tamil Nadu)	Maharashtra, Telangana, Karnataka, Bihar, Madhya Pradesh, Odisha, Andhra Pradesh, West Bengal and Tamil Nadu	Suitable for <i>Rabi</i> /summer season cultivation, oil yield 380 kg/ha, maturity 85-90 days, resistant to phyllody and <i>Cercospora</i> leaf spot diseases and moderately resistant to powdery mildew, <i>Alternaria</i> leaf spot and dry root rot diseases
	AAU SHL TIL1	Regional Agricultural Research Station, Shillongani, Nagaon; Assam Agricultural University, Jorhat (Assam)	Assam	Suitable for Summer season in Assam under rainfed condition, oil content 46-49 %, maturity 80-85 days, resistant to <i>Phytophthora</i> blight and phyllody, resistant to leaf webber and moderately resistant to capsule borer
	PCUS-18-1 (Unnat Rama)	Project Coordinating Unit Sesame and Niger; Jawaharlal Krishi Vishwavidyalaya, Jabalpur (Madhya Pradesh)	Madhya Pradesh, Bihar, Andhra Pradesh, West Bengal, Odisha and Tamil Nadu	Suitable for <i>Rabi</i> summer cultivation under irrigated in both high and low fertility conditions, oil content 46.35%, days to maturity 86-90, moderately resistant to <i>Macrophomina</i> stem and root rot and <i>Alternaria</i> leaf spot, <i>Cercospora</i> leaf spot, moderately resistant to leaf wanner, capsule borer, leaf hopper and mirid bug
Niger	JNS 2016-1413 Moisture	All India Coordinated Research Project On Niger, Chhindwara Jawaharlal Krishi Vishwavidyalaya, Jabalpur (Madhya Pradesh)	Chhattisgarh and Jharkhand	Suitable for <i>Kharif</i> season, yield 630.4 kg/ha, oil content 39.5%, maturity 95 days, escape of problem of moisture scarcity, tolerant to <i>Cercospora</i> , <i>Alternaria</i> leaf spot, powdery mildew, Niger caterpillar, white fly and leaf hopper
	GNNIG-4 (Kasturi) NMBP-1907	Niger Research Station, NAU, Varanasi Tal. Vansda Dist. Navsari (Gujarat)	Gujarat	Suitable for <i>Kharif</i> / Late <i>kharif</i> season, bold seeded with seed yield 600 kg/ha and oil content: 37.7%, resistant to <i>Alternaria</i> and <i>Cercospora</i> leaf spot diseases, caterpillar and semi looper under field conditions.
Sunflower	KBSH-85	GKVK, University of Agricultural Sciences, Bangalore (Karnataka) and ICAR-Indian Institute of Oilseeds Research, Hyderabad (Telangana)	Gujarat, Maharashtra and Northern Karnataka, Andhra Pradesh, Southern Karnataka, Tamil Nadu and Telangana	Suitable for <i>Kharif</i> under both rainfed and irrigated timely sown condition, oil yield 662 kg/ha, oil content 36%, maturity 90-100 days, highly resistant to Downey mildew
	BLSFH-15004	Limagrain India Pvt. Ltd., Sikandrabad (Telangana)	Bihar, Haryana, Punjab, Odisha, Chhattisgarh,	Suitable for both <i>Kharif</i> and <i>Rabi</i> seasons under irrigated condition, oil yield 738 kg/ha, oil content 37.8%, maturity 95-100 days, highly

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Sunflower			Maharashtra, Karnataka and Telangana	resistant to Downey mildew and moderately resistant to Alternaria and Powdery mildew
	Arko Provo (WBSH-2021)	Joint Director of Agriculture (Pulses) and oilseeds Research Station Berhampore (West Bengal)	West Bengal	Suitable for irrigated condition during Rabi/ Summer season of West Bengal and also suitable for irrigated ecosystem of zone III, maturity 105-110 days, oil content 38.5%, resistant to leaf curl, collar rot and moderately resistant to alternaria leaf spot, powdery mildew and downy mildew
	RSFH-700	University of Agricultural Sciences, Raichur (Karnataka)	Karnataka	Suitable for rainfed/ irrigated condition, maturity 90-95 days, high oil content resistant, resistant to Powdery Mildew and Necrosis, resistant to lodging
Taramira	Krishna Tara (RTM-1624)	SKN Agriculture University, Jobner (Rajasthan)	Rajasthan	Suitable for rainfed, <i>Rabi</i> , arid and semi-arid region with optimum fertility level, oil content 39-39.8%, maturity 139 days, fairly tolerant to moisture stress, resistance to white rust and stage head and moderately resistance to downy and powdery mildew and less infestation of mustard aphid
Linseed	Varsha Alsi 2 (RLC-171)	All India Coordinated Research Project On Linseed, Indira Gandhi Krishi Vishwavidyalaya, Raipur (Chhattisgarh)	Himachal Pradesh, Jammu and Kashmir, Punjab, Jharkhand, Uttar Pradesh, Assam, Bihar and Nagaland	Suitable for rainfed situation in Rabi season, i.e., Rice based cropping ecosystem
Safflower	PBNS-184	Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani (Maharashtra)	Maharashtra, Andhra Pradesh & Telangana	Suitable for rainfed and irrigated condition in Zone- I, oil content 31.3 %, maturity 120-123 days, moderately resistant to <i>Fusarium</i> wilt and tolerant to <i>Alternaria</i> leaf spot, moderately tolerant to aphid pest
Green gram/ Mung bean	RUPOHI (SGC 16 (AAU SGC 16)	Regional agricultural Research Station, Assam Agricultural University, Shillongani, Nagaon (Assam)	Assam	Suitable for kharif season and rainfed condition, yield 12-13 q/ha, protein content (%) 24.5 maturity 65-68 days, resistant to CLS and MYMV, moderately resistant to pod borer, leaf roller and aphids
	Gujarat Anand Mungbean 8 (GAM 8: Hara Moti)	Anand Agricultural University Anand (Gujarat)	Gujarat	Suitable for summer season, protein 25.86%, maturity 65-70, resistance against MYMV, powdery mildew, ULCV and anthracnose & moderately resistance to CLS, web blight and macrophomina blight, it is also moderately resistant to whitefly, defoliators and pod borer.

Crop	Variety	Developed by	Recommended Zone	Salient features
Green gram/ Mung bean	JAUM 0936	Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu (Jammu & Kashmir)	Jammu province of UT of Jammu & Kashmir	Suitable for Jammu province of J&K, protein content of 23.35%, maturity 60-62 days, resistant to YMV, LCV and pod borer
	Shalimar Moong -3	Dryland Agriculture Research Station, Rangreth; Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir(Jammu & Kashmir)	UT of Jammu & Kashmir	Suitable for Kashmir valley, maturity 100-110 days, resistant to cowpea mosaic virus, moderately resistant to cercospora leaf spot, moderately resistant to aphid
	VBN 5 (VGG 15 013)	National Pulses Research Centre, Pudukkottai; Tamil Nadu Agricultural University, Coimbatore (Tamil Nadu)	Tamil Nadu	Suitable for all seasons, maturity 70-75 days, resistant to mungbean yellow mosaic virus and urdbean leaf crinkle virus diseases.
	Lam Pesara 574 (LGG 574)	ANGRAU Regional Agricultural Research Station Lam, Guntur (Andhra Pradesh)	Andhra Pradesh	Suitable for <i>Rabi</i> season for both rice- fallows and upland conditions. This variety is tolerant to MYMV, Urdbean Leaf Crinkle Virus, Web blight and <i>Cercospora</i> leaf spot disease.
	Lam Pesara 607 (LGG 607)	ANGRAU, Regional Agricultural Research Station Lam, Guntur (Andhra Pradesh.)	Andhra Pradesh	Suitable for <i>kharif</i> and <i>rabi</i> seasons for both rice- fallows and upland conditions. Resistant to MYMV and tolerant to other viral diseases, Urdbean Leaf Crinkle Virus & Leaf Curl Virus and fungal diseases, web blight, <i>Cercospora</i> leaf spot and powdery mildew.
Urd bean/ Black gram	TRCRM-147	Agricultural Research Station, Bidar, University of Agricultural Sciences, Raichur (Karnataka)	Karnataka	Suitable for summer cultivation. Average yield is 8-9 q/ha. Resistant to MYMV disease under field conditions.
	SHYAMAL (SBC 40 (AAU SBC 40)	Regional agricultural Research Station, Assam Agricultural University, Shillongani, Nagaon (Assam)	Assam	Suitable for kharif season under rainfed condition, yield 14-16 q/ha, protein content (25.2 %), maturity 75-80 days, resistant to cercospora leaf spot (CLS) and yellow mosaic virus (MYMV) diseases, moderately resistant to pod borer, aphids, leaf roller and store pests
	Gujarat AnandUrd bean 4 (GAU 4: Shyamal)	Research Scientist Pulse Research Station, Vadodara; Anand Agricultural University, Anand (Gujarat)	Gujarat	Suitable for kharif and summer season, yield kharif 10-11 q/ha, protein content (%) 24.66, maturity 80-85 days, resistant to yellow mosaic disease under natural field condition, sucking pests viz. whitefly, aphid, thrips and pod borer infestation was low
	Lam Minumu 884 (LGG 884)	ANGRAU, Regional Agricultural Research Station AICRP on MULLaRP Lam, Guntur (A.P.)	Andhra Pradesh	Suitable for Kharif, Rabi (Uplands) and Rice fallows Yield : 10-11 q/ha. Resistant to MYMV

Crop	Variety	Developed by	Recommended Zone	Salient features
Urd bean/ Black gram	Madhira Minumu-01 (MBG -1070)	PJTSAU, Agricultural Research Station, Madhira (Telangana)	Telangana	Suitable for Kharif, Rabi, and Summer. Resistance reaction to urd leaf crinkle virus, leaf curl virus, web blight, cercospora leaf spot, bacterial leaf spot, anthracnose MYMV, moderately resistant to alternaria leaf spot, moderately susceptible to powdery mildew.
	BDU-12	Agricultural Research Station, Bidar, University of Agricultural Sciences, Raichur (Karnataka)	Karnataka	Suitable for <i>kharif</i> season. Moderately resistant to powdery mildew disease under field conditions
	TRCRU-22	University of Agricultural Sciences, Raichur (Karnataka) and Nuclear Agriculture and Biotechnology Division, BARC, Mumbai (Maharashtra)	Karnataka	Suitable for summer season. Resistant to MYMV.
Pigeonpea/ Red Gram	Gujarat Tur 107 (GT 107; Banas Abhay) (SKNP 1608)	Pulses Research Station, S.D. Agricultural University, Sardarkrushinagar (Gujarat)	Gujarat	Suitable for rain fed/irrigated condition. Indeterminate, semi-spreading, matures in 160-165 days, bold seeded cream color seed, resistant to wilt disease.
	Gujarat Tur 108 (GT 108; Banas Ujjwal) (SKNP 1614)	Pulses Research Station, S.D. Agricultural University, Sardarkrushinagar (Gujarat)	Gujarat	Suitable for rain fed/irrigated condition. Indeterminate, semi-spreading, matures in 170-180 days, resistant to sterility mosaic disease.
	Phule Kaveri (Phule Tur-11-4)	ICAR-AICRP on Pulses, Mahatma Phule Krishi Vidyapeeth, Rahuri, Distt. Ahmednagar, (Maharashtra)	Tamil Nadu, Karnataka, Andhra Pradesh, Telangana and Odisha	Suitable for rain fed/irrigated condition. Indeterminate, spreading, yields about 1600 kg/ha, matures in 160-165 days, bold seeded light brown color seed, moderately resistant to sterility mosaic and wilt diseases.
	Phule Trupti (Phule Tur-10-1)	ICAR-AICRP on Pulses, Mahatma Phule Krishi Vidyapeeth, Rahuri, Distt. Ahmednagar (Maharashtra)	Maharashtra, Gujarat, Madhya Pradesh and Chhattisgarh	Suitable for rain fed/irrigated condition, Indeterminate, spreading, yields about 2200 kg/ha, matures in 165-175 days, bold seeded cream color seed, moderately resistant to wilt and sterility mosaic diseases, tolerant to pod borer and pod fly.
	Renuka (BDN 2013-2)	ICAR-AICRP on Pigeon pea, Agricultural Research Station, Badnapur, Distt. Jalna (Maharashtra)	Maharashtra, Gujarat, Madhya Pradesh, Rajasthan and Chhattisgarh	Suitable for rain fed/irrigated condition, Indeterminate, spreading, yields about 2000 kg/ha, matures in 165-170 days, moderately resistant to wilt and sterility mosaic diseases.
	PDKV Ashlesha (AKTM 1637)	AICRP on Pigeon pea, Pulses Research Unit, Dr. Panjabrao Deshmukhi Krishi Vidyapeeth, Krushinagar, Akola (Maharashtra)	Maharashtra, Madhya Pradesh, Gujarat and Chhattisgarh	Suitable for rain fed/irrigated condition. Indeterminate, spreading, yields about 1950 kg/ha, matures in 175-180 days, moderately resistant to wilt and sterility mosaic diseases.

Crop	Variety	Developed by	Recommended Zone	Salient features
Cowpea (Gram)	Phule Sonali	Pulses and Oilseed Crop Research and Training Centre, Pandharpur (MPKV), Distt. Solapur (Maharashtra)	Maharashtra	Suitable for Multiple Cropping Pattern in rain fed and irrigated conditions. It is resistant to dry root rot and moderately resistant to YMV. Dwarf, Erect growth with Determinate, non-trailing habit
Chickpea	Haryana Chana No. 6 (HC 6)	CCS Haryana Agricultural University, Hisar (Haryana)	Haryana	Suitable for timely and late sown condition, maturity 147 days, 100 seed weight 17.0 g, protein content 21.76 %
	Nandyal Gram 776 (NBcG 776)	AICRP on Chickpea, Regional Agricultural Research Station Nandval (Andhra Pradesh.)	Andhra Pradesh	Suitable for rainfed; timely sown, condition, 100 seed weight: 20.0g; Maturity: 90-105 days.
	Kanchan (IPCK 2009-145)	ICAR-Indian Institute of Pulses Research, Kanpur (Uttar Pradesh)	Uttar Pradesh	Suitable for Irrigated condition. Medium bold beige colour attractive seeds weighing 32.8 g per 100 seed, maturity: 135 days, moderate resistance against Wilt.
	Kuber (IPC 2010-142) (Desi Chickpea)	ICAR-Indian Institute of Pulses Research, Kanpur (Uttar Pradesh)	Uttar Pradesh	Suitable for Irrigated; Timely sown condition, 100 seed weight: 29.1g; Maturity: 136-139 days. Moderately resistant against Fusarium wilt.
	Shalimar Chickpea-2 (SKU/A-WCKP-101/RVSSG68)	SKUAST, Srinagar (Jammu and Kashmir) RV SKVV R A K College of Agricultural, Sehore (Madhya Pradesh)	Jammu and Kashmir	Suitable for rainfed/irrigated conditions. 100 seed weight: 20g, maturity: 99 days.
	Gujarat Kabuli Gram 1 (Sorath Kabuli 1) GJGK 1617	Pulses Research Station, Junagadh Agricultural University, (Gujarat)	Gujarat	Suitable for Irrigated condition. Bold seeded kabuli type with beige colour attractive seed with 100 seed weight of 42.2g. Maturity: 144 days, moderate resistance against Wilt.
	L 558 (GLK 17301)	Deptt. of Plant Breeding and Genetics, Punjab Agricultural University, Ludhiana	Punjab, Haryana, North Rajasthan and plains of Uttarakhnad	Suitable for Irrigated condition. Average yield: 13.86 q/ha. Kabuli type with beige colour owl head shaped bold seeds with 100 seed weight 43.6g, maturity: 146 days.
	Pusa JG 16 (BGM 10221) (DTIL)	ICAR- Indian Agricultural Research Institute New Delhi	Madhya Pradesh, Maharashtra, Gujarat, Chhattisgarh, Southern Rajasthan, and Bundelkhand region of Uttar Pradesh	Suitable for timely sown rainfed conditions, Marker Assisted Backcross Breeding derived drought tolerant variety with <i>Hoisplot</i> QTL from ICC 4958. 100 seed weight: 24.9 g, maturity 111 days, moderately resistant to <i>Fusarium</i> wilt.

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Lentil	Bidhan Lentil 16	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia (West Bengal)	West Bengal	Suitable for old and new Alluvial zones of West Bengal, as well as for Bankura, Birbhum, Purulia, West Midnapur and in areas of P (Phosphate) deficient soils, this variety is recommended as <i>Rabi</i> pulse and also suitable for vast rice fallow due to its heat tolerance ability, maturity 109-132 days
Rajmash/ French Bean	Shalimar Rajmash-4 (SKAU-WB- 341))	SKUAST-Kashmir, Sopore, (Jammu and Kashmir)	Jammu and Kashmir	Suitable for maize intercropping based farming systems with an additional feature of disease tolerance. Average yield: 12-13 q/ha, high yielding.
	Shalimar Rajmash-3 (SKAU-WB-1634)	SKUAST-Kashmir, Sopore (Jammu and Kashmir)	Jammu and Kashmir	Suitable for maize intercropping based farming systems, tolerant to moisture stress, high yielding, BCMV resistant, easy to cook semi pole Rajmash variety
Cotton	PA 837	Cotton Research Station, Mahboob Baugh Farm; Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani (Maharashtra)	Andhra Pradesh, Telangana, Karnataka and Tamil Nadu (Rainfed condition)	Suitable for rainfed condition, maturity 150-160 days, tolerant to bacterial blight and alternaria leaf spot, tolerant to sucking pests long linted arboretum, superior fibre length, strength and spinning counts
	KR-136	Shakti Vardhak Hybrid Seeds Pvt. Ltd., Hisar (Haryana)	Haryana, Rajasthan and Punjab (Irrigated conditions) No DNA finger printing and IC no provided	Suitable for irrigated, maturity 160-165 days, resistant to fungal foliar disease and BLB, non-spinnable desi Hybrid
	LHDP Cotton-5	Regional Agricultural Research Station, Lam, Acharya N.G. Ranga Agricultural University, Guntur (Andhra Pradesh)	Telangana, Andhra Pradesh, Karnataka and Tamil Nadu (Irrigated condition) No DNA finger printing and IC no provided	Suitable for irrigated, maturity 140-150 days, moderately tolerant to BLB and ALS, tolerant to sucking pests, compact variety suitable for HDPS
	GISV 312 GN.Cot.44	Main Cotton Research Station Athwa Farm, Surat; Navsari Agricultural University, Navsari (Gujarat)	Maharashtra, Madhya Pradesh and Gujarat (Irrigated conditions) NO IC no provided	Suitable for rainfed, maturity 160-180 days, resistant to BLB, and ALS, moderately resistant to GM tolerant to sucking pests, compact variety suitable for HDPS
	PBH 115	Punjab Agricultural University, Ludhiana (Punjab)	Punjab, Haryana and Rajasthan (Irrigated conditions) NO IC no provided	Suitable for irrigated, maturity 160-165 days, moderately resistant to CLCuD, resistant to FFLS, BLB, tolerant to jassids, compact variety suitable for HDPS
	CICR-A Cotton 56 (CNA1031)	ICAR-Central Institute for Cotton Research, Nagpur (Maharashtra)	Maharashtra, Gujarat, Madhya Pradesh and Odisha (Rainfed conditions)	Suitable for rainfed, maturity 150-160 days, tolerant to lodging, good locule retention

Crop	Variety	Developed by	Recommended Zone	Salient features
Cotton	CICR-A NC Cotton 57 (CNA 1091)	ICAR-Central Institute for Cotton Research, Nagpur (Maharashtra)	Telangana, Andhra Pradesh, Karnataka and Tamil Nadu (Rainfed conditions)	Suitable for rainfed, yield 12.43 q/ha, maturity 150-160 days, tolerant to lodging, good locule retention, naturally colored cotton
	CICR-H NC Cotton 58 (CNH 17395)	ICAR-Central Institute for Cotton Research, Nagpur (Maharashtra)	Karnataka, Telangana, Andhra Pradesh and Tamil Nadu, (Irrigated & Rainfed conditions)	Suitable for irrigated & rainfed, maturity 160-165 days, resistant to ALS, GM BLB and moderately resistant to CLS & rust naturally colored cotton
	CICR-A NC Cotton 59 (CNA17522)	ICAR-Central Institute for Cotton Research, Nagpur (Maharashtra)	Gujarat, Madhya Pradesh and Maharashtra (Irrigated conditions)	Suitable for rainfed, maturity 160-165 days, moderately resistant to lodging and shattering, naturally colored cotton
	CICR-H cotton 54 (Nano)	ICAR-Central Institute for Cotton Research, Coimbatore	Andhra Pradesh, Telangana, Karnataka & Tamil Nadu (Both Irrigated & Rainfed) and Maharashtra, Madhya Pradesh, Gujarat and Odisha (Irrigated conditions)	Suitable for irrigated / rainfed, maturity 130-140 days, resistant to BLB, ALS, MLS, rust, moderately resistant to GM and immune to root rot, compact variety suitable for HDPS
	SBSG 1-5 (SIMA Platinum)	SIMA Cotton Development & Research Association, Coimbatore (Tamil Nadu)	Gujarat, Maharashtra, Madhya Pradesh and Odisha (Irrigated conditions)	Suitable for irrigated, maturity 160-165 days, ELS variety
	Pushpa (Hy Cotton Daftari 2244 BG II)	Daftari Agro Biotech Pvt. Ltd., Nagpur	Maharashtra, Madhya Pradesh and Gujarat	Suitable for rainfed condition, Tolerance to sucking pests and diseases, Maturity: 140-160 days Yield: 1619 kg/ha Bt cotton hybrid
	ARCH 3106 BG II	Ankur Seeds Pvt. Ltd., Nagpur (Maharashtra)	Madhya Pradesh, Maharashtra and Gujarat	Suitable for irrigated condition, maturity: 165-175 days, Bt cotton hybrid
	Nandyal Cotton 25 (NDLH 2035-5)	ICAR-AICRP on Cotton, Regional Agricultural Research Station, (ANGRAU), Nandyal, Kumool (Andhra Pradesh)	Maharashtra, Madhya Pradesh, Odisha, South Rajasthan and Gujarat, Telangana, Andhra Pradesh, Karnataka and Tamil Nadu	Suitable for both Central and South zones of India. Tolerant to BLB, ALS and GM, Moderately tolerant to jassids. Ecology: Rainfed. Maturity: 160

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Bt Cotton Hybrids	VSCH-369 BG II	VEDA Seed Sciences Pvt. Ltd., Guntur (Andhra Pradesh)	Maharashtra, Madhya Pradesh, Gujarat, Telangana, Andhra Pradesh, Karnataka and Tamil Nadu (Irrigated conditions)	Suitable for irrigated / rainfed, BG II hybrid
	VSCH-234 BG II	VEDA Seed Sciences Pvt. Ltd., Guntur (Andhra Pradesh)	Telangana, Andhra Pradesh, Karnataka and Tamil Nadu (Rainfed conditions)	Suitable for rainfed condition, maturity 145-150 day, tolerance to lodging and shattering, BG II hybrid
	ARCH 3001 BGII	Ankur Seeds Pvt. Ltd., Nagpur (Maharashtra)	Madhya Pradesh, Maharashtra and Gujarat (Rainfed conditions)	Suitable for irrigated & rainfed condition, maturity 165 – 175 days, BG II hybrid
	ARCH 3106 BGII	Ankur Seeds Pvt. Ltd., Nagpur (Maharashtra)	Telangana, Andhra Pradesh, Karnataka and Tamil Nadu (Irrigated conditions)	Suitable for irrigated condition, maturity 160-170 days, BG II hybrid
	Panchaganga ZCH 1439 BG II Pradhan	Panchaganga Seeds Pvt. Ltd, Aurangabad (Maharashtra)	Maharashtra, Madhya Pradesh and Gujarat (Irrigated conditions) No DNA finger printing and IC no	Suitable for irrigated condition, maturity 160 days, BG II hybrid
	SHIVA MC5444 BGII	Rallis India Ltd., Mumbai (Maharashtra)	Maharashtra, Gujarat and Madhya Pradesh (Irrigated conditions)	Suitable for irrigated condition, maturity 150-165 days, BG II hybrid
	VRISHTI MC5441 BGII	Rallis India Ltd., Mumbai (Maharashtra)	Andhra Pradesh, Telangana, Karnataka, Tamil Nadu (Irrigated and rainfed conditions); Madhya Pradesh, Maharashtra and Gujarat (Irrigated conditions)	Suitable for irrigated / rainfed condition, 18.80 q/ha (R), maturity 150-165 days, BG II hybrid
	DAMAK MC5459 BGII	Rallis India Ltd., Mumbai (Maharashtra)	Madhya Pradesh, Maharashtra and Gujarat (Rainfed conditions)	Suitable for rainfed condition, maturity 150-160 days, BG II hybrid
	RCH960 BG II	Rasi Seeds Pvt Ltd, Salem (Tamilnadu)	Punjab, Haryana, Rajasthan, Andhra Pradesh, Telangana, Karnataka and Tamil Nadu (Irrigated conditions)	Suitable for irrigated condition, maturity 160-170 days, BG II hybrid

Crop	Variety	Developed by	Recommended Zone	Salient features
Bt Cotton Hybrids	RCH971 BG II	Rasi Seeds Pvt Ltd, Salem (Tamil Nadu)	Maharashtra, Madhya Pradesh, Gujarat Andhra Pradesh, Telangana, Karnataka and Tamil Nadu (Irrigated conditions)	Suitable for irrigated condition, yield 19.13 q/ha (CZ); 24.68 q/ha (SZ), maturity 150-160 days, BG II Hybrid
	KCH 9323 BG II	Kaveri Seed Company Limited, Secunderabad (Telangana)	Haryana, Punjab and Rajasthan (Irrigated conditions)	Suitable for irrigated conditions of north zone states of Punjab, Haryana and Rajasthan, yield 3610 kg/ha, maturity 160-170 days, BG II hybrid, highly resistant to CLCuD
	KCH 9292 BG II	Kaveri Seed Company Limited, Secunderabad (Telangana)	Andhra Pradesh, Karnataka, Tamil Nadu, Telangana, Maharashtra, Gujarat and Madhya Pradesh (Irrigated conditions)	Suitable for irrigated conditions of both central and south zone states, yield 2090 kg/ha (CZ); 2603 kg/ha (SZ), maturity 160-165 days, BG II hybrid resistant to bacterial leaf blight, alternaria leafspot, grey mildew
	NBC 2020 BGII	Nath Bio-Genes (I) Ltd., Aurangabad, (Maharashtra)	Maharashtra, Gujarat and Madhya Pradesh (Irrigated conditions)	Suitable for irrigated condition, maturity 140-150 days, BG II hybrid
	ACH-909-2 BG II	Ajeet Seeds Pvt. Ltd., Hyderabad (Telangana)	Maharashtra, Gujarat and Madhya Pradesh Gujarat (Rainfed conditions)	Suitable for rainfed condition, maturity 145-155 days, BG II hybrid
	ACH-52-2 BG II	Ajeet Seeds Pvt. Ltd., Hyderabad (Telangana)	Telangana, Andhra Pradesh, Karnataka and Tamil Nadu (Irrigated conditions)	Suitable for irrigated condition, maturity 150-160 days, BG II hybrid
	Mahabeej-124 BGII	Maharashtra State Seeds Corporation Ltd., Akola (Maharashtra)	Maharashtra No DNA finger printing and IC no	Suitable for rainfed condition, maturity 150-160 days, BG II hybrid
	ATCH- 118 BG II	Agri Top Seeds Pvt. Ltd., Ahmadabad (Gujarat)	Maharashtra, Gujarat and Madhya Pradesh (Irrigated conditions)	Suitable for irrigated condition, maturity 150-160 days, BG II hybrid
	KCH 9333 BG II	Kaveri Seed Company Limited, Secunderabad (Telangana)	Maharashtra, Gujarat and Madhya Pradesh (Irrigated conditions)	Suitable for irrigated condition, maturity 160-170 days, BG II hybrid

Crop	Variety	Developed by	Recommended Zone	Salient features
Bt Cotton Hybrids	GBCH-1801 BG II	Green Gold Seeds Pvt. Ltd., Aurangabad (Maharashtra)	Maharashtra, Gujarat and Madhya Pradesh (Irrigated and rainfed conditions); Andhra Pradesh, Telangana, Karnataka & Tamil Nadu, Gujarat (Rainfed conditions)	Suitable for irrigated and rainfed condition, 16.39 q/ha (R), maturity 140-165 days, BG II hybrid
	US 704 BG II	Seeds work International Pvt. Ltd., Hyderabad (Telangana)	Andhra Pradesh, Karnataka, Telangana, Tamil Nadu, Maharashtra, Gujarat and Madhya Pradesh (Irrigated and rainfed conditions)	Suitable for irrigated and rainfed condition, yield 21.44 q/ha (C-I); 18.12 q/ha (C-R); 24.69 q/ha (S-I); 19.88 q/ha (S-R), maturity 160-165, BG II hybrid
	NEO 1656 BG II	Neo Seeds India Private Limited, Hyderabad (Telangana)	Maharashtra, Madhya Pradesh and Gujarat (Rainfed conditions)	Suitable for rainfed condition, maturity 145-150 days, BG II hybrid
	CICR- H Bt Cotton 60 (Yogank Bt (CICR-183059-5)	ICAR-Central Institute for Cotton Research, Nagpur (Maharashtra)	Maharashtra, Madhya Pradesh and Gujarat (Rainfed conditions)	Suitable for rainfed condition, maturity 140-150 days
	CICR- H Bt Cotton 61 (Tejas Bt (Bt- 183059-4)	ICAR-Central Institute for Cotton Research, Nagpur (Maharashtra)	Maharashtra, Madhya Pradesh and Gujarat (Rainfed conditions)	Suitable for rainfed condition, maturity 140-150 days
	CICR- H Bt Cotton 62 Namami (CICR 19-32 BT)	ICAR-Central Institute for Cotton Research, Nagpur (Maharashtra)	Maharashtra, Madhya Pradesh and Gujarat (Rainfed conditions)	Suitable for rainfed condition, maturity 140-150 days
	CICR- H Bt Cotton 63 (Samart Bt (CICR-183059-2)	ICAR-Central Institute for Cotton Research, Nagpur (Maharashtra)	Karnataka, Tamil Nadu, Andhra Pradesh and Telangana (Rainfed conditions)	Suitable for rainfed condition, maturity 140-150 days
	Indam- 1634 BG II	Indo American Hybrid Seeds (I) Pvt Ltd, Bengaluru (Karnataka)	Andhra Pradesh, Karnataka and Tamil Nadu (Irrigated condition)	Suitable for irrigated condition, maturity 140-160 days, ELS HXB BG II hybrid
	GBCH-1801 BG II	Green Gold Seed Pvt. Ltd., Aurangabad (Maharashtra)	Karnataka, Andhra Pradesh, Telangana and Tamil Nadu	Suitable for rainfed condition, maturity: 140-165 days, Bt cotton hybrid
	Rocky (Hy. Cotton Daflari 3434 BG II)	Daflari Agro Biotech Pvt. Ltd., Nagpur (Maharashtra)	Maharashtra, Madhya Pradesh and Gujarat under irrigated condition	Suitable for irrigated condition, maturity: 130-150 days, Bt cotton hybrid

Crop	Variety	Developed by	Recommended Zone	Salient features
Bt Cotton Hybrids	C/IR B Cotton 55 (CCB 51-2)	ICAR - Central Institute for Cotton Research, Regional Station, Coimbatore (Tamil Nadu)	Andhra Pradesh, Telangana, Karnataka and Tamil Nadu	Suitable for irrigated condition. Moderately resistant to rust, maturity: 165-170 days, ELS Variety
	SP7686 BG II	Crystal Crop Protection Ltd. Wazirpur Industrial Area, Wazirpur, Delhi	Telangana, Andhra Pradesh, Karnataka and Tamil Nadu	Suitable for rainfed condition, maturity: 160-170 days, Bt cotton hybrid
	SP7674 BG II	Crystal Crop Protection Ltd. Wazirpur Industrial Area, Wazirpur, Delhi	Haryana, Punjab and Rajasthan	Suitable for irrigated condition, maturity: 160-170 days, Bt cotton hybrid
	SP7679BGII	Crystal Crop Protection Ltd. Wazirpur Industrial Area, Wazirpur, Delhi	Telangana, Karnataka, Andhra Pradesh and Tamil Nadu	Suitable for irrigated condition, maturity: 160-170 days, Bt cotton hybrid
	CCH-03 BG II (CCH-333 BGII)	Crystal Crop Protection Ltd. Wazirpur Industrial Area, Wazirpur, Delhi	Telangana and Andhra Pradesh	Suitable for rainfed condition, maturity: 150-160 days, Bt cotton hybrid
Jute	PAU Bt 5 (PBH Bt 21)	Punjab Agricultural University, Regional Research Station, Bathinda (Punjab)	Punjab, Haryana and Rajasthan under irrigated condition	Suitable for irrigated condition, maturity: 160-165 days, Bt cotton variety
	Bidhan Pat 13 (BCCO-13) Tossa jute	AINP/AF, Kalyani Centre, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West Bengal.	West Bengal	Suitable for upland and medium lands for sowing in mid-March to mid-April, fibre maturity 120 days, seed maturity 170-175 days, fine fibre variety (fineness - 2.96 tex)
Mesta (Kenaf)	JBMP 5 (Vibhav) (JRK-2016-5)	ICAR-Central Research Institute for Jute and Allied Fibres Barrackpore, Kolkata (West Bengal)	West Bengal, Bihar, Andhra Pradesh, Odisha, Maharashtra and North-Eastern States of India	Suitable for production of JDPs. A high yielding HC mesta variety with coppery red stem colour. It is tolerant to YVM and foot & stem rot diseases, and major insects like, semilooper, mealy bug and whitefly. It has better fibre quality in terms of less root content, defects, along with stronger and finer fibre. 2023 Gazette Notification No. SO 1056 (E) Dated 06.03.2023
Forage Pearl Millet	Telangana Fodder Bajra (TSFB 17-7)	Prof. Jaishankar Telangana State Agricultural University, Hyderabad (Telangana)	Tamil Nadu, Karnataka and Telangana	Suitable for rainfed in <i>Kharif</i> season and irrigated dry crop during summer seasons, green fodder yield 404.6 q/ha, maturity 110-120 days (seed to seed), crude protein content 10.5% and crude protein yield 9.3q/ha, ADF-48.7%, NDF-72.3%, IVDMD-15.9%, palatable and digestible, resistant to leaf blast, downy mildew, leaf defoliators

Agricultural Inputs

Crop	Variety	Developed by	Recommended Zone	Salient features
Forage Pearl Millet	Telangana Multicut Bajra (TSFB 18-1)	Prof. Jaishankar Telangana State Agricultural University, Hyderabad (Telangana)	Gujarat, Maharashtra and Madhya Pradesh	Suitable for irrigated dry crop during summer seasons in red soil with medium fertility and black soils, fodder yield 860 q/ha, maturity 110-120 days (seed to seed), crude protein content 10.5%, crude protein yield 9.5 q/ha, ADF-39.9%, NDF 66.6%, IVDMD-57.8, no incidence of insect and diseases were observed
	BAIF Bajra – 5	BAIF Development Research Foundation, Pune	Gujarat, Maharashtra and Madhya Pradesh	Suitable for irrigated areas of the Central Zone of India, fodder yield 882.16 q/ha, maturity 120-125 days (1st cut in 55-60 days, subsequent cut after 30 days of previous cut), no disease and pest were observed
	BAIF Bajra - 6	BAIF Development Research Foundation, Pune	Gujarat, Maharashtra and Madhya Pradesh	Suitable for irrigated areas of the Central Zone of India, fodder yield 909.94 q/ha, maturity 120-125 days (1st cut in 55-60 days and subsequent cut after 30 days of previous cut), no disease and pest were observed
	Milkon (Dev 1)	Crystal Crop Protection Ltd, Delhi	Tamil Nadu, Telangana, Andhra Pradesh and Karnataka	Suitable for kharif season timely sown, rainfed situation, single cut system. has good tillering ability and high biomass yield with stay green foliage, tolerant to major pest and disease. GFY 421 q/ha DMY 88 q/ha CP% - 9% In vitro dry matter digestibility – 53%
Forage Maize	BAIF Bajra-7	BAIF Development Research Foundation, Central Research Station, Urulikanchan Pune Maharashtra	Tamil Nadu, Telangana, Andhra Pradesh and Karnataka	Suitable for kharif season timely sown, rainfed situation under single cut management, high biomass yield Moderately resistant to leaf blight GFY 409 q/ha DMY 82.0 q/ha Seed yield – 11.0q/ha CP% - 10.1%
	Shalimar Fodder Maize-1 (KDFM -1)	SKUAST-K, Srinagar, J&K	Union territory of Jammu & Kashmir	In vitro dry matter digestibility – 51% Suitable for rainfed maize growing areas of J&K upto 2200metres above mean sea level (MAMSL), maturity 75-80 days (green fodder), 125-130 days (seed), tolerant to moisture stress, high crude protein and Lower ADF, NDF, resistant to MLB, TLB
Forage Sorghum	CSH 46MF (Fat Boy)	Malleshwara Agro Services Private Limited, Ballari, Karnataka ICAR-Indian Institute of Millets Research, Hyderabad (Telangana)	Gujarat, Haryana, Punjab, Uttarakhand, Uttar Pradesh, and Rajasthan	Suitable for irrigated summer & Kharif, maturity (seed to seed) 110-120 days, high protein content (7.9%), high digestibility (51%) with low HCN, moderately resistant to foliar diseases, stem borer

Crop	Variety	Developed by	Recommended Zone	Salient features
Forage Sorghm	SL-45 (SCL 1)	Punjab Agricultural University, Ludhiana (Punjab)	Punjab	Suitable for all fodder growing irrigated areas of Punjab. Resistant to red leaf spot and moderately resistant to zonate leaf spot diseases.
	Haryana Jowar Hybrid 1513 (HJH 1513) (SHH 1513) (SPH 1513)	CCS Haryana Agricultural University, Hisar (Haryana)	Haryana	Suitable under agro climatic conditions of Haryana for kharif season. Single-cut forage sorghum hybrid
	Haryana Jowar 1514 (HJ 1514) (SH 1514) (SPV 2951)	CCS Haryana Agricultural University, Hisar (Haryana)	Haryana	Suitable under agro climatic conditions of Haryana for kharif season. Single-cut forage sorghum variety
	CSV 53F (SPV 2705)	ICAR-AICRP on Sorghum, CCS Haryana Agricultural University, Hisar (Haryana)	Gujarat, Rajasthan, Punjab, Haryana, Uttarakhnad, Karnataka and Tamil Nadu	Suitable for Kharif. Tolerant to major foliar diseases. Single-cut forage sorghum variety Dry fodder yield (152.0 q/ha)
Forage Cowpea	IGFRI - DC - 215	ICAR-IGFRI Southern Regional Research Station, Opp. UAS Campus, Dharwad (Karnataka)	Karnataka	Suitable for Kharif season, rainfed condition. normal sown crop under single cut situation. Maturity 85-90 days seed to seed CP-15%, IVDMD 58%, moderately resistant to leaf rust and aphids
Fodder Oats	HFO 707	AICRP on Forage Crops, CCS Haryana Agricultural University, Hisar (Haryana)	Uttarakhand, Punjab, Haryana and Rajasthan	Suitable for timely sown, normal fertility and irrigated conditions, multicut, green fodder yield 696.1 q/ha, dry matter yield 134.8 q/ha, seed yield 23.8 q/ha, maturity: first cut at 65 days after sowing and second cut at 50% flowering (50-60 days after first cut), 150-160 days seed to seed maturity in days, moderately resistant against <i>Helminthosporium</i> leaf spot
	HFO 806	AICRP on Forage Crops, CCS Haryana Agricultural University, Hisar (Haryana)	Himachal Pradesh, Uttarakhand, Jammu and Kashmir, Telangana, Tamil Nadu, Kerala, Karnataka and Andhra Pradesh	Suitable for timely sown, normal fertility and irrigated conditions, single cut, yield: South Zone - green fodder yield 376.4 q/ha, dry matter yield 83.9 q/ha, seed yield 9.5 q/ha; Hill Zone seed yield 23.9 q/ha, maturity - cut at 50% flowering viz. 75-80 days after sowing, seed to seed maturity 140 days, good in nutritional quality, moderately resistant against powdery mildew

Crop	Variety	Developed by	Recommended Zone	Salient features
Fodder Oats	OL 1874-1	---	Telangana, Tamil Nadu, Kerala, Andhra Pradesh and Karnataka	Suitable for irrigated <i>Rabi</i> season, single cut variety, green fodder yield 368 q/ha, dry matter yield 81.3 q/ha, maturity 154 days (seed to seed), crude protein 8.4%, moderately resistant to leaf blight
	Narendra Jaypee-1101 (NDO-1101)	Acharya Narendra Deva University of Agriculture and Technology Kumarganj, Ayodhya- (Uttar Pradesh)	Uttar Pradesh	Suitable for normal and salt affected soils of whole U.P. medium tall, erect, high tillering ability, dual purpose, irrigated, Resistant to alternaria blight and sclerotium root rot disease, resistant to aphids. Grain yield 12.2 q/ha. Maturity 130-140 days
Berseem	BL 45 (BM 12)	Punjab Agricultural University, Ludhiana (Punjab)	Jammu and Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Rajasthan, Uttar Pradesh, Maharashtra, Madhya Pradesh and Chhattisgarh	Suitable for irrigated timely sown <i>Rabi</i> season, multicut system, yield: NW zone - 821 q/ha (GFY), 114q/ha (DMY), 21.2 q/ha (CPY); Hill zone - 280q/ha (GFY), 48 q/ha (DMY), 9.4q/ha(CPY); Central zone - 612q/ha (GFY), 97q/ha (DMY), 15.6q/ha (CPY), maturity: (from seed to days to last cut) - 257 days; (from seed to seed) - 245 to 260 days, 17.1 % protein in fodder (in dry basis), 63.5% In vitro dry matter digestibility (IVDMD), highly responsive to phosphorus fertilizer, resistant to root rot, moderately resistant to stem rot, leaf spot and blight, resistant to <i>H. armigera</i>
	Bundel Berseem-7 (JHB-18-1)	ICAR-Indian Grassland and Fodder Research Institute, Jhansi (Uttar Pradesh)	Punjab, Haryana, Rajasthan, Union Territory Jammu and Kashmir, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Madhya Pradesh, Chhattisgarh and Maharashtra	Suitable for irrigated, timely sown <i>Rabi</i> , green forage yield (q/ha):825.0 (North-West zone), 630 (Central zone) and 300 (Hill zone), dry matter yield (q/ha): 114(North-West zone), 100(Central zone) and 50(Hill zone), maturity/70 days (seedling to seed maturity), moderately resistant to stem rot and resistant to root rot disease, resistant to <i>H. armigera</i>
	Bundel Berseem-8(JHB-18-2)	ICAR-Indian Grassland and Fodder Research Institute, Jhansi (Uttar Pradesh)	Punjab, Haryana, Rajasthan, UT of J&K, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Madhya Pradesh, Chhattisgarh and Maharashtra	Suitable for irrigated, timely sown <i>Rabi</i> condition, green forage yield (q/ha): 823 (North- West zone), 598 (Central zone) and 297 (Hill zone); dry matter yield (q/ha): 114 (North west zone), 97 (Central zone) and 51 (hill zone), maturity 185 days (seedling to seed), moderately resistant to stem rot and resistant to root rot disease, resistant to <i>H. armigera</i>

Crop	Variety	Developed by	Recommended Zone	Salient features
Sugarcane	Co 14012 (AVANI)	ICAR-Sugarcane Breeding Institute, Coimbatore (Tamil Nadu)	Tamil Nadu, Kerala, Interior Andhra Pradesh, Telangana, Karnataka, Gujarat, Maharashtra and Madhya Pradesh	Suitable for growing under medium and high fertile soils of Peninsular zone of India under irrigated condition, tolerant to drought, maturity mid-late (360 days), moderately resistant to red rot, resistance to smut and YLD, a non-flowering and good ratooner
	CoLk 15201 (lkshu-11)	ICAR-Indian Institute of Sugarcane Research, Lucknow (Uttar Pradesh)	Punjab, Haryana, Uttarakhnad, Rajasthan, Central and Western Parts of Uttar Pradesh	Suitable for irrigated condition, yield 93.92 t/ha, early maturity (300 days), moderately resistant to red rot and smut, non-lodging, non-flowing and better ratooning variety
	CoLk 15466 (lkshu-13)	ICAR-Indian Institute of Sugarcane Research, Lucknow (Uttar Pradesh)	Eastern Part of Uttar Pradesh, Bihar, Jharkhand, West Bengal and Assam	Suitable for normal condition, excellent performance under water logged condition, maturity early (300 days), moderately resistant to red rot and smut, non-lodging, non-flowing and better ratooning variety
	CoLk 15207 (lkshu-12)	ICAR-Indian Institute of Sugarcane Research, Lucknow (Uttar Pradesh)	Punjab, Haryana, Uttarakhnad, Rajasthan, Central and Western Parts of Uttar Pradesh	Suitable for irrigated condition, mid-late maturity (360 days), moderately resistant to red rot and smut, non-lodging, non-flowing and better ratooning variety
	Phule 11082 (CoM 11082)	Central Sugarcane Research Station Padegaon- Taluka- Phaltan, Dist- Satara (Maharashtra)	Maharashtra	Suitable for growing under medium and high fertile soil in peninsular zone under irrigated condition. This variety is a high cane and sugar yielding early maturing variety. This variety is least susceptible (LS) against early shoot borer; inter node borer, scale insects, Non lodging, Sparse and late flowering Cane yield: 98.91 t/ha. Reaction against red rot was moderately susceptible (MS) and the reaction against major insect-pest was highly susceptible (HS). CCS: 12.86 t/ha Sucrose: 18.60%

Note : N.R.: Not Reported, SZ: South Zone, CZ: Central Zone, NEPZ: North Eastern Plain Zone, NWPZ: North Western Plain Zone, PZ: Plain Zone

Source : Division of Crop Science, Indian Council of Agricultural Research, New Delhi

Table 2.4: List of horticultural varieties recommended for Release and Notification by the Sub-Committee in 2024

Name of crop	Variety	Recommended Area	Sponsoring Authority
Potato	Kufri Chipsona-5	Haryana, Uttarakhand, Uttar Pradesh, Madhya Pradesh, Gujarat, Rajasthan and Chhattisgarh	ICAR-Central Potato Research Institute, Shimla, Himachal Pradesh
	Kufri Bhaskar	Uttar Pradesh, Uttarakhand, Punjab, Haryana, Chhattisgarh, Rajasthan and Gujarat	ICAR-Central Potato Research Institute, Shimla, Himachal Pradesh
	Kufri Sukhyati	Punjab, Haryana, Western Uttar Pradesh, Plains of Uttarakhand, Uttar Pradesh, Madhya Pradesh, Gujarat, Rajasthan, Chhattisgarh, Eastern Uttar Pradesh, Bihar, Odisha, West Bengal and Assam	ICAR-Central Potato Research Institute, Shimla, Himachal Pradesh
	Kufri Jamunia	Haryana, Punjab, Uttar Pradesh, Uttarakhand Plains, Madhya Pradesh, Rajasthan, Chhattisgarh, Gujarat, Odisha, Assam, West Bengal and Bihar	ICAR-Central Potato Research Institute, Shimla, Himachal Pradesh
	Rajendra Sakarkand-7	Bihar	Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar
Tomato	Pusa Shakti	Chhattisgarh,	ICAR-Indian Agricultural Research Institute, New Delhi
	Pusa Tomato Hybrid-6	Odisha, Chhattisgarh, Telangana and Andhra Pradesh	ICAR-Indian Agricultural Research Institute, New Delhi
	TH-1214	Punjab, Uttar Pradesh, Bihar and Jharkhand	--
	Krishna Prabha Shaant	Karnataka	--
	OUAT Kalinga Tomato 1 (Gouri)	Odisha	Odisha University of Agriculture & Technology, Bhubaneswar, Odisha
	MABC-2 (Krishna Prabha Tunga)	Karnataka	--
	Krishna Prabha Baari	Karnataka	--
	Krishna Prabha Shalmala	Karnataka	--
	Pusa Cherry Tomato Hybrid-1	National Capital Territory of Delhi	ICAR-Indian Agricultural Research Institute, New Delhi
	PBNT-20	Maharashtra	--
Onion	Krishna Prabha Chitravathi	Karnataka	--

Name of crop	Variety	Recommended Area	Sponsoring Authority
Ridge gourd	Rajni	Chhattisgarh, Odisha, Andhra Pradesh and Telangana	--
	Arka Prasan	Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
Sponge gourd	VNR Anita	Karnataka, Tamil Nadu, Kerala and Puducherry	--
	Ken Swadisht	Uttar Pradesh	--
Bitter gourd	Pusa Protected	National Capital Territory of Delhi	ICAR-Indian Agricultural Research Institute, New Delhi
	Bitter Gourd-2	Uttar Pradesh, Bihar, Jharkhand and Punjab	ICAR-Indian Institute of Vegetable Research, Varanasi, Uttar Pradesh
	Kashi Shubhara	Bihar, Jharkhand, Punjab and Uttar Pradesh	Acharya Narendra Deva University of Agriculture And Technology, Kumarganj, Ayodhya, Uttar Pradesh
	Narendra Sita	Himachal Pradesh, Jammu and Kashmir, Uttarakhand, Karnataka, Kerala, Pondicherry and Tamil Nadu	Acharya Narendra Deva University of Agriculture And Technology, Kumarganj, Ayodhya, Uttar Pradesh
Brinjal	Narendra Kamna	Himachal Pradesh, Jammu and Kashmir, Uttarakhand, Karnataka, Kerala, Pondicherry and Tamil Nadu	Odisha University of Agriculture & Technology, Bhubaneswar, Odisha
	OUAT Kalinga Brinjal 1 (Banita) (BB-67)	Odisha, Chhattisgarh, Andhra Pradesh, Telangana, Kerala, Puducherry and Karnataka	Acharya Narendra Deva University of Agriculture And Technology, Kumarganj, Ayodhya, Uttar Pradesh
	NDB	Andaman & Nicobar, North East States, Bihar, Jharkhand, Punjab	--
	PBHL-56	and Uttar Pradesh	--
	PBSR-9322	Punjab, Uttar Pradesh, Bihar, Jharkhand, Rajasthan, Gujarat Haryana and Delhi	--
	Shalimar	Jammu and Kashmir, Himachal Pradesh, Uttarakhand, Sikkim, Meghalaya, Manipur, Nagaland, Mizoram, Tripura, Arunachal Pradesh, Andaman and Nicobar, Karnataka, Tamil Nadu, Kerala	--
	AKLB-9	and Pondicherry	--
	RC Manikhamen-1	Jammu and Kashmir	--
	Gujarat	Maharashtra	--
	Sabour Krishnakali	Manipur	Bihar Agricultural University, Bhagalpur, Bihar
	Sabour Sadabahar	Gujarat	Bihar Agricultural University, Bhagalpur, Bihar
	Pusa Chhota Baingan 1	Bihar	ICAR-Indian Agricultural Research Institute, New Delhi
Cucumber	Punjab Kheera Hybrid-11	Punjab	--

Agricultural Inputs

Name of crop	Variety	Recommended Area	Sponsoring Authority
Okra	AOL 12-52 Gujarat	Andhra Pradesh, Telangana, Chhattisgarh and Orissa	--
	Anand Okra 7 (GAO 7)		
	Gujarat Okra Hybrid 205 (Anand Kranti)	Gujarat	--
	Arka Nikita	Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
Indian bean	Punjab Lalima	Punjab	--
	Kashi Bounisem-207	Punjab, Uttar Pradesh, Bihar, Jharkhand, Rajasthan, Gujarat, Haryana and Delhi	ICAR-Indian Institute of Vegetable Research, Varanasi, Uttar Pradesh
French Bean	Lakshmi	Jammu and Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Uttar Pradesh, Bihar and Jharkhand	--
	Arka Arjun	Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
Yam bean	Rajendra Mishrakand-3	Bihar	Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar
	CO 15 lablab		
Dolichos Bean	Arka Krishna	Tamil Nadu	
	Arka Vistar	Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	OUAT Kalinga Dolichos bean 1 (Jaykrushna)	Odisha	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Krishna Prabha Sangama	Odisha	Odisha University of Agriculture & Technology, Bhubaneswar, Odisha
Cluster Bean	Phule Guar (RHRCB Sel. 10)	Karnataka	--
	Bisa Kamrenga-1	Maharashtra	Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra
Winged bean		Jharkhand	--
Arvi/ Taro	Rajendra Arvi-2	Bihar	--
Capsicum	Apporva	Karnataka	--
Drumstick	Bhagya	Karnataka	--
Carrot	Solan Shreshth	Punjab, Uttar Pradesh, Bihar, Jharkhand and Himachal Pradesh	--
	Krishna Prabha Vriddhi	Karnataka	--

Name of crop	Variety	Recommended Area	Sponsoring Authority
Radish	Him Palam Mooli-1	Himachal Pradesh, Jammu and Kashmir and Uttarakhand	--
	UHF R-12-1	Himachal Pradesh, Jammu and Kashmir and Uttarakhand	--
Garlic	Gujarat Garlic-8 (Sorath Mohini) (GG-8)	Gujarat	--
Ginger	Sabour Garlic-1	Bihar	--
	OUAT Kalinga Ginger 1 (Subhada) (VIE8-2)	Odisha	Odisha University of Agriculture & Technology, Bhubaneswar, Odisha
	OUATKalinga Ginger 2 (SOURABH) (VISI-2)	Odisha	Odisha University of Agriculture & Technology, Bhubaneswar, Odisha
	OUAT Kalinga Ginger 3 (Prayag) (PGS-121)	Odisha	Odisha University of Agriculture & Technology, Bhubaneswar, Odisha
Coriander	CO 5	Tamil Nadu	--
	Gujarat Coriander-4 (Sorath Sugandha)	Gujarat	--
	Krishnaprabha Varadevi 2	Karnataka	--
Pumpkin	PPH-1	Madhya Pradesh and Maharashtra	--
Jackfruit	Byrachandra	Karnataka	--
	GKVK Red Jack	Karnataka	--
	Jamun PKM 1	Tamil Nadu	--
Vegetable Soybean	Jackfruit PKM 2	Tamil Nadu	--
	Krishna Prabha Pinakini	Karnataka	--
Mustard	Narendra Sarso Sag-1	Uttar Pradesh	--
Elephant foot yam	Elephant foot yam CO 1	Tamil Nadu	--

Agricultural Inputs

Name of crop	Variety	Recommended Area	Sponsoring Authority
Coconut	Kalpa Shatabdi	Kerala, Karnataka and Tamil Nadu	ICAR-Central Plantation Crops Research Institute, Kasaragod, Kerala
	Dweep Haritha	Andaman and Nicobar Islands and Kerala	ICAR-Central Island Agricultural Research Institute, Port Blair, Andaman & Nicobar Islands
	Dweep Sona	Andaman and Nicobar Islands and Kerala	ICAR-Central Island Agricultural Research Institute, Port Blair, Andaman & Nicobar Islands
Walnut	Kalpa Suvama	Karnataka and Kerala	ICAR-Central Plantation Crops Research Institute, Kasaragod, Kerala
	Parbat	Jammu and Kashmir	--
	Shalimar Walnut-001	Jammu and Kashmir	--
	Shalimar Walnut-002	Jammu and Kashmir	--
Cashew	Goa Cashew-5	Goa	--
	Goa Cashew-6	Goa	--
	Nethra Ubhaya	Karnataka	ICAR-Directorate of Cashew Research, Puttur, Karnataka
Nutmeg	Nethra Jumbo-1	Karnataka	ICAR-Directorate of Cashew Research, Puttur, Karnataka
	Nethra Ganga	Karnataka	ICAR-Directorate of Cashew Research, Puttur, Karnataka
	Goa Jayphal-1	Goa	--
	Goa Jayphal-2	Goa	--
	Konkan Sanyukta	Maharashtra	--
	Kerala Shree	Kerala, Tamil Nadu, and other nutmeg growing areas of India	--
Chilli	Ruby Deep	Karnataka Zone- 2 and 3	--
	Shalimar Kashmiri Chilli-1	Jammu and Kashmir	--
	Gujarat Vegetable Chilli 113 (GVC 113: Anand Jwala)	Gujarat	--
	OUAT Kalinga Chilli 1 (Ragini)	Odisha	Odisha University of Agriculture & Technology, Bhubaneswar, Odisha
	KrishnaPrabha Rudra	Karnataka	--
	KrishnaPrabha Shuka	Karnataka	--
	UARCH 43 (Vitthal)	Karnataka	--
	PBNC-17	Maharashtra	--

Name of crop	Variety	Recommended Area	Sponsoring Authority
Fenugreek	Krishnapraba Devimenthi	Karnataka	--
	GM-4 (Supriya)	Gujarat	--
Turneric	Chhattisgarh Haldi-2	Chhattisgarh	Acharya Narendra Deva University of Agriculture And Technology, Kumarganj, Ayodhya, Uttar Pradesh
	Narendra Haldi-4	Uttar Pradesh	
	PDKV- Waigaon	Maharashtra	--
	OUAT Kalinga Turmeric 1 (Surangi)	Odisha	Odisha University of Agriculture & Technology, Bhubaneswar, Odisha
	OUAT Kalinga Turmeric 2 (Gourab) (PTS-55)	Odisha	Odisha University of Agriculture & Technology, Bhubaneswar, Odisha
Tamarind	KPT (Krishna Prabha Tamarind)	Karnataka	
	Shiwai	Maharashtra	
Cassia (Cinnamomum)	IISR Cassia (Konkan cassia)	Maharashtra, Kerala and Tamil Nadu	ICAR-Indian Institute of Spices Research, Kozhikode, Kerala
Cinnamon	Goa Dalchini-1	Goa	
Small Cardamom	IISR Manushree	Karnataka and Kerala	ICAR-Indian Institute of Spices Research, Kozhikode, Kerala
	IISR Kaveri	Karnataka	ICAR-Indian Institute of Spices Research, Kozhikode, Kerala
Ajwain	Gujarat Ajwain 3	Gujarat, Rajasthan, Haryana, Andhra Pradesh, Uttar Pradesh and Chhattisgarh	
Fennel	Karan Saunf-1	Rajasthan, Gujarat, Uttar Pradesh Bihar, Madhya Pradesh and Haryana	--
	RF-290	Rajasthan, Gujarat, Uttar Pradesh, Bihar and Haryana	--
Black Pepper	IISR Gimmunda	Kerala	ICAR-Indian Institute of Spices Research, Kozhikode, Kerala
	IISR Malabar Excel	Kerala	ICAR-Indian Institute of Spices Research, Kozhikode, Kerala
	IISR Thevann	Kerala	ICAR-Indian Institute of Spices Research, Kozhikode, Kerala
Cocoa	Vital Cocoa Hybrid-1	Kerala, Karnataka and Tamil Nadu	ICAR-Central Plantation Crops Research Institute, Kasaragod, Kerala
	Vital Cocoa Hybrid-2	Kerala, Karnataka, Tamil Nadu, Andhra Pradesh and Gujarat	ICAR-Central Plantation Crops Research Institute, Kasaragod, Kerala

Agricultural Inputs

Name of crop	Variety	Recommended Area	Sponsoring Authority
Watermelon	Thar Tripti	Madhya Pradesh, Maharashtra and Goa	ICAR-Central Institute for Arid Horticulture, Bikaner, Rajasthan
Mateera (Watermelon)	Thar Madhur (Mateera AHW-19)	Rajasthan	ICAR-Central Institute for Arid Horticulture, Bikaner, Rajasthan
	Thar Manak (Mateera F6/a)	Rajasthan	ICAR-Central Institute for Arid Horticulture, Bikaner, Rajasthan
	Gujarat Melon 2 (GM 2:Anand Sheetal)	Gujarat	--
Melon			
Snap Melon	Snap melon (AHS-82)	Rajasthan	--
Muskmelon	Thar Mahima	Rajasthan	--
Banana	Banana CO 3	Tamil Nadu	--
	Gujarat Banana 1 (GB1:Anand Vaaman)	Gujarat	--
Mango	Sunderja Selection-2	Madhya Pradesh	--
	Gujarat Mango 1 (Anand Rasraj)	Gujarat	--
	Cardozo Mankurad	Goa	--
Pomegranate	Arka Udaya	Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Arka Suprabhath	Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Ambika	Uttar Pradesh	ICAR-Central Institute for Subtropical Horticulture, Lucknow, Uttar Pradesh
	Arunika	Uttar Pradesh	ICAR-Central Institute for Subtropical Horticulture, Lucknow, Uttar Pradesh
	Solapur Lal	Maharashtra	ICAR-National Research Centre on Pomegranate, Sholapur, Maharashtra
Guava	Solapur Anardana	Maharashtra	ICAR-National Research Centre on Pomegranate, Sholapur, Maharashtra
	Arka Kiran	Tamil Nadu, Andhra Pradesh and Maharashtra	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Arka Poorva	Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Arka Rashmi	Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Lalit	Uttar Pradesh	ICAR-Central Institute for Subtropical Horticulture, Lucknow, Uttar Pradesh
	Shweta	Uttar Pradesh	ICAR-Central Institute for Subtropical Horticulture, Lucknow, Uttar Pradesh
	Dhareedar	Madhya Pradesh	ICAR-Central Institute for Subtropical Horticulture, Lucknow, Uttar Pradesh
	Lal Bahadur	Gujarat	--
			--

Name of crop	Variety	Recommended Area	Sponsoring Authority
Jamun	Jamun PKM 1	Tamil Nadu	--
Bael	Swarna Vasudha	Jharkhand	ICAR-Research Complex for Eastern Region, Ranchi, Jharkhand
	Narendra Bael-8	Uttar Pradesh	Acharya Narendra Deva University of Agriculture And Technology, Kumarganj, Ayodhya, Uttar Pradesh
	Narendra Bael- 10	Uttar Pradesh	Acharya Narendra Deva University of Agriculture And Technology, Kumarganj, Ayodhya, Uttar Pradesh
	Narendra Bael-11	Uttar Pradesh	Acharya Narendra Deva University of Agriculture And Technology, Kumarganj, Ayodhya, Uttar Pradesh
	Narendra Aonla-25	Uttar Pradesh	Acharya Narendra Deva University of Agriculture And Technology, Kumarganj, Ayodhya, Uttar Pradesh
Aonla	Narendra Aonla-26	Uttar Pradesh	Acharya Narendra Deva University of Agriculture And Technology, Kumarganj, Ayodhya, Uttar Pradesh
Annona/ Custard Apple	Arka Sahan	Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
Crossandra	Arka Shrivya	Andhra Pradesh, Maharashtra and Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
Gladiolus	Punjab Glad-2	Uttarakhand, Punjab and Karnataka	--
	Arka Amar	Himachal Pradesh, Punjab, Jharkhand, Andhra Pradesh and Maharashtra	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Arka Pratham	West Bengal, Punjab, Rajasthan and Maharashtra	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Arka Kesar	Himachal Pradesh and Rajasthan and Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Arka Aayush	West Bengal, Punjab, Rajasthan and Maharashtra	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Arka Naveen	Punjab, Rajasthan, Bihar and Delhi	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Arka Amar	Karnataka	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Arka Manorama	Bihar	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
Marigold	Pusa Bahar		
Tuberose	Arka Prajwal	West Bengal, Assam, Punjab, Uttar Pradesh, Bihar, Rajasthan, Delhi, Maharashtra, Karnataka and Tamil Nadu	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka

Agricultural Inputs

Name of crop	Variety	Recommended Area	Sponsoring Authority
Tuberose	Arka Vaibhav	West Bengal, Assam, Punjab, Uttar Pradesh, Bihar, Rajasthan, Delhi, Maharashtra, Karnataka and Tamil Nadu	ICAR-Indian Institute of Horticultural Research, Bengaluru, Karnataka
	Bidhan Singdha (Bidhan Rajani-1 (BR-1))	West Bengal	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West Bengal
	Bidhan Ujjwal (Bidhan Rajani-2(BR-2))	West Bengal	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West Bengal
	Phule Rajat	Maharashtra	Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra
Aster	AAC-1 (Krishna Prabha Chinmaya)	Karnataka	--

Source: Division of Horticultural Science, Indian Council of Agricultural Research, New Delhi.

Table 2.5: All India consumption of plant nutrients per unit of gross cropped area during 1973-74 to 2023-24

Year	Gross cropped area (000' ha)	Consumption (kg) per hectare			
		N	P ₂ O ₅	K ₂ O	Total
1973-74	169,872	10.77	3.82	2.12	16.71
1974-75	164,191	10.75	2.87	2.05	15.67
1975-76	171,296	12.54	2.73	1.62	16.89
1976-77	167,334	14.68	3.79	1.91	20.38
1977-78	172,232	16.91	5.03	2.94	24.88
1978-79	174,802	19.56	6.33	3.38	29.27
1979-80	169,589	20.63	6.79	3.58	30.99
1980-81	172,630	21.31	7.03	3.61	31.95
1981-82	176,750	23.02	7.48	3.83	34.33
1982-83	172,748	24.56	8.29	4.20	37.06
1983-84	179,560	28.98	9.64	4.32	42.94
1984-85	176,330	31.11	10.70	4.76	46.57
1985-86	178,464	31.72	11.24	4.53	47.48
1986-87	176,405	32.40	11.78	4.82	49.01
1987-88	170,738	33.48	12.81	5.16	51.45
1988-89	182,277	39.78	14.93	5.86	60.57
1989-90	182,269	40.52	16.54	6.41	63.47
1990-91	185,742	43.06	17.34	7.15	67.55
1991-92	182,241	44.15	18.22	7.47	69.84
1992-93	185,618	45.40	15.32	4.76	65.48
1993-94	186,595	47.10	14.31	4.87	66.27
1994-95	188,053	50.56	15.59	5.98	72.13
1995-96	187,471	52.40	15.46	6.17	74.02
1996-97	189,502	54.36	15.71	5.43	75.50
1997-98	189,988	57.38	20.60	7.22	85.20
1998-99	191,649	59.24	21.46	6.95	87.65
1999-00	188,396	61.53	25.47	8.91	95.91
2000-01	185,340	58.92	22.74	8.46	90.12
2001-02	188,014	60.16	23.31	8.87	92.33
2002-03	173,889	60.23	23.11	9.21	92.55
2003-04	189,661	58.40	21.75	8.43	88.57
2004-05	191,103	61.30	24.20	10.78	96.27
2005-06	192,737	66.01	27.00	12.52	105.53
2006-07	192,381	71.59	28.81	12.14	112.54
2007-08	195,223	73.86	28.25	13.50	115.61
2008-09	195,328	77.26	33.31	16.96	127.53
2009-10	189,118	82.35	38.45	19.20	140.00
2010-11*	198,128	83.57	40.63	17.74	141.94
2011-12*	195,546	88.47	40.47	13.17	142.12
2012-13*	194,455	86.50	34.22	10.60	131.32
2013-14*	201,300	83.21	27.99	10.43	121.62
2014-15*	198,285	85.48	30.76	12.77	129.01
2015-16*	198,122	87.69	35.22	12.12	135.03
2016-17*	201,158	83.20	33.33	12.47	129.00
2017-18*	200,876	84.43	34.12	13.84	132.39
2018-19*	201,179	87.67	34.35	13.32	135.34
2019-20*	211,359	90.37	36.25	12.33	138.96
2020-21*	216,107	94.42	41.54	14.59	150.55
2021-22*	219,158	88.70	35.72	11.54	135.96
2022-23*	219,357	92.12	36.11	7.82	136.05
2023-24*	N.A.	93.26	37.87	8.56	139.69

Note : 1.*: Provisional, 2. Figures of consumption and gross cropped area refer to the same year, except last three years, where gross cropped area is for the year 2015-16, 3. N.A.: Not Available

Source : *Fertiliser Statistics 2023-24*, The Fertiliser Association of India, New Delhi.

Table 2.6: State-wise consumption of plant nutrients per unit of gross cropped area

(kg/ha)

Zone/State	2022-23				2023-24			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
EAST & NORTH EAST	91.50	36.90	14.80	143.30	92.30	37.90	14.80	145.10
Arunachal Pradesh	1.10	N.A.	N.A.	1.10	1.10	0.10	N.A.	1.30
Assam	44.10	12.20	7.10	63.50	46.60	13.20	6.80	66.70
Bihar	163.40	50.40	11.30	225.10	174.20	56.00	12.90	243.10
Jharkhand	112.50	38.50	3.70	154.70	132.00	42.40	2.50	177.00
Manipur	39.90	10.80	6.00	56.70	30.80	4.50	2.40	37.80
Meghalaya	N.A.	N.A.	N.A.	N.A.	5.80	1.20	N.A.	7.10
Mizoram	23.60	2.90	0.20	26.60	28.20	0.20	0.10	28.40
Nagaland	0.50	0.10	N.A.	0.50	0.80	0.00	0.00	0.80
Odisha	69.70	30.30	8.00	108.00	74.40	37.20	8.50	120.10
Tripura	19.80	9.40	3.30	32.50	14.80	8.70	3.10	26.70
West Bengal	85.30	48.00	28.50	161.90	74.40	42.90	27.50	144.70
NORTH	144.70	42.10	4.20	191.00	148.10	43.00	4.80	196.00
Haryana	157.20	43.20	3.60	204.10	167.40	45.00	3.80	216.20
Himachal Pradesh	43.80	12.30	9.10	65.20	39.90	11.30	7.90	59.10
Jammu & Kashmir	72.50	19.30	9.10	101.00	65.90	18.00	8.40	92.40
Punjab	179.50	44.40	3.50	227.40	186.80	44.70	4.30	235.80
Uttar Pradesh	138.60	43.30	4.20	186.10	139.50	44.60	5.00	189.10
Uttarakhand	112.70	31.30	4.00	148.10	124.00	27.20	5.90	157.10
Delhi	262.20	47.50	2.70	312.40	298.30	38.70	2070	339.60
SOUTH	106.40	48.40	14.70	169.50	102.90	48.50	15.80	167.20
Andhra Pradesh	158.90	81.40	22.00	262.30	153.10	79.20	23.10	255.30
Telangana	128.40	48.70	7.50	184.60	131.00	50.40	8.90	190.30
Karnataka	83.70	42.10	13.10	139.00	74.80	41.70	14.70	131.30
Kerala	29.30	11.60	20.50	61.40	27.70	12.50	20.30	60.40
Tamil Nadu	101.70	42.60	18.70	163.10	103.70	43.70	19.10	166.40
Puducherry	309.40	64.50	21.50	395.50	251.00	59.30	17.30	327.70
Andaman & Nicobar Islands	3.80	5.10	2.10	10.90	0.80	1.30	1.00	3.10
WEST	63.30	28.50	4.80	96.50	65.30	31.40	5.60	102.30
Gujarat	95.90	28.30	5.30	129.50	96.90	31.50	6.00	134.40
Madhya Pradesh	60.40	30.30	2.50	93.10	64.60	33.90	2.90	101.40
Chhattisgarh	82.90	37.80	6.20	126.90	92.50	47.80	7.20	147.50
Maharashtra	62.90	36.70	11.70	111.30	62.10	38.90	14.00	115.00
Rajasthan	46.90	17.50	0.40	64.80	48.10	18.90	0.50	67.50
Goa	8.70	6.10	4.40	19.20	9.30	5.50	4.40	19.20
Daman & Diu	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Dadra & Nagar Haveli	17.90	5.80	N.A.	23.70	10.50	6.00	N.A.	16.50
All India	92.10	36.10	7.80	136.10	93.30	37.90	8.60	139.70

Note : 1. Consumption of Plant Nutrients/ hectare have been worked out on the basis of gross cropped area available for the year 2022-23; 2. N.A.: Not Available

Source : *Fertiliser Statistics 2023-24*, The Fertiliser Association of India, New Delhi.

Table 2.7: All India production of straight nitrogenous fertilisers during 1980-81 to 2023-24 (April-March)

('000 t)

Year	Ammonium sulphate (20.6% N)	Ammonium sulphate nitrate (26% N)	Urea** (46%N)	Calcium ammonium nitrate (25% N)	Ammonium chloride (25% N)	Total	
						Nutrient* N (straight)	Product
1980-81	436.2	N.A.	3,384.2	347.4	18.9	1,758.7	4,186.7
1981-82	443.2	N.A.	5,384.3	403.8	18.9	2,673.8	6,250.3
1982-83	477.7	N.A.	6,019.9	290.0	37.2	2,938.8	6,824.8
1983-84	424.8	N.A.	6,073.8	326.4	61.6	2,973.5	6,886.6
1984-85	454.0	N.A.	6,687.9	409.2	77.2	3,291.7	7,629.0
1985-86	518.9	N.A.	7,467.3	381.1	103.8	3,663.1	8,471.1
1986-87	534.4	N.A.	9,576.6	389.5	92.3	4,635.8	10,592.8
1987-88	538.7	N.A.	9,834.8	421.3	87.2	4,763.7	10,882.0
1988-89	610.1	N.A.	11,867.1	480.2	96.7	5,728.8	13,054.1
1989-90	586.2	N.A.	12,486.0	425.2	79.9	5,990.6	13,577.3
1990-91	557.5	N.A.	12,835.9	435.9	78.8	6,148.0	13,908.1
1991-92	553.5	N.A.	12,831.3	446.3	112.5	6,156.1	13,943.6
1992-93	563.2	N.A.	13,125.9	545.5	122.2	6,320.9	14,356.8
1993-94	620.3	N.A.	13,150.2	666.2	131.4	6,376.3	14,568.1
1994-95	584.8	N.A.	14,137.1	571.9	136.5	6,800.6	15,430.3
1995-96	634.5	N.A.	15,805.6	491.1	138.9	7,558.8	17,070.1
1996-97	665.6	N.A.	15,628.7	388.5	122.1	7,454.0	16,804.9
1997-98	561.5	N.A.	18,594.5	437.7	110.4	8,806.1	19,704.1
1998-99	550.6	N.A.	19,292.2	466.4	63.4	9,120.3	20,372.6
1999-00	592.4	N.A.	19,807.7	318.2	87.5	9,335.0	20,805.8
2000-01	593.4	N.A.	19,623.8	246.5	102.4	9,236.4	20,566.1
2001-02	574.7	N.A.	19,003.1	180.7	81.5	8,925.4	19,840.0
2002-03	544.4	N.A.	18,621.2	173.3	78.9	8,740.9	19,417.8
2003-04	600.7	N.A.	19,038.3	141.2	77.8	8,936.1	19,858.0
2004-05	615.9	N.A.	20,239.2	184.4	82.4	9,503.6	21,121.9
2005-06	619.3	N.A.	20,085.1	172.8	79.8	9,429.9	20,957.0
2006-07	634.8	N.A.	20,271.2	144.3	74.4	9,510.2	21,124.7
2007-08	483.1	N.A.	19,838.8	134.6	N.A.	9,259.0	20,456.5
2008-09	554.8	N.A.	19,923.2	138.5	N.A.	9,313.6	20,616.5
2009-10	620.8	N.A.	21,120.7	102.7	N.A.	9,869.1	21,844.2
2010-11	637.0	N.A.	21,872.5	98.7	23.1	10,223.0	22,631.3
2011-12	595.4	N.A.	21,992.3	115.0	78.4	10,287.4	22,781.1
2012-13	573.2	N.A.	22,586.6	106.9	50.1	10,547.2	23,316.8
2013-14	624.1	N.A.	22,718.7	44.4	7.7	10,592.2	23,394.9
2014-15	581.5	N.A.	22,592.9	N.A.	40.4	10,522.5	23,214.8
2015-16	560.1	N.A.	24,461.3	N.A.	45.6	11,379.0	25,067.0
2016-17	623.3	N.A.	24,200.8	N.A.	40.8	11,272.8	24,873.9
2017-18	688.7	N.A.	24,026.0	N.A.	43.0	11,204.6	24,757.7
2018-19	658.4	N.A.	23,899.2	N.A.	52.2	11,142.3	24,609.8
2019-20	793.7	N.A.	24,455.2	N.A.	42.8	11,423.6	25,291.7
2020-21	847.9	N.A.	24,603.1	N.A.	17.7	11,496.5	25,468.7
2021-22	750.3	N.A.	25,075.7	N.A.	37.4	11,698.7	25,863.4
2022-23	857.9	N.A.	28,495.3	N.A.	55.4	13,298.4	29,408.6
2023-24	764.5	N.A.	31,408.5	N.A.	55.7	14,619.3	32,228.7

Note : 1. *: For agricultural purposes only, 2. **: Net production of saleable urea. Excludes urea used for manufacture of complex fertilisers, 3. N.A.: Not Available.

Source : *Fertiliser Statistics 2023-24*, The Fertiliser Association of India, New Delhi.

Table 2.8: All India production of straight phosphates during 1979-80 to 2023-24 (April-March)

('000 t)

Year	Single super phosphate of grade			Triple super phosphate of grade		Total	
	16 % W.S. P ₂ O ₅	Super phosphate other grades	Nutrient W.S. P ₂ O ₅	46 % W.S. P ₂ O ₅	Nutrient W.S. P ₂ O ₅	Nutrient P ₂ O ₅ (straight)	Product
1979-80	1,033.1	16.8 #	167.7	22.4	10.3	178.0	1,072.3
1980-81	1,085.0	22.1 #	176.7	41.5	20.0	196.7	1,150.8
1981-82	1,202.6	6.6 #	193.3	48.0	22.1	215.4	1,257.2
1982-83	1,320.6	N.A.	211.3	23.4	10.8	222.1	1,344.0
1983-84	1,491.7	N.A.	238.7	21.1	9.7	248.4	1,512.8
1984-85	1,898.3	N.A.	303.7	10.0	4.6	308.2	1,908.4
1985-86	2,136.1	N.A.	341.8	1.1	0.5	342.3	2,137.2
1986-87	2,006.1	N.A.	321.0	N.A.	N.A.	321.0	2,006.1
1987-88	2,483.5	N.A.	397.4	N.A.	N.A.	397.4	2,483.5
1988-89	2,944.7	N.A.	471.2	N.A.	N.A.	471.2	2,944.7
1989-90	3,137.8	N.A.	502.1	N.A.	N.A.	502.1	3,137.8
1990-91	3,650.3	N.A.	584.0	N.A.	N.A.	584.0	3,650.3
1991-92	2,984.8	N.A.	477.6	N.A.	N.A.	477.6	2,984.8
1992-93	2,329.3	N.A.	372.7	N.A.	N.A.	372.7	2,329.3
1993-94	2,257.2	N.A.	361.2	N.A.	N.A.	361.2	2,257.2
1994-95	3,010.9	13.7 #	483.7	N.A.	N.A.	483.7	3,024.6
1995-96	3,200.2	1.7 #	512.3	N.A.	N.A.	572.3	3,201.9
1996-97	3,187.0	N.A.	509.9	N.A.	N.A.	509.9	3,187.0
1997-98	3,832.5	N.A.	613.2	N.A.	N.A.	613.2	3,832.5
1998-99	3,816.1	N.A.	610.5	N.A.	N.A.	610.5	3,816.1
1999-00	3,532.7	N.A.	565.2	N.A.	N.A.	565.2	3,532.7
2000-01	2,742.2	N.A.	438.8	N.A.	N.A.	438.8	2,742.2
2001-02	2,504.6	N.A.	400.7	N.A.	N.A.	400.7	2,504.6
2002-03	2,407.7	N.A.	385.2	N.A.	N.A.	385.2	2,407.7
2003-04	2,543.4	N.A.	406.9	N.A.	N.A.	406.9	2,543.4
2004-05	2,461.1	N.A.	393.8	N.A.	N.A.	393.8	2,461.1
2005-06	2,795.2	N.A.	447.2	N.A.	N.A.	447.2	2,795.2
2006-07	2,972.0	N.A.	475.5	N.A.	N.A.	475.5	2,972.0
2007-08	2,246.3	N.A.	359.4	N.A.	N.A.	359.4	2,246.3
2008-09	2,533.6	N.A.	405.4	N.A.	N.A.	405.4	2,533.6
2009-10	3,093.0	N.A.	494.9	N.A.	N.A.	494.9	3,093.0
2010-11	3,712.8	N.A.	594.0	N.A.	N.A.	594.0	3,712.8
2011-12	4,324.0	N.A.	691.8	N.A.	N.A.	691.8	4,324.0
2012-13	4,434.9	N.A.	709.6	N.A.	N.A.	709.6	4,434.9
2013-14	4,211.6	N.A.	673.8	N.A.	N.A.	673.8	4,211.5
2014-15	4,229.6	N.A.	676.7	N.A.	N.A.	676.7	4,299.6
2015-16	4,329.6	N.A.	692.7	N.A.	N.A.	692.7	4,329.6
2016-17	4,296.8	N.A.	687.5	N.A.	N.A.	687.5	4,296.8
2017-18	3,910.2	N.A.	625.6	N.A.	N.A.	625.6	3,905.9
2018-19	4,076.3	N.A.	652.2	N.A.	N.A.	652.2	4,076.3
2019-20	4,246.7	N.A.	679.5	N.A.	N.A.	679.5	4,246.7
2020-21	4,916.0	N.A.	786.6	N.A.	N.A.	786.6	4,916.0
2021-22	5,351.2	N.A.	856.2	N.A.	N.A.	856.2	5,351.2
2022-23	5,646.2	N.A.	903.4	4.0	1.8	905.2	5,650.2
2023-24	4,433.8	N.A.	709.4	2.0	0.9	710.3	4,435.8

Note : 1. #: 14% W.S. P₂O₅, 2. (): Pelofos, 3. N.A.: Not Available.

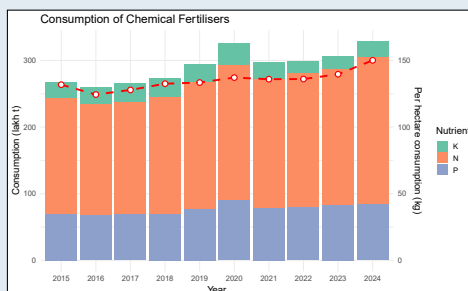
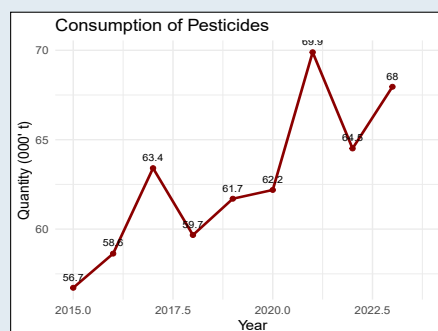
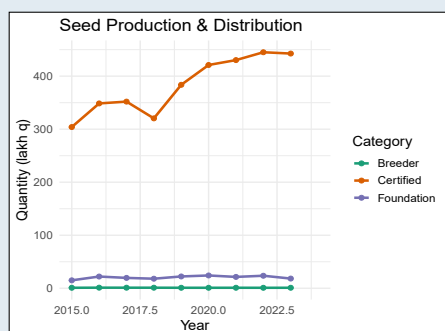
Source : Fertiliser Statistics 2023-24, The Fertiliser Association of India, New Delhi.

Table 2.9: Production and use of agricultural inputs in India

Programme	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
1. Seeds (lakh q)										
I. Production of breeder seeds	0.90	1.11	1.05	1.04	0.92	0.91	0.94	0.89	0.93	N.A.
II. Production of foundation seeds	14.95	22.09	19.54	18.00	22.25	24.12	21.40	23.59	18.29	N.A.
III. Distribution of certified/quality seeds	304.04	348.58	352.01	320.41	383.72	421.09	430.31	445.11	442.64	N.A.
2. Consumption of chemical fertilisers (lakh t)										
I. Nitrogenous (N)	173.72	167.35	169.58	176.28	191.00	204.04	194.38	202.06	204.56	221.48
II. Phosphatic (P)	69.79	67.05	68.54	69.68	76.62	89.78	78.28	79.22	83.07	83.96
III. Potassic (K)	24.02	25.08	27.79	27.79	26.07	31.54	25.29	17.16	18.79	23.84
Total (I+II+III)	267.53	259.49	265.91	273.75	293.69	325.36	297.96	298.44	306.42	329.28
Per hectare (kg)	131.84	124.41	127.88	132.57	133.44	137.15	135.96	136.05	139.69	150.11
3. Consumption of pesticides (technical grade material) (000' t)	56.72	58.63	63.41	59.67	61.70	62.19	69.89	64.51	67.96	N.A.

Note : N.A.: Not Available

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India (In press).



**Table 2.10: Maximum retail prices of fertilisers in terms of nutrients
(exclusive of Central vat/State sales tax and local taxes)
(50 kg. packing)**

(₹/kg of nutrient)

Year/effective dates	Maximum sale price of nutrient through					
	Ammonium sulphate (20.6% N)	Urea (46% N)	Calcium ammonium nitrate (25% N)	Diammonium phosphate [@] (18% N-46% P ₂ O ₅)	Single super phosphate (16% w.s. P ₂ O ₅)	Muriate of potash (60% K ₂ O)
Nutrient	(N)	(N)	(N)	(P ₂ O ₅)	(P ₂ O ₅)	(K ₂ O)
1995-96 Kharif	15.44	7.22	N.A.	16.96-18.48	14.29-17.66	6.03-7.57
1995-96 Rabi	18.45	7.22	N.A.	18.11-19.45	16.25-18.21	7.00-8.00
1996-97 Kharif	19.42	7.22	N.A.	13.64-16.18	13.93-19.25	6.19-7.17
1996-97 Rabi (prior 21-2-97)	19.42	7.22	N.A.	14.92-16.96	16.25-19.25	6.62-7.50
1996-97 Rabi (w.e.f. 21-2-97)	19.42	7.96	N.A.	14.63-16.67	16.25-19.25	6.17
1997-98	19.42-20.39	7.96	N.A.	14.93	15.63-18.75	6.17
1998-99 Kharif (prior 29-1-99)	20.39-21.36	7.96	24.00#	14.93	15.63-18.75	6.17
1998-99 (w.e.f. 29-1-99)	20.39-21.37	8.70	24.00#	14.64	15.63-18.75	6.17
1999-2000 (prior 29-2-2000)	22.82-24.51	8.70	24.00#	14.64	15.63-18.75	6.17
1999-2000 (w.e.f. 29-2-2000)	22.82-24.52	10.00	24.00#	15.43	15.63-18.75	7.09
2000-01	23.54-24.51	10.00	32.00#	15.43	15.63-21.88	7.09
2001-02 (w.e.f. Feb 02)	24.07-26.33	10.50	32.00#	16.22	15.63-21.88	7.43
2002-03 (w.e.f. Feb 03)	25.58-27.45	11.02	36.00#	16.45	16.28-21.88	7.76
2002-03 (w.e.f. 12-3-03)	25.58-27.46	10.50	36.00#	16.22	16.25-21.88	7.43
2003-04	25.97-27.79	10.50	36.00#	16.22	16.25-23.94	7.43
2004-05	26.46-28.76	10.50	24.80-40.00	16.22	16.25-23.38	7.43
2005-06	28.28-30.22	10.50	25.93-31.70	16.22	16.25-26.88	7.43
2006-07	30.95-32.65	10.50	28.08-33.50	16.22	16.88-26.88	7.43
2007-08	32.65-48.83	10.50	31.58-36.10	16.22	16.88-26.88	7.43
2008-09	50.24 ^d	10.50*	37.38-44.80	16.22	21.25 ^e	7.43
2009-10	50.24 ^d	10.50*	39.28-44.80	16.22	21.25 ^f	7.43
2010-11	38.89-42.23 ^s	11.54*	40.42-49.60	17.11-18.85 ^s	20.00 ^s	8.43 ^s
2011-12	38.89-68.45 ^s	11.54*	43.56-51.60	18.85-39.61 ^s	20.00-39.29 ^s	10.00-20.13 ^s
2012-13	47.57-53.46 ^s	11.65**	52.86-62.00	47.62 ^s	43.78 ^s	28.33 ^s
2013-14	53.91-56.74 ^s	11.65*	N.A.	44.35 ^s	41.43 ^s	26.67 ^s
2014-15	59.93-65.78 ^s	11.65*	N.A.	46.96 ^s	47.54 ^s	27.50 ^s
2015-16	58.25-61.89 ^s	11.65*	N.A.	48.70 ^s	46.76 ^s	26.67 ^s
2016-17	58.25-61.89 ^s	11.65*	N.A.	43.27 ^s	45.16 ^s	18.33 ^s
2017-18	62.92 ^s	11.65*	N.A.	43.54 ^s	45.44 ^s	19.97 ^s
2018-19	60.38 ^s	11.65*	N.A.	54.14 ^s	48.47 ^s	26.67 ^s
2019-20	61.91 ^s	11.65*	N.A.	47.61 ^s	49.05 ^s	31.67 ^s
2020-21	61.80 ^s	11.65*	N.A.	47.61 ^s	51.56 ^s	29.17 ^s
2021-22	77.94 ^s	11.65*	N.A.	47.61 ^s	46.88 ^s	32.50 ^s
2022-23	94.00 ^s	11.65*	N.A.	54.14 ^s	53.13 ^s	56.67 ^s
2023-24	92.47 ^s	11.65*	N.A.	54.14 ^s	68.12 ^s	56.67 ^s

Note : 1. @: P₂O₅ prices of DAP worked out after deducting proportionate price of N (through urea) from prices of DAP, 2. #: inclusive of all taxes, 3. d: w.e.f. July 01, 2008, 4. *: GOI allowed the manufacturers of Neem Coated Urea to charge 5% extra on basic MRP of urea. MRP of Neem Coated Urea in Rs. 12.23 per kg. N, 5. e: w.e.f. May 1, 2008, 6. f: upto September 30, 2009, 7. a: w.e.f. November 01, 2012, 8. \$: Nutrient Based Subsidy (NBS) on P&K fertiliser and A/S was introduced w.e.f. April 1, 2010. Under NBS, retail prices are market determined and announced by the individual companies. The prices shown for 2010-11 to 2023-24 are indicative average prices. The prices for 2017-18 and 2023-24 are inclusive of GST.

Source : Fertiliser Statistics 2023-24, The Fertiliser Association of India, New Delhi.

Table 2.11: State-wise consumption of pesticides (Technical Grade) in India

States/Union Territories	(Mt)							
	2015-16	2016-17	2017-18	2019-20	2020-21	2021-22	2022-23	2023-24
Andaman and Nicobar Islands	NR	NR	NR	NR	NR	1.42	NR	NR
Andhra Pradesh	2713	2015	1738.00	1558.63	1558.63	1759.26	2200.01	1940.50
Arunachal Pradesh	17	18	NR	4.95	1.95	1.40	2.55	NR
Assam	NR	306	240.50	256.05	410.39	419.50	543.05	561.80
Bihar	831	790	840.00	850.00	995.00	850.00	1020.00	1020.00
Chhattisgarh	1625	1660	1685.00	1672.00	1639.00	1740.00	1775.00	1781.00
Delhi	NR	NR	NR	110.00	NR	NR	NR	NR
Goa	48	22	24.06	30.00	30.22	32.40	34.39	31.36
Gujarat	1980	1713	1692.00	1784.00	1573.00	1869.00	1747.00	1835.00
Haryana	NR	4050	4025.00	4200.00	4050.00	4066.00	4066.00	4047.00
Himachal Pradesh	450	341	467.00	881.20	56.39	278.99	470.35	277.32
Jammu and Kashmir	2251	2188	2429.91	2458.69	2198.00	3352.00	11267.22	11458.14
Jharkhand	493	541	618.76	681.00	1161.00	450.00	507.00	455.00
Karnataka	1434	1288	1502.00	1568.00	1930.00	2224.00	1875.00	1830.00
Kerala	1123	895	1067.50	656.40	585.27	531.72	539.86	643.06
Madhya Pradesh	732	694	502.00	540.00	691.00	654.00	598.00	584.00
Maharashtra	11665	13496	15568.00	12783.00	13243.00	13175.00	6814.00	8719.00
Manipur	30	33	26.85	NR	25.10	45.55	27.18	17.19
Meghalaya	NR	#	#	#	#	#	13.63	NR
Mizoram	NR	9	NR	26.01	27.44	NR	35.80	49.59
Nagaland	20	20	20.00	21.00	19.00	36.00	NR	26.17
Odisha	723	1050	1633.00	1115.00	1158.41	1239.93	1347.55	1143.88
Puducherry	43	43	43.33	42.31	40.00	NR	NR	76.02
Punjab	5743	5843	5835.00	4995.00	5193.00	5376.00	5130.00	5216.00
Rajasthan	2475	2269	2307.00	2088.00	2330.00	2104.00	1865.00	1898.00
Sikkim	NR	#	#	#	#	#	#	#
Tamil Nadu	2096	2092	1929.00	2225.00	1834.00	1851.00	1922.00	1970.00
Telangana	2950	3436	4865.74	4915.00	4986.00	4920.00	4920.00	4831.00
Tripura	293	298	329.68	349.12	364.00	NR	NR	NR
Uttar Pradesh	10457	10614	10824.00	12217.00	11557.00	11688.00	11824.00	13275.00
Uttarakhand	217	198	210.41	223.77	135.48	213.24	199.84	147.08
West Bengal	3712	2624	2982.05	3630.02	3629.80	3630.02	3761.64	4081.18
Total	54121	58546	63406	59670	61702	62193	64506.07	67964.97

Note : 1. NR: Not Reported, 2. #: Organic State.

Source : *Statistical Database*, Directorate of Plant Protection, Quarantine and Storage, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (<http://ppqs.gov.in/statistical-database>)

Table 2.12: Zone-wise Consumption of Fertilisers in Terms of Nutrients (N, P & K)

('000 t)

Zone	2023-24				2024-25			
	N	P	K	Total	N	P	K	Total
East Zone	2542.80	1073.71	413.72	4030.23	2962.71	1190.55	536.53	4689.79
North Zone	6847.66	1988.32	222.86	9058.85	7173.71	1932.78	297.65	9404.14
North-East Zone	215.53	59.88	29.86	305.27	235.10	63.40	40.18	338.68
South Zone	4099.20	1933.25	630.97	6663.42	4539.29	2072.83	768.41	7380.52
West Zone	6751.189	3251.475	581.147	10583.811	7237.09	3136.206	741.082	11114.38
All India	20456.37	8306.648	1878.56	30641.58	22147.90	8395.77	2383.85	32927.52

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India (In press).

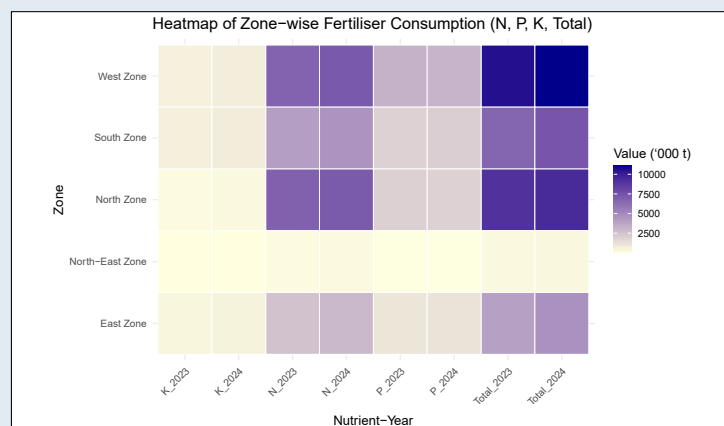
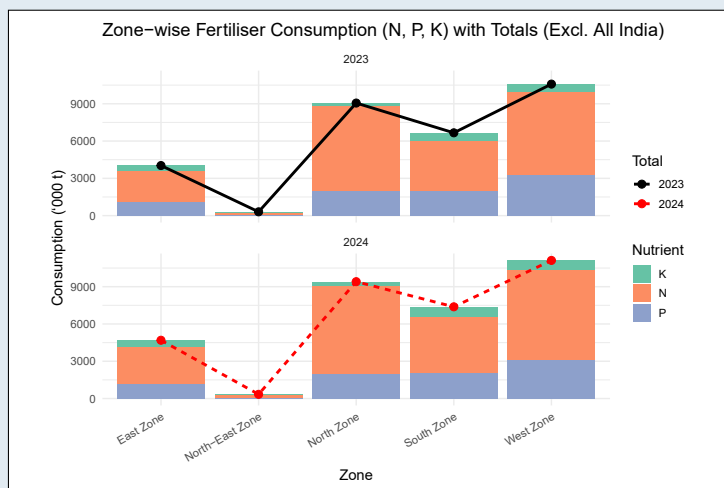


Table 2.13: State-wise area coverage under micro irrigation in India during 2022 and 2024

(Area in Ha.)

States	As on 31.03.2022			As on 31.03.2024		
	Drip	Sprinkler	Total	Drip	Sprinkler	Total
Andhra Pradesh	1400780	521165	1921945	1534852	559838	2094690
Arunachal Pradesh	6245	4275	10520	8747	5166	13913
Assam	7603	25671	33274	12651	32955	45606
Bihar	15834	106995	122829	25231	107499	132730
Chattisgarh	35600	345634	381234	41115	364004	405119
Goa	1386	1346	2732	1453	1378	2831
Gujarat	921010	788672	1709682	1058717	887579	1946296
Haryana	43868	639656	683524	52541	701395	753935
Himachal Pradesh	7934	6403	14337	8301	6777	15078
Jammu & Kashmir	1780	293	2073	699	485	1184
Jharkhand	30056	18211	48267	41262	19900	61162
Karnataka	824916	1604399	2429315	916000	1936203	2852202
Kerala	24360	9289	33649	25215	10332	35547
Madhya Pradesh	357328	301497	658825	393137	365580	758717
Maharashtra	1414185	625598	2039783	1572806	724033	2296839
Manipur	358	9933	10291	338	15242	15580
Meghalaya	308	307	615	596	814	1410
Mizoram	5914	1808	7722	7174	1885	9059
Nagaland	8040	7277	15317	19833	10776	30609
Odisha	32354	142798	175152	36255	192659	228913
Punjab	37682	16508	54190	40179	19915	60095
Rajasthan	318742	1777985	2096727	479608	2027887	2507496
Sikkim	7006	10518	17524	7713	16761	24474
Tamil Nadu	867898	387723	1255621	998162	457336	1455498
Telangana	222603	91085	313688	259438	99565	359002
Tripura	2304	3204	5508	3068	3538	6606
Uttar Pradesh	57963	245138	303101	115064	314824	429888
Uttarakhand	14941	11796	26737	18100	16701	34801
West Bengal	10437	107259	117696	10905	145618	156524
All India	6679434	7812443	14491877	7689158.97	9046643.18	16735802.15

Note : * Data for the year 2023 is not Available.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India (In press),

Table 2.14: Flow of institutional credit in agriculture sector

(million ₹)

Item	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Production (Short term) credit								
Co-operative Banks	1318800	1361020	1427500	1482870	1792670	2290930	2194780	2243300
Regional Rural Banks	1050010	1197900	1256540	1380690	1563690	1667820	8990570	10577140
Commercial Banks	4525760	4973220	4838050	5387950	5581210	7038040	2002780	2257320
Sub-total (A)	6894570	7532140	7522090	8251510	8937570	10996790	13188140	15077770
Medium/Long term credit								
Co-operative Banks	108780	142190	95910	90800	114150	141270	168710	176770
Regional Rural Banks	182150	214260	240130	272570	336430	373980	7774710	9660350
Commercial Banks	3472050	3737580	4710170	5312410	6365830	7121600	420080	571460
Sub-total (B)	3762980	4094030	5046200	5675790	6816410	7636850	8363500	10408590
Short term + Medium/Long term credit								
Co-operative Banks	1427580	1503210	1523400	1573670	1906820	2432200	2363490	2420080
Regional Rural Banks	1232160	1412160	1496670	1653260	1900120	2041800	16765290	20237490
Commercial Banks	7997810	8710800	9548230	10700360	11947040	14159640	2422860	2828780
Grand total (A+B)	10657550	11626170	12568300	13927290	15753980	18633630	21551630	25486350

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India (In press).

Table 2.15: State-wise crop area insured under all insurance schemes

(lakh ha)

States/ Union Territories	2018-19			2019-20			2020-21		
	Gross Area Sown*	Area Insured	% of Area Insured	Gross Area Sown*	Area Insured	% of Area Insured	Gross Area Sown*	Area Insured	% of Area Insured
Andhra Pradesh	74.18	18.89	25.47	74.18	19.87	26.79	74.18	N.A.	N.A.
Andaman & Nicobar Islands	0.44	0.01	1.26	0.44	0.00	0.14	0.44	0.00	0.59
Arunachal Pradesh	3.13	N.A.	N.A.	3.13	N.A.	N.A.	3.13	N.A.	N.A.
Assam	40.87	0.49	1.20	40.87	5.61	13.74	40.87	9.23	22.58
Bihar	76.54	N.A.	N.A.	76.54	N.A.	N.A.	76.54	N.A.	N.A.
Chandigarh	0.01	N.A.	N.A.	0.01	N.A.	N.A.	0.01	N.A.	N.A.
Chhattisgarh	56.73	22.75	40.09	56.73	24.35	42.91	56.73	24.76	43.64
Dadra & Nagar Haveli	0.23	N.A.	N.A.	0.23	N.A.	N.A.	0.23	N.A.	N.A.
Daman & Diu	0.03	N.A.	N.A.	0.03	N.A.	N.A.	0.03	N.A.	N.A.
Delhi	0.57	N.A.	N.A.	0.57	N.A.	N.A.	0.57	N.A.	N.A.
Goa	1.55	0.00	0.18	1.55	0.00	0.09	1.55	0.00	0.01
Gujarat	119.94	26.11	21.77	119.94	29.44	24.54	119.94	N.A.	N.A.
Haryana	64.52	20.55	31.85	64.52	22.50	34.87	64.52	18.85	29.22
Himachal Pradesh	9.59	0.90	9.38	9.59	0.94	9.81	9.59	0.80	8.36
Jammu & Kashmir	11.77	1.11	9.40	11.77	N.A.	N.A.	11.77	N.A.	N.A.
Jharkhand	20.45	6.32	30.93	20.45	6.45	31.54	20.45	N.A.	N.A.
Karnataka	117.79	22.38	19.00	117.79	21.67	18.40	117.79	16.12	13.69
Kerala	25.84	0.43	1.67	25.84	0.37	1.44	25.84	0.44	1.71
Lakshdweep	0.02	N.A.	N.A.	0.02	N.A.	N.A.	0.02	N.A.	N.A.
Madhya Pradesh	242.14	129.30	53.40	242.14	116.50	48.11	242.14	127.22	52.54
Maharashtra	239.47	88.62	37.01	239.47	79.22	33.08	239.47	68.10	28.44
Manipur	4.69	0.01	0.16	4.69	0.03	0.54	4.69	N.A.	N.A.
Meghalaya	3.09	0.01	0.28	3.09	0.00	0.10	3.09	0.00	0.03
Mizoram	1.86	N.A.	N.A.	1.86	N.A.	N.A.	1.86	N.A.	N.A.
Nagaland	5.21	N.A.	N.A.	5.21	N.A.	N.A.	5.21	N.A.	N.A.
Odisha	48.84	14.85	30.41	48.84	18.54	37.96	48.84	11.89	24.35
Puducherry	0.26	0.08	31.52	0.26	0.09	36.07	0.26	0.07	28.82
Punjab	78.04	N.A.	N.A.	78.04	N.A.	N.A.	78.04	N.A.	N.A.
Rajasthan	260.36	77.83	29.89	260.36	96.94	37.23	260.36	113.67	43.66
Sikkim	1.46	0.00	0.07	1.46	0.00	0.00	1.46	0.00	0.01
Tamil Nadu	51.29	14.16	27.62	51.29	14.20	27.70	51.29	17.01	33.18
Telangana	59.70	9.92	16.62	59.70	11.35	19.01	59.70	N.A.	N.A.
Tripura	4.91	0.00	0.06	4.91	0.06	1.24	4.91	0.30	6.17
Uttar Pradesh	269.49	51.34	19.05	269.49	35.56	13.20	269.49	31.53	11.70
Uttarakhand	10.82	1.09	10.07	10.82	1.14	10.50	10.82	9.84	90.97
West Bengal	96.18	17.67	18.37	96.18	N.A.	N.A.	96.18	N.A.	N.A.
Total	2002.03	524.84	26.22	2002.03	504.84	25.22	2002.03	449.86	22.47

Note : 1. Latest data for Gross Area Sown (also known as Gross Cropped Area) is available till 2016-17 and the same has been used for 2016-17 to 2020-21 for estimation purpose, 2. N.A.: Not Available.

Source : *Agricultural Statistics at a Glance 2022*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India.



भाग-III
पशुपालन, डेरी उद्योग एवं मात्स्यिकी

SECTION-III
Animal Husbandry, Dairying and Fisheries



Table 3.1: Livestock and Poultry Population in India

(Million Numbers)

Species	1972	1977	1982	1987	1992	1997	2003	2007	2012	2019
Cattle	178.30	180.00	192.45	199.69	204.58	198.88	185.18	199.08	190.90	193.46
Buffalo	57.40	62.00	69.78	75.97	84.21	89.92	97.92	105.34	108.70	109.85
Sheep	40.00	41.00	48.76	45.70	50.78	57.49	61.47	71.56	65.07	74.26
Goat	67.50	75.60	95.25	110.21	115.28	122.72	124.36	140.54	135.17	148.88
Horses & Ponies	0.90	0.90	0.90	0.80	0.82	0.83	0.75	0.61	0.63	0.34
Camel	1.10	1.10	1.08	1.00	1.03	0.91	0.63	0.52	0.40	0.25
Pig	6.90	7.60	10.07	10.63	12.79	13.29	13.52	11.13	10.29	9.06
Mule	0.08	0.09	0.13	0.17	0.19	0.22	0.18	0.14	0.20	0.08
Donkey	1.00	1.00	1.02	0.96	0.97	0.88	0.65	0.44	0.32	0.12
Yak/Mithun	0.04	0.13	0.13	0.04	0.06	0.06	0.06	0.08	0.08	0.06
Total livestock	353.60	369.00	419.59	445.29	470.86	485.39	485.00	529.70	512.06	536.76
Poultry (Chicken & Duck)	138.50	159.20	207.74	275.32	307.07	347.61	489.01	648.83	729.21	851.81
Dog	NC	NC	18.54	17.95	21.77	25.48	16.51	19.09	11.67	9.43
Rabbit	NC	NC	NC	NC	NC	NC	0.48	0.42	0.59	0.55

Note : 1. NC: Not collected, 2. Totals may not tally due to rounding off the figures, 3. Total livestock: Cattle + Buffalo + Yaks + Mithun + Sheep + Goats + Horses & Ponies + Mules + Donkeys + Camels + Pigs.

Source : 1. *Basic Animal Husbandry Statistics 2024*, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dahd.gov.in>).
2. *Agricultural Statistics at a Glance 2021*, Directorate of Economics & Statistics, Department of Agriculture, Cooperation & Farmers Welfare Ministry of Agriculture & Farmers Welfare, Govt. of India.

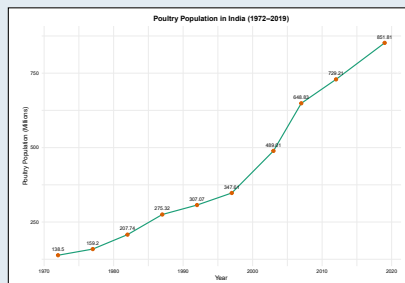
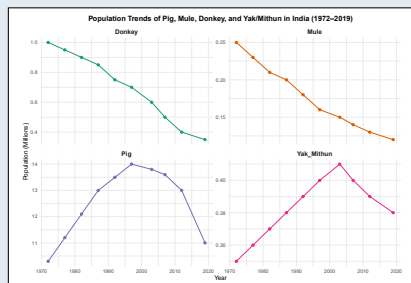
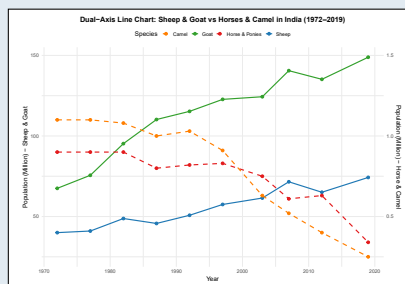
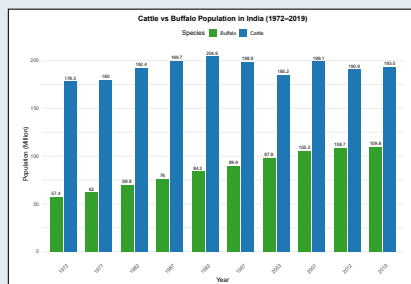


Table 3.2: Growth Pattern of Livestock and Poultry Population in India

Species	Compound Annual Growth Rate (% Change)										
	1961-66	1966-72	1972-77	1977-82	1982-87	1987-92	1992-97	1997-03	2003-07	2007-12	2012-19
Cattle	0.34	1.19	0.95	6.92	3.76	2.45	-2.79	-6.89	7.50	-4.10	1.34
Buffaloes	3.52	8.30	8.01	12.55	8.87	10.85	6.78	8.90	7.58	3.19	1.06
Sheep	5.47	-5.66	2.50	18.93	-6.28	11.12	13.21	6.92	16.41	-9.07	14.13
Goats	6.08	4.49	12.00	25.99	15.71	4.60	6.45	1.34	13.01	-3.82	10.14
Horses & Ponies	-15.38	-18.18	0.00	0.00	-11.11	2.50	1.22	-9.64	-18.60	2.12	-45.22
Camels	11.11	10.00	0.00	-1.82	-7.41	3.00	-11.65	-30.77	-18.20	-22.63	-37.05
Pigs	-3.85	38.00	10.14	32.50	5.56	20.32	3.91	1.73	-17.66	-7.54	-12.03
Mules	60.00	0.00	12.50	44.44	30.77	11.76	15.79	-18.18	-22.10	43.07	-57.09
Donkeys	0.00	-9.09	0.00	2.00	-5.88	1.04	-9.28	-26.14	-32.62	-27.17	-61.23
Yak	50.00	33.33	225.00	0.00	-69.23	50.00	0.00	0.00	28.00	-7.64	-24.90
Total livestock	2.59	2.76	4.36	13.71	6.13	5.74	3.09	-0.08	9.22	-3.33	4.82
Poultry	1.05	20.02	14.95	30.49	32.53	11.53	13.20	40.68	32.68	12.39	16.81
Dog	N.A.	N.A.	N.A.	N.A.	-3.18	21.28	17.04	13.92	14.20	-38.85	-19.19

Note : N.A.: Not available.

Source : *Basic Animal Husbandry Statistics 2024*, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dahd.gov.in>)

Table 3.3: Results of Livestock Census 2012 and 2019 in India

(million number)

I. CATTLE				
Exotic/Crossbred and Indigenous/Non-Descript Cattle Population-Male, Female and Total				
Category		Population 2012	Population 2019	% Change
Exotic/Crossbred				
Male		5.97	3.61	-39.50
Female		33.76	47.75	41.40
Total Exotic/Crossbred		39.73	51.36	29.30
Indigenous/Non-Descript				
Male		61.95	43.94	-29.10
Female		89.22	98.17	10.00
Total Indigenous/Non-Descript		151.17	142.11	-6.00
Total Cattle		190.90	192.52	1.30
In-milk, Dry and Milch Cattle for Exotic/Crossbred and Indigenous/Non-Descript				
Breed Group	Category	Population 2012	Population 2019	% Change
Exotic/Crossbred	In-milk	14.30	20.31	42.00
	Dry	5.12	5.77	12.70
	Milch	19.42	26.08	34.30
Indigenous/Non-Descript	In-milk	29.65	31.98	7.90
	Dry	18.47	16.53	-10.50
	Milch	48.12	48.51	0.80
II. BUFFALO				
Category		Population 2012	Population 2019	% Change
Male		16.10	9.28	-42.35
Female		92.60	100.57	8.61
In-milk		36.57	38.16	4.34
Dry		14.48	13.01	-10.19
Milch animals (In Milk + Dry)		51.05	51.17	0.22
Total Buffalo		108.70	109.85	1.06

III. SHEEP			
Category	Population 2012	Population 2019	% Change
Exotic/Crossbred	3.78	4.09	8.12
Exotic/ Crossbred Male	1.21	0.83	-31.32
Exotic/ Crossbred Female	2.57	3.26	26.62
Indigenous/Non-Descript	61.29	70.17	14.50
Indigenous/ Non-Descript Male	13.92	12.53	-9.93
Indigenous/ Non-Descript Female	47.37	57.64	21.67
Total sheep	65.07	74.26	14.13
IV. GOAT			
Category	Population 2012	Population 2019	% Change
Male	37.62	32.1	-14.65
Female	97.56	116.78	19.71
In-milk	36.25	41.83	15.38
Dry	25.31	27.82	9.95
Milch animals (In Milk + Dry)	61.56	69.65	13.15
Total goat	135.17	148.88	10.14
V. PIG			
Category	Population 2012	Population 2019	% Change
Exotic/Crossbred	2.46	1.90	-22.78
Indigenous/Non-Descript	7.84	7.16	-8.66
Total pig	10.29	9.06	-12.03
VI. CAMEL			
Category	Population 2012	Population 2019	% Change
Male	0.19	0.08	-56.40
Female	0.21	0.17	-19.46
Total camel	0.40	0.25	-37.05
VII. HORSES, PONIES, MULES & DONKEYS			
Category	Population 2012	Population 2019	% Change
Horses & Ponies	0.62	0.34	-45.22
Mules	0.20	0.08	-57.09
Donkeys	0.32	0.12	-61.23
Total	1.14	0.55	-51.74

VIII. MITHUN			
Category	Population 2012	Population 2019	% Change
Male	1.30	1.70	33.65
Female	1.70	2.10	26.36
Total Mithun	3.00	3.80	29.52
IX. YAK			
Category	Population 2012	Population 2019	% Change
Male	35.11	26.02	-25.88
Female	41.56	31.55	-24.08
Total Yak	76.66	57.57	-24.90
X. POULTRY			
Category	Population 2012	Population 2019	% Change
Backyard poultry	217.49	317.07	45.79
Commercial poultry	511.72	534.74	4.50
Total Poultry	729.21	851.81	16.81

Source : *Basic Animal Husbandry Statistics 2024*, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dahd.gov.in>)

Table 3.4: State-Wise Total Number of Livestock and Poultry during 20th Livestock Census 2019*

States/ Union Territories	Cattle	Buffaloes	Sheep	Goats	Pigs	Horses and ponies	Mules	Donkeys	Camel	Yaks	Mithun	Total Livestock	Total Poultry
Andaman & Nicobar Islands	36438	3700	5	64761	40488	0	0	2	0	0	0	145394	1289160
Andhra Pradesh	4600087	6219499	17626971	5522133	91958	1884	240	4678	166	0	0	34067616	107863152
Arunachal Pradesh	339221	6379	7345	159740	271463	3051	0	0	0	24075	350154	1161428	1599575
Assam	10909239	421715	332100	4315173	2099000	12783	724	900	567	0	0	18092201	46712341
Bihar	15397980	7719794	213377	12821216	343434	32176	1491	11264	88	0	0	36540820	16525349
Chandigarh	13440	12177	0	998	138	237	0	0	0	0	0	26990	48883
Chhattisgarh	9983954	1174722	180229	4005657	526901	675	21	142	1	0	0	15872302	18711824
D&N Haveli	39736	997	84	7548	0	39	0	0	0	0	0	48404	89671
Daman & Diu	1840	374	68	987	0	15	0	0	0	0	0	3284	18264
Delhi	86433	162142	932	30470	76346	2694	136	1087	157	0	0	360397	43831
Goa	60247	27207	8	9446	35480	15	1	0	2	0	0	132406	349543
Gujarat	9633637	10543250	1787263	4867744	658	21811	5	11286	27620	0	0	26893274	21773392
Haryana	1928682	4368023	288370	334640	108240	9683	2499	800	5154	0	0	7046091	46294965
Himachal Pradesh	1828017	646565	791345	1108413	2477	8851	20415	4797	26	1940	0	4412846	1341951
Jammu And Kashmir	2539240	690829	3247503	1730218	1215	63335	16722	9563	466	26221	12	8325324	7366308
Jharkhand	11223052	1350313	641183	9121173	1276973	1378	73	400	0	0	0	23614545	24832906
Karnataka	8469004	2984560	11050728	6169392	323836	7018	51	8790	33	0	0	29013412	59494481
Kerala	1341996	101504	1482	1359161	103863	560	0	65	26	0	0	2908657	29771905

Animal Husbandry, Dairying and Fisheries

States/ Union Territories	Cattle	Buffaloes	Sheep	Goats	Pigs	Horses and ponies	Mules	Donkeys	Camel	Yaks	Mithun	Total Livestock	Total Poultry
Lakshadweep	2493	16	0	43188	0	0	0	0	0	0	0	45697	226025
Madhya Pradesh	18750828	10307131	324585	11064524	164616	13260	2543	8135	1753	0	0	40637375	16659898
Maharashtra	13992304	5603692	2680329	10604883	161000	18892	681	17572	465	0	0	33079818	74297765
Manipur	224472	36230	5921	38697	235255	1083	0	2	0	0	9059	550719	5897637
Meghalaya	903570	15714	15679	397503	706364	273	0	0	0	0	0	2039103	5379532
Mizoram	45701	2109	485	14820	292465	159	8	0	0	0	3957	359704	2047810
Nagaland	78296	15654	361	31602	404695	70	0	2	0	0	23123	553803	2838944
Odisha	9903970	458324	1279149	6393452	135162	143	18	83	8	0	0	18170309	27439257
Puducherry	71984	2395	2445	73630	880	29	0	4	1	0	0	151368	235999
Punjab	2531460	4015947	85560	347949	52961	14243	1644	471	120	0	0	7050355	17649984
Rajasthan	13937630	13693316	7903857	20840203	154808	33679	1339	23374	212739	0	0	56800945	14622975
Sikkim	148010	1144	2016	90506	27320	115	0	2	0	5219	0	274332	580864
Tamil Nadu	9518660	518795	4500491	9888746	66772	5417	305	1428	7	0	0	24500621	120781100
Telangana	4232539	4226306	19063058	4934673	177992	3878	91	2031	71	0	0	32640639	79999404
Tripura	739031	7131	5460	360204	206035	17	2	10	2	0	0	1317892	4168246
Uttar Pradesh	19019641	33016785	984725	14480025	408678	75718	8933	16016	2424	0	0	68012945	12515704
Uttarakhand	1852123	866318	284615	1371971	17659	7452	26293	589	15	54	0	4427089	5018684
West Bengal	19077916	630921	952886	16279340	540356	1593	26	94	45	61	0	37483238	77322602
All India	193462871	109851678	74260615	148884786	9055488	342226	84261	123587	251956	57570	386305	536761343	851809931

Note : 1. * : Provisional, 2. 0: Negligible with respect to thousands/not reported, 3. Totals may not tally due to rounding up of figures

Source : Basic Animal Husbandry Statistics 2024, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India.
(Website: <http://www.dahd.gov.in>)

State-wise total number of livestock and poultry in 2019

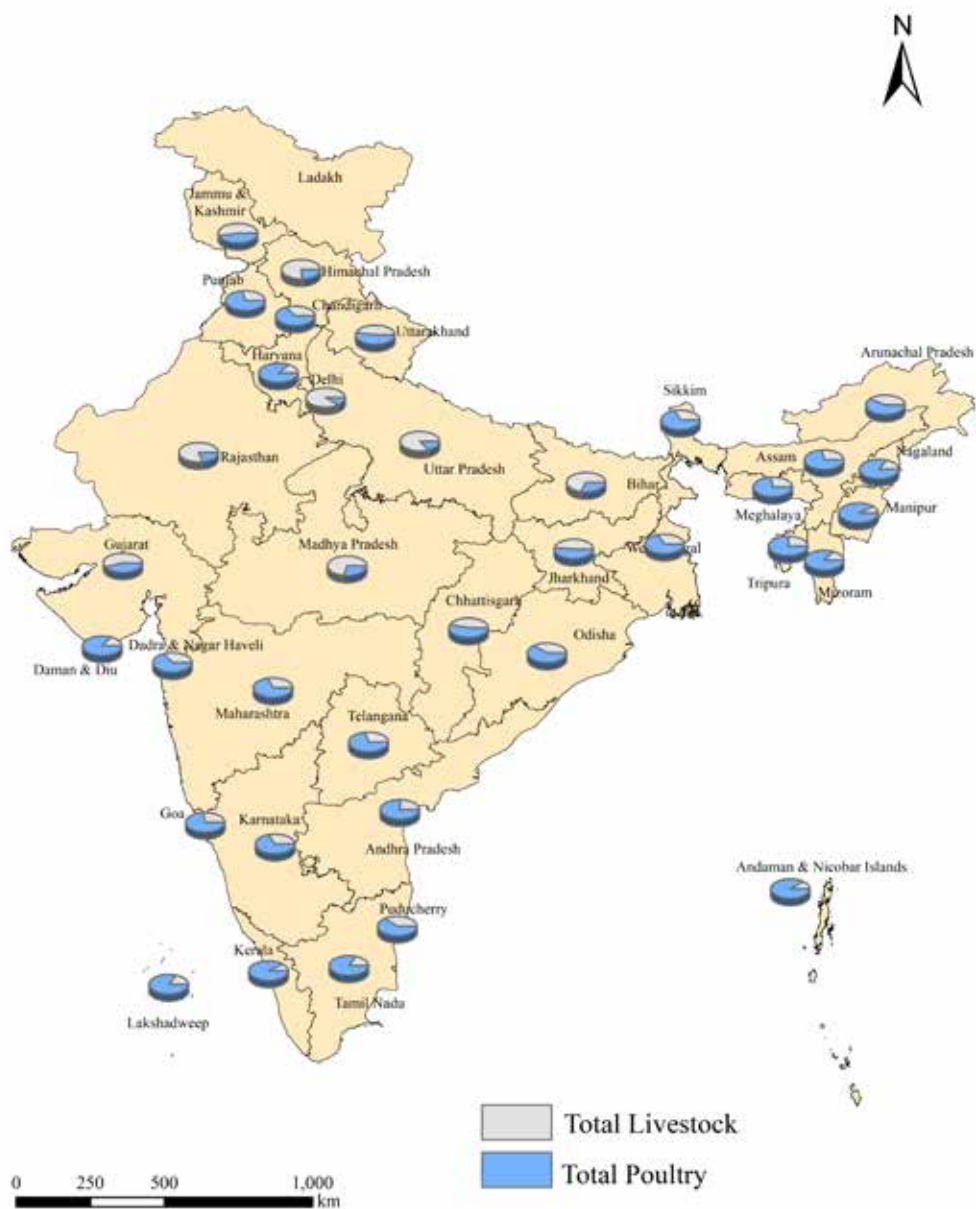


Table 3.5: State-Wise Number of Milch animals in 2012 and 2019

States/ Union Territories	Milch Cows						Milch Buffaloes			
	Crossbred			Indigenous						
	2012	2019*	% Change	2012	2019*	% Change	2012	2019*	% Change	
Andaman & Nicobar Islands	7254	7870	8.49	8933	6890	-22.87	2129	1088	-48.90	
Andhra Pradesh	932404	1078765	15.70	803295	682226	-15.07	3120746	2768832	-11.28	
Arunachal Pradesh	8365	2870	-65.69	103978	73665	-29.15	1142	1580	38.35	
Assam	158961	297235	86.99	2913811	3063395	5.13	136599	120552	-11.75	
Bihar	1647733	2002372	21.52	2873504	4588998	59.70	3112563	3361571	8.00	
Chandigarh	4533	5622	24.02	882	1838	108.39	9463	8230	-13.03	
Chhattisgarh	71453	115998	62.34	2515320	2719723	8.13	315439	325659	3.24	
D&N Haveli	284	488	71.83	7558	2888	-61.79	1087	541	-50.23	
Daman & Diu	69	137	98.55	592	568	-4.05	210	248	18.10	
Delhi	29644	29644	0.00	12538	12538	0.00	92043	92043	0.00	
Goa	9712	15807	62.76	13397	11208	-16.34	15194	12384	-18.49	
Gujarat	962841	1838840	90.98	2777362	2384172	-14.16	5078818	5311086	4.57	
Haryana	485603	491461	1.21	269004	345087	28.28	2765259	1949410	-29.50	
Himachal Pradesh	520863	619693	18.97	372325	266415	-28.45	396495	349950	-11.74	
Jammu And Kashmir	664878	703095	5.75	481989	451366	-6.35	396387	380124	-4.10	
Jharkhand	125010	269022	115.20	2065720	2824740	36.74	341429	390645	14.41	
Karnataka	1732237	2298221	32.67	2200528	1490309	-32.27	1897904	1572196	-17.16	
Kerala	604782	635754	5.12	32008	33243	3.86	9230	6683	-27.59	
Lakshadweep	319	436	36.68	1021	304	-70.23	0	6	-	

Animal Husbandry, Dairying and Fisheries

States/ Union Territories	Milch Cows						Milch Buffaloes		
	Crossbred			Indigenous			2012	2019*	% Change
	2012	2019*	% Change	2012	2019*	% Change			
Madhya Pradesh	383204	819096	113.75	5930211	5969149	0.66	3911587	4939159	26.27
Maharashtra	2037723	2746228	34.77	3053096	2687441	-11.98	3171475	3179751	0.26
Manipur	17053	7082	-58.47	62134	50355	-18.96	16874	6844	-59.44
Meghalaya	17569	21432	21.99	261024	224658	-13.93	3220	2536	-21.24
Mizoram	5270	8977	70.34	7377	6931	-6.05	1417	549	-61.26
Nagaland	39366	5809	-85.24	26920	9840	-63.45	6441	1767	-72.57
Odisha	528624	702928	32.97	2554719	2237559	-12.41	223539	140382	-37.20
Puducherry	29573	31163	5.38	844	2049	142.77	1309	1665	27.20
Punjab	1134098	1279073	12.78	102786	182720	77.77	2689206	2213034	-17.71
Rajasthan	860111	1197282	39.20	5007316	5134358	2.54	6321761	6590321	4.25
Sikkim	50532	50053	-0.95	4303	10996	155.54	290	401	38.28
Tamil Nadu	3082978	3820044	23.91	913978	685035	-25.05	377550	243865	-35.41
Telangana	220849	290463	31.52	1125111	999343	-11.18	1982037	1922790	-2.99
Tripura	42829	52175	21.82	229745	220960	-3.82	3185	2462	-22.70
Uttar Pradesh	1659780	2951281	77.81	6594960	5589174	-15.25	13949755	14620605	4.81
Uttarakhand	241519	303932	25.84	510018	478235	-6.23	545951	472955	-13.37
West Bengal	1101529	1376454	24.96	4285970	5062896	18.13	155991	174464	11.84
All India	19419552	26076802	34.28	48124277	48511272	0.80	51053725	51166378	0.22

Note : 1. Milch animals include animals in milk and dry, 2. Totals may not tally due to rounding up of figures.

Source : Basic Animal Husbandry Statistics 2024, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India.
(Website: <http://www.dahd.gov.in>)

Table 3.6: All India Production of Fish, Milk, Eggs, Wool and Meat

Year	Fish (lakh t)	Milk (million t)	Eggs (million no.)	Wool (million kg)	Meat (million t)
1984-85	28.01	41.50	14,252	38.00	N.A.
1985-86	28.76	44.00	16,128	39.10	N.A.
1986-87	29.42	46.10	17,310	40.00	N.A.
1987-88	29.59	46.70	17,795	40.10	N.A.
1988-89	31.52	48.40	18,980	40.80	N.A.
1989-90	36.77	51.40	20,204	41.70	N.A.
1990-91	38.36	53.90	21,101	41.20	N.A.
1991-92	41.57	55.70	21,983	41.60	N.A.
1992-93	43.65	58.00	22,929	38.80	N.A.
1993-94	46.44	60.60	24,167	39.90	N.A.
1994-95	47.89	63.80	25,975	40.60	N.A.
1995-96	49.49	66.20	27,198	42.40	N.A.
1996-97	53.48	69.10	27,496	44.40	N.A.
1997-98	53.88	72.10	28,689	45.60	N.A.
1998-99	52.98	75.40	29,476	46.90	1.90
1999-00	56.75	78.30	30,447	47.90	1.90
2000-01	56.56	80.60	36,632	48.40	1.90
2001-02	59.56	84.40	38,729	49.50	1.90
2002-03	62.00	86.20	39,823	50.50	2.10
2003-04	63.99	88.10	40,403	48.50	2.10
2004-05	63.05	92.50	45,201	44.60	2.20
2005-06	65.72	97.10	46,235	44.90	2.30
2006-07	68.69	102.60	50,663	45.10	2.30
2007-08	71.27	107.90	53,583	43.90	4.00
2008-09	76.16	112.20	55,562	42.80	4.20
2009-10	79.98	116.40	60,267	43.10	4.50
2010-11	82.31	121.80	63,024	43.00	4.90
2011-12	86.66	127.90	66,450	44.70	5.50
2012-13	90.40	132.40	69,731	46.10	5.90
2013-14	95.79	137.70	74,752	47.90	6.20
2014-15	102.60	146.31	78,484	48.14	6.69
2015-16	107.62	155.49	82,929	43.58	7.02
2016-17	114.31	165.40	88,137	43.54	7.39
2017-18	125.90	176.35	95,217	41.46	7.66
2018-19	135.73	187.75	1,03,318	40.42	8.11
2019-20	141.64	198.41	1,14,383	36.74	8.60
2020-21	147.25	210.00	1,22,050	36.90	8.79
2021-22	162.48	221.10	1,29,600	33.10	9.29
2022-23	175.45	230.60	1,38,376	33.60	9.77
2023-24	N.A.	239.30	1,42,772	33.70	10.25

Note : N.A.: Not available.

Source : 1. *Basic Animal Husbandry Statistics 2024*, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dahd.gov.in>)
 2. *Handbook on Fisheries Statistics 2023*, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India.
 3. *Agricultural Statistics at a Glance 2020*, Directorate of Economics & Statistics, Department of Agriculture, Cooperation & Farmers Welfare Ministry of Agriculture & Farmers Welfare, Govt. of India.

Table 3.7: All India estimates of per capita availability of milk and egg during 1984-85 to 2023-24

Year (March to February)	Human Population (million no.)	Per capita availability of milk (g/day)	Per capita availability of egg (number/annum)
1984-85	739	154	19
1985-86	755	160	21
1986-87	771	164	22
1987-88	788	162	23
1988-89	805	165	24
1989-90	822	171	25
1990-91	839	176	25
1991-92	856	178	26
1992-93	872	182	26
1993-94	892	186	27
1994-95	910	192	29
1995-96	928	195	29
1996-97	946	200	29
1997-98	964	205	30
1998-99	983	210	30
1999-00	1001	214	30
2000-01	1019	217	36
2001-02	1040	222	37
2002-03	1056	224	38
2003-04	1072	225	38
2004-05	1089	233	42
2005-06	1106	241	42
2006-07	1122	251	45
2007-08	1138	260	47
2008-09	1154	266	48
2009-10	1170	273	51
2010-11	1186	281	53
2011-12	1210	290	55
2012-13	1212	299	57
2013-14	1228	307	60
2014-15	1244	322	62
2015-16	1260	337	66
2016-17	1275	355	68
2017-18	1290	375	73
2018-19	1305	394	79
2019-20	1334	406	86
2020-21	1349	427	90
2021-22	1363	446	95
2022-23	1376	459	101
2023-24	1388	471	103

Source : *Basic Animal Husbandry Statistics 2024*, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dahd.gov.in>)

**Table 3.8: Species wise incidence of livestock diseases in India during 2023
(January-December)**

(Number)				
Disease	Species	Outbreak	Attack	Death
Foot & Mouth Disease	Bovine	38	1978	159
Haemorrhagic Septicaemia	Bovine	100	673	49
	Buffalo	6	18	5
	Ovine/Caprine	46	104	0
	Total	152	795	54
Black Quarter	Bovine	13	80	44
Anthrax	Bovine	7	64	64
	Ovine/Caprine	10	25	27
	Total	17	89	91
Fascioliasis	Bovine	1	15	1
Enterotoxaemia	Ovine/Caprine	7	34	20
Sheep & Goat Pox	Ovine/Caprine	36	1050	234
Blue Tongue	Ovine/Caprine	2	92	38
Contagious Caprine Pleuropneumonia	Ovine/Caprine	10	117	46
Classical Swine Fever	Swine	23	772	239
Salmonellosis	Avian	1	5471	985
Ranikhet Disease	Avian	92	18046	7688
Fowl Pox	Avian	35	11296	2255
Fowl Cholera	Avian	9	1283	204
Marek's Disease	Avian	2	21	21
Infectious Bursal Disease (IBD)	Avian	52	17701	3817
Chronic Respiratory Disease (CRD)	Avian	11	334	26
Rabies	Bovine	3	10	8
Babesiosis	Bovine	17	715	3
Trypanosomiasis	Bovine	6	365	6
	Buffalo	1	43	0
	Total	7	408	6
Pestedes Petits Ruminants (PPR)	Ovine/Caprine	86	6921	695
Anaplasmosis	Bovine	2	2	0
Brucellosis	Bovine	8	22	0
Glanders	Equine	17	35	18
African Swine Fever	Swine	64	4046	3368
Theileriosis	Bovine	4	25	18

Source : Basic Animal Husbandry Statistics 2024, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dahd.gov.in>).

Table 3.9: State-wise Estimates of Milk Production and Per Capita Availability of Milk during 2021-22 to 2023-24

(Production: 000' t, Per Capita Availability: g/day)

States/Union Territories	2021-22		2022-23		2023-24	
	Production	Per Capita Availability	Production	Per Capita Availability	Production	Per Capita Availability
Andhra Pradesh	15403.08	799	15448.42	799	13994.40	719
Arunachal Pradesh	46.01	82	45.54	81	20.00	35
Assam	982.02	77	1006.42	78	1092.23	84
Bihar	12252.53	270	12502.70	274	12852.99	277
Chhattisgarh	1848.35	172	1955.51	180	2124.03	192
Goa	63.21	111	64.18	112	63.66	110
Gujarat	16722.11	656	17280.57	670	18311.80	700
Haryana	11629.52	1081	11965.79	1098	12220.20	1105
Himachal Pradesh	1615.29	599	1617.41	596	1748.96	640
Jammu & Kashmir	2726.79	557	2817.31	572	2874.73	577
Jharkhand	2629.37	187	2774.09	195	3025.00	209
Karnataka	11795.79	483	12829.29	523	13463.07	543
Kerala	2532.46	196	2579.76	198	2579.99	197
Madhya Pradesh	19004.25	616	20122.43	644	21326.38	673
Maharashtra	14304.51	315	15041.86	329	16045.41	347
Manipur	75.55	65	71.87	62	63.37	54
Meghalaya	90.23	75	93.51	77	97.04	79
Mizoram	24.59	55	24.48	55	25.43	56
Nagaland	61.07	76	49.57	61	52.79	65
Odisha	2402.06	144	2476.42	148	2635.99	156
Punjab	14076.76	1271	14301.45	1283	14000.18	1245
Rajasthan	33264.70	1150	33306.80	1138	34733.00	1171
Sikkim	86.52	350	86.53	347	80.99	321
Tamil Nadu	10107.43	362	10316.75	369	10807.84	384
Telangana	5807.78	422	5854.96	423	5839.56	419
Tripura	216.96	146	230.12	153	247.30	163
Uttar Pradesh	33873.61	392	36241.74	426	38779.57	450
Uttarakhand	1856.27	446	1858.55	442	1897.84	446
West Bengal	6414.48	179	6969.40	194	7649.74	211
A&N Islands	16.78	115	17.20	117	17.61	119
Chandigarh	57.07	129	56.19	126	58.87	131
Ladakh	29.37	248	30.60	280	29.31	267
DNHDD	1.66	4	1.80	4	1.82	4
Delhi	N.A.	N.A.	487.74	64	487.74	62
Lakshadweep	0.42	17	0.41	16	0.39	15
Puducherry	49.97	87	49.65	85	49.75	83
All India	222068.56	444	230577.03	459	239298.99	471

Note : 1. N.A.: Not available, 2. *: Due to non-availability of data previous year estimates have been used, 3. Till 2019-20 Ladakh includes in J&K and Ladakh 2020-21 includes only Winter season data., 4. Till 2019-20 UTs namely D&N Haveli, Daman & Diu were separate UTs but in 2020 both UTs merged and become one i.e., Dadra & Nagar Haveli and Daman & Diu.

Source : *Basic Animal Husbandry Statistics 2024*, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dahd.gov.in>).

State-wise production of milk during 2021-22, 2022-23 and 2023-24

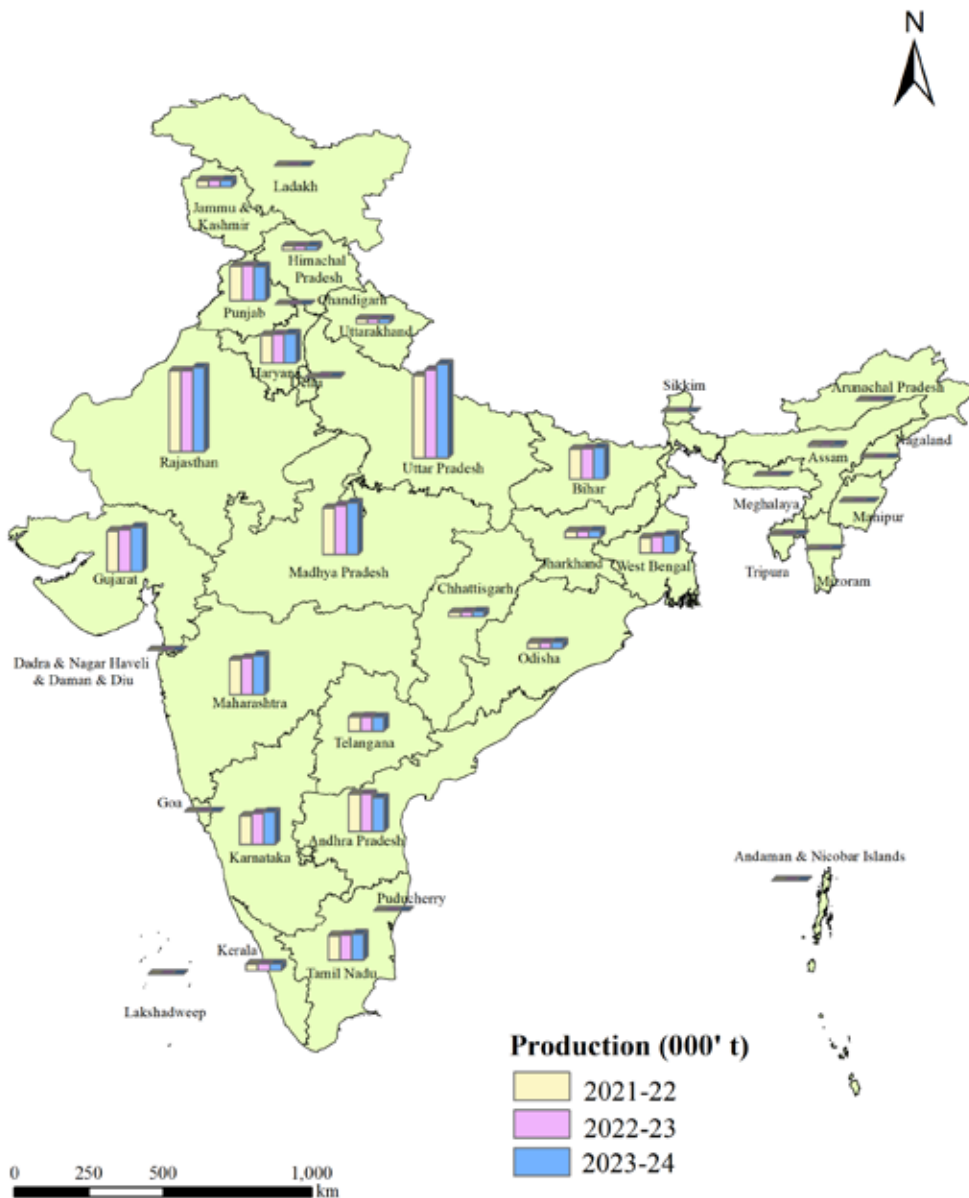


Table 3.10: State-wise estimates of production and per capita availability of eggs during 2021-22 to 2023-24

(Production: lakh numbers, Per Capita Availability: Number/Annum)

States/Union Territories	2021-22		2022-23		2023-24	
	Production	Per Capita Availability	Production	Per Capita Availability	Production	Per Capita Availability
Andhra Pradesh	264502.90	501	278498.00	526	254874.48	479
Arunachal Pradesh	666.62	43	658.13	43	459.35	29
Assam	5421.70	15	5590.00	16	6228.68	17
Bihar	30665.62	25	32743.47	26	34400.50	27
Chhattisgarh	20315.87	69	22101.52	74	23875.50	79
Goa	438.32	28	423.70	27	429.35	27
Gujarat	19494.28	28	18789.54	27	18929.57	26
Haryana	77475.78	263	81806.37	274	85595.79	283
Himachal Pradesh	1016.01	14	914.06	12	857.55	11
Jammu & Kashmir	1830.88	14	1787.13	13	1832.00	13
Jharkhand	8769.83	23	9190.51	24	10480.00	27
Karnataka	82638.15	124	90087.04	134	94591.00	140
Kerala	22300.80	63	22475.11	63	24052.61	67
Madhya Pradesh	29092.25	34	31850.38	37	34918.50	40
Maharashtra	70182.86	56	73843.89	59	77938.20	62
Manipur	1148.39	36	1215.64	38	1627.03	50
Meghalaya	1114.62	34	1128.15	34	1172.79	35
Mizoram	407.50	34	397.10	32	400.06	32
Nagaland	353.99	16	355.27	16	443.38	20
Odisha	30785.18	67	34108.18	74	37229.33	80
Punjab	60663.83	200	62603.29	205	47061.57	153
Rajasthan	26884.00	34	27606.49	34	30873.25	38
Sikkim	82.45	12	98.06	14	125.72	18
Tamil Nadu	208335.87	273	215606.61	281	223325.33	291
Telangana	166708.39	442	176706.42	466	183850.16	483
Tripura	3153.37	77	3280.16	80	3595.76	87
Uttar Pradesh	40411.68	18	45585.48	20	59206.69	25
Uttarakhand	5136.96	45	5413.02	47	5940.78	51
West Bengal	114520.04	117	137541.42	139	162394.33	164
A&N Islands	1158.99	290	1096.63	273	750.79	186
Chandigarh	114.61	9	46.46	4	23.66	2
Ladakh	20.44	6	20.21	7	35.55	12
DNHDD	5.02	0.47	8.96	1	9.05	1
Delhi	0.00	N.A.	0.00	0.00	0.00	0
Lakshadweep	71.97	106	72.42	106	73.63	107
Puducherry	113.87	7	113.96	7	114.09	7
All India	1296003.08	95	1383762.78	101	1427716.03	103

Note : 1. N.A.: Not available, 2. *: Due to non-availability of data previous year estimates have been used, 3. Till 2019-20 Ladakh includes in J&K and Ladakh 2020-21 includes only Winter season data., 4. Till 2019-20 UTs namely D&N Haveli, Daman & Diu were separate UTs but in 2020 both UTs merged and become one

Source : Basic Animal Husbandry Statistics 2024, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dahd.gov.in>)

State-wise production of egg during 2021-22, 2022-23 and 2023-24

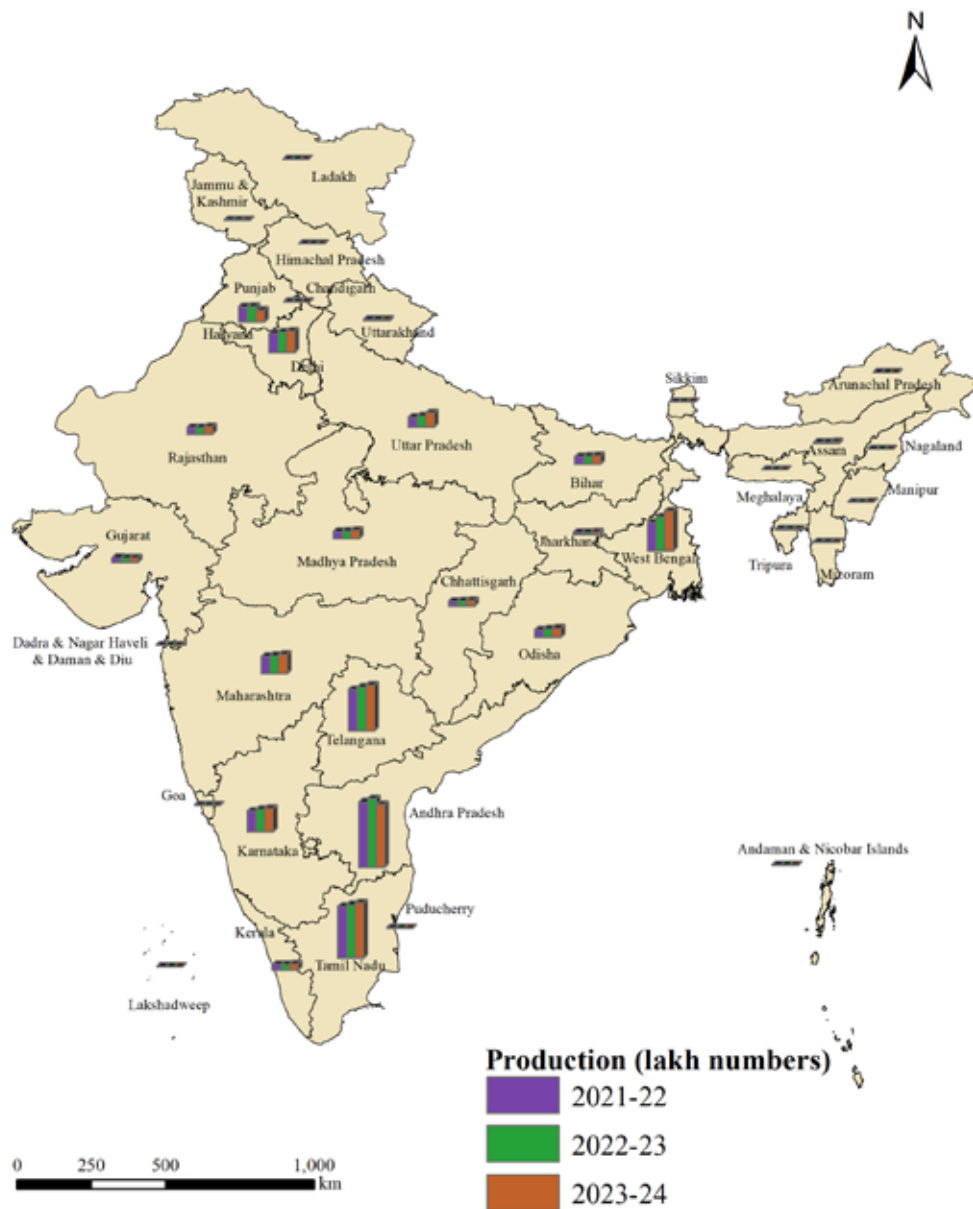


Table 3.11: State-wise estimates of meat production during 2018-19 to 2023-24

(000' t)

States/UT	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Andhra Pradesh	780.61	850.39	954.11	1025.59	1094.26	1067.88
Arunachal Pradesh	21.87	22.67	22.34	22.08	23.55	19.66
Assam	50.40	52.96	54.42	56.06	58.24	68.68
Bihar	364.85	383.51	397.03	392.44	396.29	404.30
Chhattisgarh	60.88	66.04	46.76	50.33	54.55	60.93
Goa	7.92	7.21	6.05	5.93	7.29	7.80
Gujarat	33.33	33.47	32.88	34.99	34.99	37.45
Haryana	511.99	553.87	596.60	641.06	665.24	690.58
Himachal Pradesh	4.60	4.76	4.31	4.73	5.43	5.54
Jammu & Kashmir	91.61	95.44	88.20	88.16	89.51	91.30
Jharkhand	62.39	67.25	70.24	78.68	83.52	91.06
Karnataka	253.60	304.85	364.28	395.53	433.31	454.00
Kerala	457.41	452.71	461.44	463.51	472.90	517.96
Madhya Pradesh	97.37	106.50	116.34	127.04	138.95	152.25
Maharashtra	1020.60	1139.88	1108.91	1138.22	1123.85	1156.98
Manipur	28.05	28.70	29.30	29.42	29.37	31.24
Meghalaya	45.25	46.35	39.36	37.30	51.60	54.90
Mizoram	16.11	16.41	15.06	14.70	15.53	16.31
Nagaland	32.28	32.09	23.87	24.10	23.31	24.22
Odisha	201.82	205.17	213.10	216.20	226.87	242.30
Punjab	231.32	248.38	223.74	227.78	252.24	263.24
Rajasthan	191.66	199.59	212.58	220.61	240.28	247.98
Sikkim	3.72	3.76	3.12	3.06	4.99	5.05
Tamil Nadu	633.80	663.46	669.48	685.89	704.38	767.70
Telangana	754.06	848.16	920.25	1004.99	1080.62	1112.73
Tripura	47.82	50.57	52.18	54.09	56.45	59.71
Uttar Pradesh	1227.09	1166.00	1037.55	1127.60	1191.77	1259.77
Uttarakhand	29.18	25.26	18.58	18.43	21.24	24.56
West Bengal	831.28	902.86	994.02	1080.37	1165.71	1293.85
A&N Islands	5.43	5.63	5.65	5.78	5.55	5.79
Chandigarh	0.95	0.80	0.66	0.64	0.60	0.65
Ladakh	0.00	0.00	0.02	1.75	1.44	1.45
DNHDD	0.18	0.22	0.31	0.32	0.05	0.05
Delhi	0.00	0.00	0.00	0.00	0.00	0.00
Lakshadweep	0.42	0.43	0.55	0.12	0.12	0.11
Puducherry	14.63	14.64	14.63	14.64	14.64	14.66
All India	8114.45	8599.97	8797.91	9292.13	9768.64	10252.65

Note : 1. N.A.: Not available, 2. *: Due to non-availability of data previous year estimates have been used, 3. Till 2019-20 Ladakh includes in J&K and Ladakh 2020-21 includes only Winter season data., 4. Till 2019-20 UTs namely D&N Haveli, Daman & Diu were separate UTs but in 2020 both UTs merged and become one i.e., Dadra & Nagar Haveli and Daman & Diu

Source : *Basic Animal Husbandry Statistics 2024*, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dahd.gov.in>)

State-wise production of meat during 2021-22, 2022-23 and 2023-24

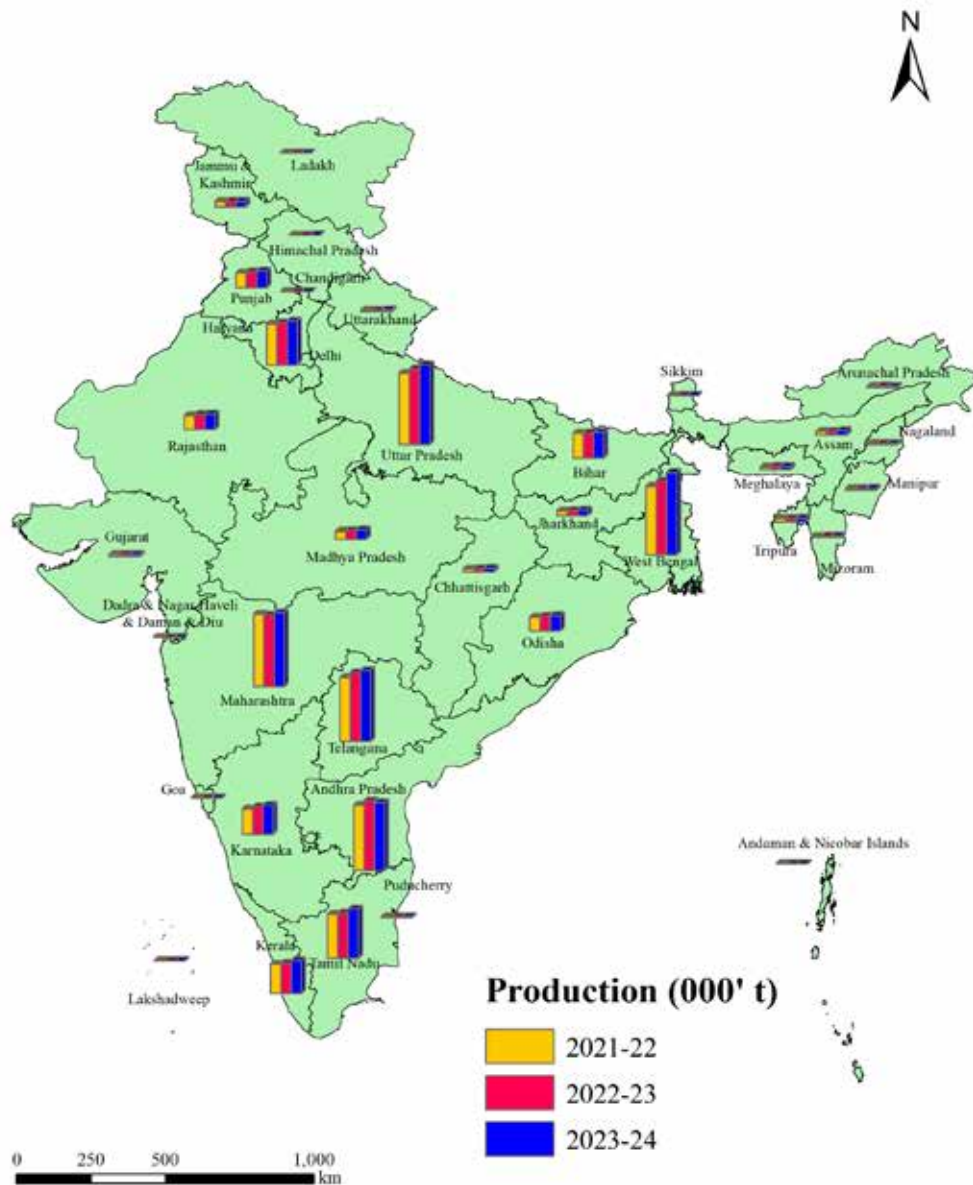


Table 3.12: State-wise estimates of wool production during 2017-18 to 2023-24

(000' kg.)

States/Union Territories	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Andhra Pradesh	794.39	797.12	801.14	0.00	0.00	0.00	0.00
Arunachal Pradesh	60.40	42.63	43.00	20.42	14.97	20.32	13.98
Bihar	298.10	312.38	310.78	170.16	171.74	175.26	173.50
Chhattisgarh	81.77	81.95	82.99	80.04	81.39	78.23	75.29
Gujarat	2294.96	2270.51	2232.72	2003.83	2027.41	2018.94	2083.50
Haryana	693.39	718.50	729.52	687.22	700.54	687.58	660.00
Himachal Pradesh	1481.87	1503.14	1516.44	1482.24	1432.85	1434.90	1422.69
Jammu & Kashmir	7489.43	7629.28	7477.12	7649.74	7680.82	7580.12	7770.00
Jharkhand	186.59	198.59	209.97	216.87	231.52	236.97	246.50
Karnataka	4305.00	3057.92	1742.14	1051.79	862.26	732.67	659.00
Madhya Pradesh	408.16	410.17	411.85	431.07	439.80	425.61	340.87
Maharashtra	1436.77	1456.93	1412.27	1550.22	1584.81	1591.63	1601.28
Punjab	514.70	524.85	525.36	455.81	449.10	459.22	560.42
Rajasthan	14287.42	14521.84	12716.83	15676.45	15207.33	16128.87	16013.50
Tamil Nadu	1.96	2.28	2.22	1.68	1.71	1.67	1.96
Telangana	4506.02	4263.51	3960.14	3366.06	0.00	0.00	0.00
Uttar Pradesh	1299.62	1315.97	1328.64	886.28	815.09	819.08	829.43
Uttarakhand	564.07	551.98	496.69	436.01	443.23	451.72	461.60
West Bengal	758.10	760.43	762.96	764.83	768.95	769.27	772.76
Ladakh	N.A	N.A	N.A	0.00	2.43	2.41	2.41
All India	41462.71	40420.00	36760.57	36930.72	32915.93	33614.48	33688.69

Note : 1. N.A.: Not available, 2. *: Due to non-availability of data previous year estimates have been used, 3. Till 2019-20 Ladakh includes in J&K and Ladakh 2020-21 includes only Winter season data., 4. Till 2019-20 UTs namely D&N Haveli, Daman & Diu were separate UTs but in 2020 both UTs merged and become one i.e., Dadra & Nagar Haveli and Daman & Diu.

Source : *Basic Animal Husbandry Statistics 2024*, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dahd.gov.in>).

State-wise production of wool during 2021-22, 2022-23 and 2023-24

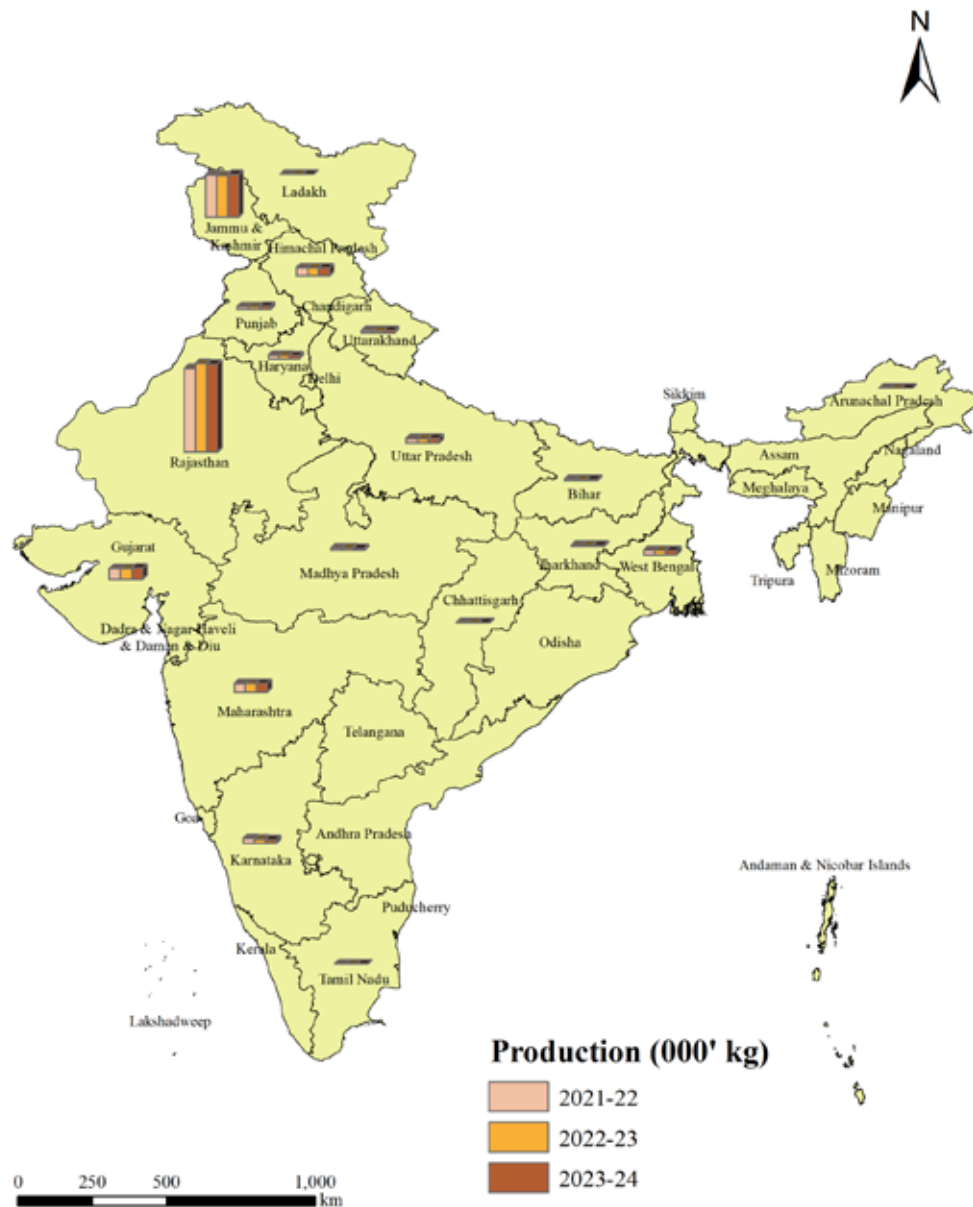


Table 3.13: State-wise number of Veterinary Institutions (as on 31.03.2024)

States/Union Territories	Veterinary Hospitals/ Polyclinics	Veterinary Dispensaries	Veterinary Aid Centre (Stockmen Centres/ Mobile dispensaries)	Total
Andhra Pradesh	337	1577	1558	3472
Arunachal Pradesh	16	183	311	510
Assam	21	431	767	1219
Bihar	1096	39	1595	2730
Chhattisgarh	364	847	55	1266
Goa	5	25	47	77
Gujarat	34	891	1139	2064
Haryana	1050	1815	91	2956
Himachal Pradesh	466	1762	1228	3456
Jammu & Kashmir	19	1256	225	1500
Jharkhand	35	424	433	892
Karnataka	697	2176	1381	4254
Kerala	279	870	15	1164
Madhya Pradesh	1063	1583	65	2711
Maharashtra	39	1976	2841	4856
Manipur	59	151	23	233
Meghalaya	4	126	121	251
Mizoram	11	67	69	147
Nagaland	13	55	100	168
Odisha	62	479	3553	4094
Punjab	1389	1489	22	2900
Rajasthan	3066	7167	102	10335
Sikkim	23	74	49	146
Tamil Nadu	182	2766	921	3869
Telangana	107	909	1101	2117
Tripura	16	65	462	543
Uttarakhand	331	10	779	1120
Uttar Pradesh	2208	267	2575	5050
West Bengal	113	616	2609	3338
A & N Islands*	10	13	49	72
Chandigarh	5	9	N.A.	14
Ladakh	4	9	127	140
DNHDD	1	2	12	15
Delhi	48	29	N.A.	77
Lakshadweep	0	9	0	9
Puducherry	N.A.	17	107	124
All India	13173	30184	24532	67889

Note : * Previous year data used, N.A.: Not Available

Source : *Basic Animal Husbandry Statistics 2024*, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dahd.gov.in>).

State-wise number of Veterinary Institutions (as on 31.03.2024)

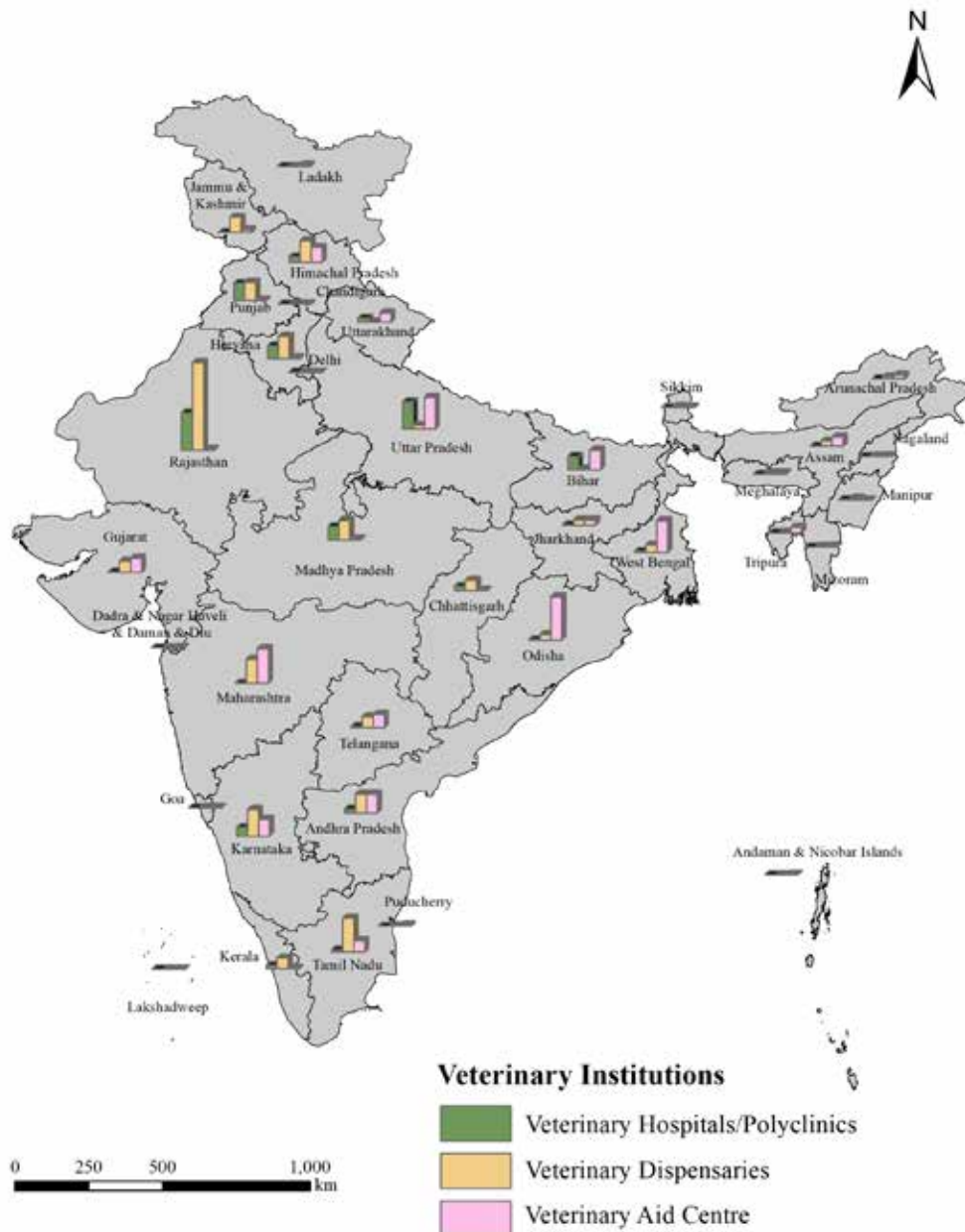


Table 3.14: Achievement of some of the key components of dairy development in different states under cooperative sector during 2011-12

State/Union Territories	DCS Organised (No.)	Farmer Members (000')	Rural Milk Procurement (000' Kg./Day)	Liquid Milk Sale (000' L/Day)
Andhra Pradesh	4979	854	1503	1680
Assam	188	5	7	33
Bihar	11131	614	1061	521
Chhattisgarh	794	33	30	35
Delhi	N.A.	N.A.	N.A.	3050
Goa	178	19	41	69
Gujarat	14631	3041	10450	3512
Haryana	7029	313	534	370
Himachal Pradesh	765	32	68	23
Jharkhand	53	1	5	271
Karnataka	12925	2191	4277	2892
Kerala	3695	859	802	1167
Madhya Pradesh	6744	285	721	525
Maharashtra	21631	1827	3130	2070
Nagaland	49	2	2	4
Odisha	3337	191	300	316
Puducherry	102	36	30	100
Punjab	7639	403	1110	866
Rajasthan	16809	683	1742	1544
Sikkim	289	10	13	21
Tamil Nadu	10418	2184	2161	941
Tripura	84	6	3	13
Uttar Pradesh	22450	978	497	349
West Bengal	3045	215	219	37
Total	148965	14782	28706	20485

Note : 1. Chhattisgarh and Jharkhand started reporting separately from 2003-04, 2. DCS: Dairy Cooperative Societies, 3. N.A.: Not available.

Source : *Basic Animal Husbandry Statistics 2013*, Department of Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture & Farmers Welfare, Govt. of India. (Website: <http://www.dahd.nic.in>)

Table 3.15: Trend of growth of fish production in India

(lakh t)

Year	Fish production			Annual growth rate (%)		
	Marine	Inland	Total	Marine	Inland	All India
1950-51	5.34	2.18	7.52	N.A.	N.A.	N.A.
1980-81	15.55	8.87	24.42	N.A.	N.A.	N.A.
1981-82	14.45	9.99	24.44	-7.07	12.63	0.08
1982-83	14.27	9.40	23.67	-1.25	-5.91	-3.15
1983-84	15.19	9.87	25.06	6.45	5.00	5.87
1984-85	16.98	11.03	28.01	11.78	11.75	11.77
1985-86	17.16	11.60	28.76	1.06	5.17	2.68
1986-87	17.13	12.29	29.42	-0.17	5.95	2.29
1987-88	16.58	13.01	29.59	-3.21	5.86	0.58
1988-89	18.17	13.35	31.52	9.59	2.61	6.52
1989-90	22.75	14.02	36.77	25.21	5.02	16.66
1990-91	23.00	15.36	38.36	1.10	9.56	4.32
1991-92	24.47	17.10	41.57	6.39	11.33	8.37
1992-93	25.76	17.89	43.65	5.27	4.62	5.00
1993-94	26.49	19.95	46.44	2.83	11.51	6.39
1994-95	26.92	20.97	47.89	1.62	5.11	3.12
1995-96	27.07	22.42	49.49	0.56	6.91	3.34
1996-97	29.67	23.81	53.48	9.60	6.20	8.06
1997-98	29.50	24.38	53.88	-0.57	2.39	0.75
1998-99	26.96	26.02	52.98	-8.61	6.73	-1.67
1999-00	28.52	28.23	56.75	5.79	8.49	7.12
2000-01	28.11	28.45	56.56	-1.44	0.78	-0.33
2001-02	28.30	31.26	59.56	0.68	9.88	5.30
2002-03	29.90	32.10	62.00	5.65	2.69	4.10
2003-04	29.41	34.58	63.99	-1.64	7.73	3.21
2004-05	27.79	35.26	63.05	-5.51	1.97	-1.47
2005-06	28.16	37.56	65.72	1.33	6.52	4.23
2006-07	30.24	38.45	68.69	7.39	2.37	4.52
2007-08	29.20	42.07	71.27	-3.44	9.41	3.76
2008-09	29.78	46.38	76.16	1.99	10.24	6.86
2009-10	31.04	48.94	79.98	4.23	5.52	5.02
2010-11	32.50	49.81	82.31	4.70	1.78	2.91
2011-12	33.72	52.94	86.66	3.75	6.28	5.28
2012-13	33.21	57.19	90.40	-1.51	8.03	4.32
2013-14	34.43	61.36	95.79	3.67	7.29	5.96
2014-15	35.69	66.91	102.60	3.66	9.04	7.11
2015-16	36.00	71.62	107.62	0.87	7.04	4.89
2016-17	36.25	78.06	114.31	1.14	8.63	6.12
2017-18	37.56	89.48	127.07	3.61	14.62	11.13
2018-19	38.53	97.20	135.73	2.58	8.62	6.84
2019-20	37.27	104.37	141.64	-3.20	7.37	4.35
2020-21	34.76	112.49	147.25	-6.7	7.80	4.00
2021-22	41.27	121.21	162.48	18.7	7.76	10.34
2022-23	44.32	131.13	175.45	7.39	8.18	7.98

Note : N.A. : Not available.

Source : *Handbook on Fisheries Statistics 2023*, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (<http://www.dof.gov.in>).

Table 3.16: State-wise marine and inland fish production

(lakh t)

States/ Union Territories	2019-20			2020-21			2021-22			2022-23		
	Inland	Marine	Total	Inland	Marine	Total	Inland	Marine	Total	Inland	Marine	Total
Andhra Pradesh	36.1	5.64	41.74	40.7	5.54	46.24	42.19	5.94	48.13	45.06	6.00	51.06
Arunachal Pradesh	0.05	0	0.05	0.05	0	0.05	0.05	0	0.05	0.09	0.00	0.09
Assam	3.73	0	3.73	3.93	0	3.93	4.17	0	4.17	4.43	0.00	4.43
Bihar	6.41	0	6.41	6.83	0	6.83	7.62	0	7.62	8.46	0.00	8.46
Chhattisgarh	5.72	0	5.72	5.77	0	5.77	5.91	0	5.91	6.52	0.00	6.52
Goa	0.04	1.01	1.05	0.05	1.06	1.11	0.05	1.11	1.16	0.06	1.34	1.4
Gujarat	1.58	7.01	8.59	1.57	6.83	8.4	1.86	6.88	8.74	1.94	7.03	8.97
Haryana	1.91	0	1.91	2.03	0	2.03	2.08	0	2.08	2.12	0.00	2.12
Himachal Pradesh	0.14	0	0.14	0.15	0	0.15	0.16	0	0.16	0.17	0.00	0.17
Jharkhand	2.23	0	2.23	2.38	0	2.38	2.57	0	2.57	2.80	0.00	2.8
Karnataka	2.29	4.03	6.32	2.61	3.47	6.08	4.85	5.89	10.74	4.95	7.30	12.25
Kerala	2.05	4.75	6.8	2.24	3.92	6.16	2.25	6.01	8.26	2.30	6.91	9.21
Madhya Pradesh	2	0	2	2.49	0	2.49	2.93	0	2.93	3.42	0.00	3.42
Maharashtra	1.18	4.43	5.61	1.25	3.99	5.24	1.57	4.33	5.9	1.44	4.46	5.9
Manipur	0.32	0	0.32	0.33	0	0.33	0.33	0	0.33	0.34	0.00	0.34
Meghalaya	0.14	0	0.14	0.16	0	0.16	0.18	0	0.18	0.19	0.00	0.19
Mizoram	0.07	0	0.07	0.05	0	0.05	0.05	0	0.05	0.05	0.00	0.05
Nagaland	0.09	0	0.09	0.09	0	0.09	0.09	0	0.09	0.09	0.00	0.09
Odisha	6.6	1.58	8.18	7.01	1.72	8.73	7.89	2.01	9.9	8.39	2.13	10.52
Punjab	1.51	0	1.51	1.65	0	1.65	1.9	0	1.9	1.85	0.00	1.85
Rajasthan	1.16	0	1.16	0.6	0	0.6	0.66	0	0.66	0.79	0.00	0.79
Sikkim	0	0	0	0	0	0	0	0	0	0.01	0.00	0.01

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States/ Union Territories	2019-20			2020-21			2021-22			2022-23		
	Inland	Marine	Total	Inland	Marine	Total	Inland	Marine	Total	Inland	Marine	Total
Tamil Nadu	1.74	5.83	7.57	1.75	5.48	7.23	2.12	5.95	8.07	2.32	5.97	8.29
Telangana	3	0	3	3.49	0	3.49	3.9	0	3.9	4.38	0.00	4.38
Tripura	0.78	0	0.78	0.82	0	0.82	0.82	0	0.82	0.83	0.00	0.83
Uttar Pradesh	6.99	0	6.99	7.46	0	7.46	8.09	0	8.09	9.15	0.00	9.15
Uttarakhand	0.05	0	0.05	0.06	0	0.06	0.06	0	0.06	0.07	0.00	0.07
West Bengal	16.19	1.63	17.82	16.69	1.55	18.24	16.52	1.91	18.43	18.56	1.89	20.45
Andaman & Nicobar Islands	0	0.4	0.4	0	0.43	0.43	0	0.44	0.44	0.00	0.47	0.47
Chandigarh	0.01	0	0.01	0	0	0	0	0	0	0.00	0.00	0
DNHDD	0	0.32	0.32	0	0.3	0.3	0	0.3	0.3	0.00	0.29	0.29
Delhi	0.01	0	0.01	0	0	0	0	0	0	0.00	0.00	0
Jammu and Kashmir	0.21	0	0.21	0.21	0	0.21	0.25	0	0.25	0.27	0.00	0.27
Ladakh	0	0	0	0	0	0	0	0	0	0.00	0.00	0
Lakshadweep	0	0.2	0.2	0	0.15	0.15	0	0.12	0.12	0.00	0.11	0.11
Puducherry	0.07	0.44	0.51	0.05	0.34	0.39	0.08	0.39	0.47	0.05	0.42	0.47
All India	104.37	37.27	141.64	112.48	34.77	147.25	121.21	41.27	162.48	131.13	44.32	175.45

Source : Handbook on Fisheries Statistics 2023, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (<http://www.dof.gov.in>)

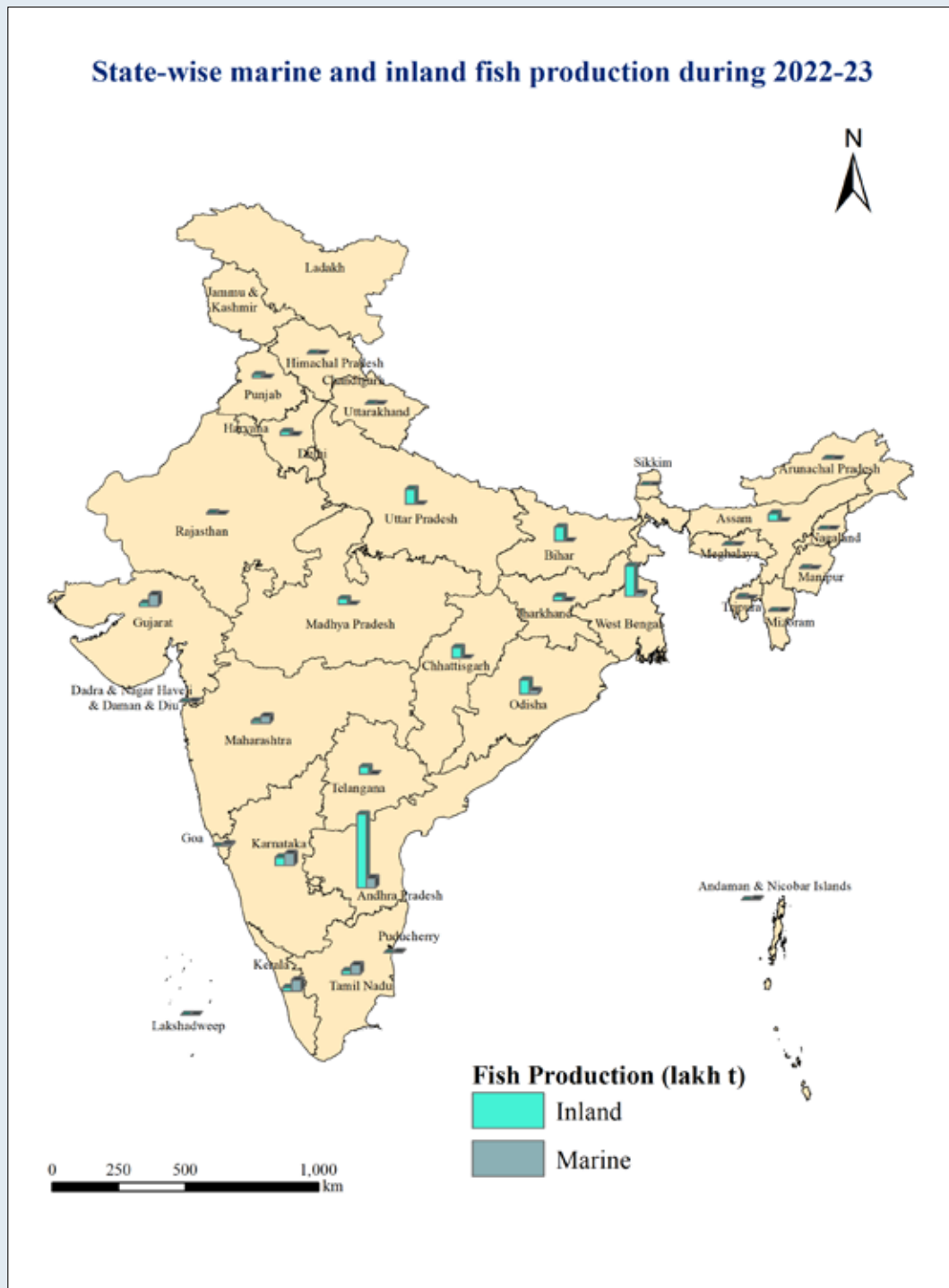


Table 3.17: State-wise trend of prawn production in India

Year	P/NP/T	Andhra Pradesh	Goa	Gujarat	Karnataka	Kerala	Maharashtra	Odisha	Tamil Nadu	West Bengal	A & N Islands	Daman & Diu	Puducherry	All India
2000-01	P	17162	2284	53983	2913	58275	28206	14585	20257	11760	298	196	3316	213235
	NP	8181	N.A.	N.A.	8951	10892	70051	3887	4594	5900	53	395	1177	114081
	T	25343	2284	53983	11864	69167	98257	18472	24851	17660	351	591	4493	327316
2001-02	P	16450	2483	48773	2248	49151	33654	15105	21079	11700	434	135	3312	204524
	NP	7729	N.A.	N.A.	6496	3615	75875	4064	4671	6000	100	379	N.A.	108929
	T	24179	2483	48773	8744	52766	109529	19169	25750	17700	534	514	3312	313453
2002-03	P	1160	2284	6710	15251	53490	45442	18398	13151	12730	418	89	3430	171553
	NP	1061	N.A.	42794	318	3342	56965	2213	10875	6110	71	302	1560	125611
	T	2221	2284	49504	15569	56832	102407	20611	24026	18840	489	391	4990	298164
2003-04	P	1160	2284	46330	10826	53437	45442	21228	16848	13050	560	46	2398	213609
	NP	1061	N.A.	9150	464	3364	56965	3023	11755	7950	128	126	1072	95058
	T	2221	2284	55480	11290	56801	102407	24251	28603	21000	688	172	3470	308667
2004-05	P	21507	7703	9302	11841	57252	31537	23398	18636	23780	560	33	2348	207897
	NP	12185	N.A.	53303	N.A.	12655	68634	2031	4263	20000	128	89	1435	174723
	T	33692	7703	62605	11841	69907	100171	25429	22899	43780	688	122	3783	382620
2005-06	P	157094	5837	15683	11690	47752	58670	22790	42096	63297	568	127	1386	426990
	NP	28769	N.A.	57378	1398	11713	67696	2429	1250	57000	128	207	270	228238
	T	185863	5837	73061	13088	59465	126366	25219	43346	120297	696	334	1656	655228
2006-07	P	22160	10250	18449	7500	58008	42519	24968	44454	52,001	407	103	79	280898
	NP	9834	N.A.	58217	351	11592	51801	3161	1342	27,967	158	107	255	164785
	T	31994	10250	76666	7,851	69600	94320	28129	45796	79,968	565	210	334	445683

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Year	P/NP/T	Andhra Pradesh	Goa	Gujarat	Karnataka	Kerala	Maharashtra	Odisha	Tamil Nadu	West Bengal	A & N Islands	Daman & Diu	Puducherry	All India
2007-08	P	24987	9545	19088	8251	55619	45352	26255	21701	54044	412	103	1674	267031
	NP	11745	N.A.	54980	549	11582	53869	2820	949	32851	173	107	609	170234
	T	36732	9545	74068	8800	67201	99221	29075	22650	86895	585	210	2283	437265
2008-09	P	27742	8693	13509	9071	68016	55956	28879	29863	43452	416	113	1578	287288
	NP	18494	N.A.	27591	741	N.A.	36231	2774	7982	25596	172	117	648	120346
	T	46236	8693	41100	9812	68016	92187	31653	37845	69048	588	230	2226	407634
2009-10	P	24329	11029	17488	16443	67573	38657	25603	30085	49734	349	139	1743	283172
	NP	19860	N.A.	30383	166	N.A.	68743	3974	8062	20988	150	34	717	153077
	T	44189	11029	47871	16609	67573	107400	29577	38147	70722	499	173	2460	436249
2010-11	P	28324	8584	22223	19873	70677	35091	27095	31947	67194	468	367	1018	312861
	NP	18884	N.A.	37182	3366	N.A.	67936	5281	8539	25105	184	110	467	167054
	T	47208	8584	59405	23239	70677	103027	32376	40486	92299	652	477	1485	479915
2011-12	P	36795	9179	16122	25088	NR	37561	27391	96272	79795	492	NR	2074	330769
	NP	16150	N.A.	41806	2557	NR	63186	4235	21443	27091	188	NR	680	177336
	T	52945	9179	57928	27645	0	100747	31626	117715	106886	680	0	2754	508105
2012-13	P	41922	8614	16605	NR	68399	42297	33199	32309	80122	520	466	2061	326514
	NP	20842	N.A.	42228	NR	1659	55964	4657	8636	31532	193	101	610	166422
	T	62764	8614	58833	0	70058	98261	37856	40945	111654	713	567	2671	492936
2013-14	P	43537	10230	16705	NR	60403	45373	28513	32314	85334	518	NR	2144	325071
	NP	21566	N.A.	42365	NR	1652	64263	5492	8686	34700	192	NR	847	179763
	T	65103	10230	59070	0	62055	109636	34005	41000	120034	710	0.00	2991	504834
2019-20	P	108000	5000	12000	22000	40000	43000	40000	2000	7000	NA	NA	3000	282000
	NP	18000	NA	41000	NA	3000	49000	4000	38000	3000	NA	NA	NA	156000
	T	126000	5000	53000	22000	43000	92000	44000	40000	10000	0	0	3000	438000

Note : 1. P: Penaeid (Penaeidae), 2. NP: Non-penaeid (Sergestidae), 3. T: Total, 4. NR: Not reported, 5. N.A.: Not available.

Source : *Handbook on Fisheries Statistics 2020*, Department of Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture & Farmers Welfare, Govt. of India.
(Website: <http://www.dof.gov.in>)

Table 3.18: Year-wise Disposition of Fish Catch in India

Year	Marketing fresh	Frozen	Curing	Canning	Reduction	Miscellaneous	Offal for reduction	Unspecified	Others	Total
1993-94	31.05	3.09	6.44	0.09	3.72	0.16	0.87	0	0	45.42
1994-95	32.5	3.1	6.51	0.12	3.97	0.39	0.74	0	0	47.33
1995-96	34.27	3.2	6.32	0.13	3.58	0.38	0.4	0	0	48.28
1996-97	37.84	3.92	6.39	0.11	3.13	0.22	0.39	0	0	52
1997-98	38.74	4.21	6.02	0.14	3.45	0.18	1.02	0	0	53.76
1998-99	38.66	3.9	5.68	0.12	3.03	0.19	0.83	0	0	52.41
1999-00	42.06	2.84	4.21	0.17	2.96	0.53	0.09	0.7	0.29	53.85
2000-01	42.87	2.76	3.39	0.5	3.17	0.01	0.34	0.69	2.36	56.09
2001-02	47.77	2.64	3.46	0.53	3.08	0.16	0.43	0.72	0.47	59.26
2002-03	47.89	3.32	3.88	0.23	2.65	0.42	0.01	0.16	0.16	58.72
2003-02	48.28	3.07	3.63	0.36	2.77	0.4	0.01	0.12	0.16	58.8
2004-05	52.83	3.85	3.3	0.45	2.69	0.01	0.4	0.16	0.17	63.86
2005-04	54.68	3.9	3.3	0.24	2.84	0.34	0.01	0.17	0.26	65.74
2006-07	55.59	3.96	3.44	0.24	2.95	0.36	0.01	0.14	0.15	66.84
2007-08	60.37	4.24	3.67	0.25	3.34	0.14	0.01	0.16	0.15	72.33
2008-09	58.04	3.78	3.35	0.31	3.13	0.45	0.01	0.17	0.15	69.39
2009-10	59.55	4.35	3.47	0.33	2.91	0.61	0	0.19	0.47	71.88
2010-11	61.18	7.33	4.11	0.47	2.83	0.74	0.01	1.37	1.83	79.87
2011-12	53.64	7.61	4.72	0.39	2.98	0	73	0.63	1.71	144.68
2012-13	58.11	9.48	3.32	0.42	3.01	0	1.51	0.71	1.68	78.24
2013-14	40.25	3.98	2.52	0.44	3.24	0	0.76	0.2	2	53.39
2014-15	46.17	4.59	2.45	0.43	3.33	0	0.9	0.21	2.18	60.26
2015-16	49.34	4.62	2.58	0.52	3.21	0	1.06	0.22	0.2	61.75
2016-17	56.12	4.61	2.67	0.5	3.25	0	1.2	0.29	2.4	71.04
2017-18	64.94	7.03	2.9	0.36	3.33	0	1.89	0.38	2.39	83.22
2018-19	74.23	9.36	6.38	1.02	3.28	2.28	0	0.05	1.43	98.03
2019-20	91.43	16.81	5.2	0.36	3.38	3.04	0.08	0.05	1.44	121.79
2020-21	105.64	18.49	3.92	0.45	3.08	3.27	0.10	0.01	2.12	137.07
2022-23	134.19	20.46	5.15	0.32	3.69	4.20	0.11	0.01	3.00	171.13

Source: Handbook on Fisheries Statistics 2023, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India.
(Website: <http://www.dof.gov.in>)

Table 3.19: State-wise disposition of fish catch in 2022-23 (lakh tonnes)

States/ Union Territories	Marketing fresh	Freezing	Curing	Canning	Reduction	Miscellaneous	Offal for reduction	Unspecified	Others	Total
Andhra Pradesh	34.51	12.65	1.08	0.16	0.27	2.28	0.11	0.00	0.00	51.06
Arunachal Pradesh	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Assam	4.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	4.05
Bihar	6.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.64	8.46
Chhattisgarh	6.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.52
Goa	1.07	0.00	0.07	0.16	0.00	0.03	0.00	0.00	0.00	1.34
Gujarat	2.80	1.80	1.79	0.00	2.59	0.00	0.00	0.00	0.00	8.97
Haryana	2.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.12
Himachal Pradesh	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17
Jharkhand	2.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80
Karnataka	8.57	1.57	0.86	0.00	0.15	1.01	0.00	0.00	0.00	12.16
Kerala	6.80	1.60	0.00	0.00	0.00	0.80	0.00	0.00	0.00	9.21
Madhya Pradesh	3.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.42
Maharashtra	3.84	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.58	4.46
Manipur	0.29	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.34
Meghalaya	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19
Mizoram	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
Nagaland	0.08	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.09
Odisha	8.86	1.02	0.63	0.00	0.00	0.00	0.00	0.00	0.00	10.52
Punjab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rajasthan	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.79
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tamil Nadu	5.78	1.23	0.60	0.00	0.00	0.00	0.00	0.00	0.67	8.29
Telangana	4.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	4.38

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States/ Union Territories	Marketing fresh	Freezing	Curing	Canning	Reduction	Miscellaneous	Offal for reduction	Unspecified	Others	Total
Tripura	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83
Uttar Pradesh	9.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	9.15
Uttarakhand	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
West Bengal	19.27	0.46	0.00	0.00	0.65	0.07	0.00	0.00	0.00	20.45
Andaman & Nicobar Islands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DNHDD	0.26	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakshadweep	0.05	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.11
Puducherry	0.36	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.45
India	134.10	20.45	5.07	0.32	3.7	4.16	0.11	0	2.99	171.01

Source : Handbook on Fisheries Statistics 2023, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dof.gov.in>)

Table 3.20: State-wise preserved and processed fish commodities in 2022-23 (In Lakh tonnes)

States/ Union Territories	1	2	3	4	5	6	7	8	9	10	11
Andhra Pradesh		0.02	0.07	0.00	0.00	0.00	0.00	2.99	0.00	0.02	0.00
Andhra Pradesh		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bihar		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chhattisgarh		0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Goa		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gujarat		0.00	1.32	2.21	1.36	0.00	0.00	0.06	0.00	0.00	0.00
Haryana		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Himachal Pradesh		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jharkhand		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Karnataka		0.05	0.76	0.12	0.83	0.00	0.00	0.06	0.01	0.01	0.00
Kerala		0.00	0.91	0.19	0.85	0.00	0.00	0.66	0.00	0.00	0.00
Madhya Pradesh		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maharashtra		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manipur		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mizoram		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland		0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Odisha		0.00	0.01	0.00	0.00	0.00	0.00	0.84	0.00	0.01	0.00
Punjab		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rajasthan		0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Sikkim		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tamil Nadu		0.08	0.49	0.00	0.00	0.00	0.00	0.85	0.00	0.04	0.00
Telangana		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uttar Pradesh		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uttarakhand		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
West Bengal		0.00	0.00	0.08	0.06	0.00	0.00	0.00	0.00	0.07	0.00
A and N Islands		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DNHDD	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lakshadweep	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Puducherry	0.00	0.07	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
India	0.16	3.65	2.62	3.14	0.00	0.00	5.48	0.01	0.15	0.00	0.00

Continued...

States/ Union Territories	Frozen squids	Dried squids	Yellowfin tuna, frozen	Mackerels, frozen	Fish, salted & dried	Lobsters, whole, frozen	Jellyfish, dried, salted or in brine	Miscellaneous	Over all Total
	12	13	14	15	16	17	18	19	20
Andhra Pradesh	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.17	3.28
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chhattisgarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Goa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	5.52
Haryana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Karnataka	0.12	0.00	0.00	0.41	0.02	0.00	0.00	1.34	3.73
Kerala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.58	9.19
Madhya Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maharashtra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Odisha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85
Punjab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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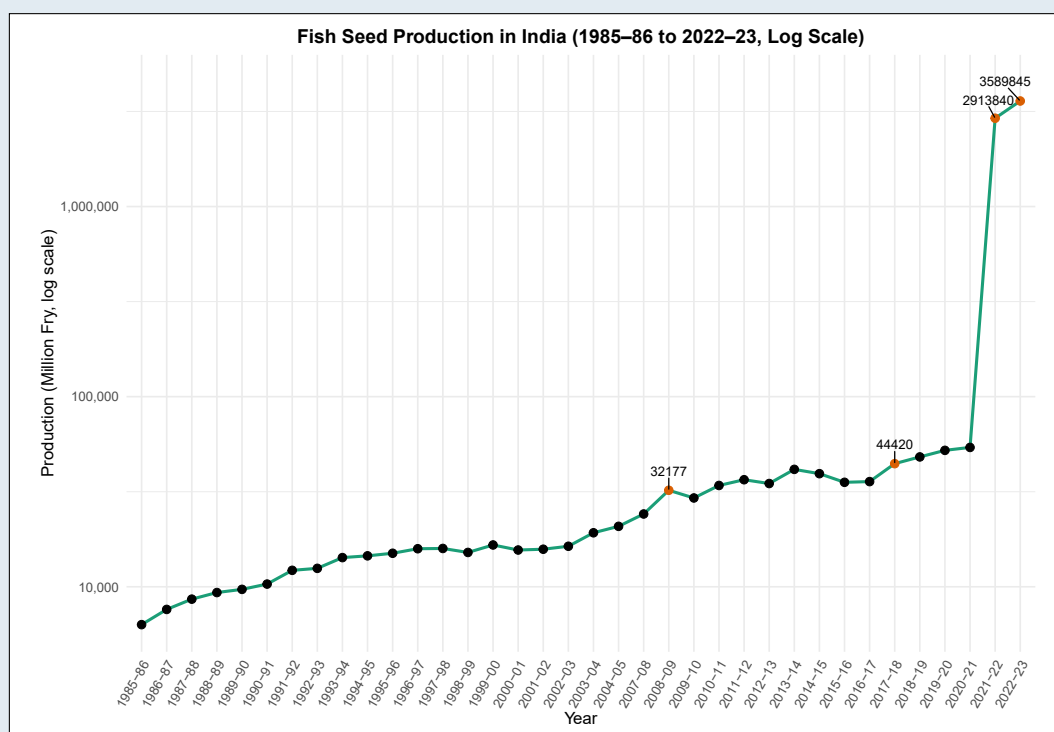
Source: *Handbook on Fisheries Statistics 2023*, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dof.gov.in>)

Table 3.21: Fish seed production in India during 1985-86 to 2022-23

Year	Production (million fry)
1985-86	6,322
1986-87	7,601
1987-88	8,608
1988-89	9,325
1989-90	9,691
1990-91	10,332
1991-92	12,203
1992-93	12,500
1993-94	14,239
1994-95	14,544
1995-96	15,007
1996-97	15,852
1997-98	15,904
1998-99	15,156
1999-00	16,589
2000-01	15,608
2001-02	15,758
2002-03	16,333

Year	Production (million fry)
2003-04	19,231
2004-05	20,791
2007-08	24,144
2008-09	32,177
2009-10	29,313
2010-11	34,109
2011-12	36,565
2012-13	34,920
2013-14	41,448
2014-15	39,348
2015-16	35,435
2016-17	35,743
2017-18	44,420
2018-19	48,197
2019-20	52,187
2020-21	54,069
2021-22	291,384
2022-23	358,985

Source: Handbook on Fisheries Statistics 2023, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (<http://www.dof.gov.in>)



**Table 3.22: Number of fishing crafts in maritime States/Union Territories
(as on 31.07.2019)**

(number)

States/ Union Territories	Deep Sea Fishing Vessel	Motorized non Mechanical	Motorized Mechanical	Non-motorized	Total
Andaman & Nicobar Islands	0	2006	114	1453	3573
Andhra Pradesh	0	23574	2093	15709	41376
Daman & Diu	2	315	1976	0	2293
Goa	0	1	2530	315	2846
Gujarat	0	11650	16513	77	28240
Karnataka	0	9185	4555	9065	22805
Kerala	51	30947	5802	2799	39599
Lakshadweep	0	1458	48	398	1904
Maharashtra	0	0	20667	7653	28320
Orissa	0	13003	1882	15039	29924
Puducherry	0	1970	1042	1834	4846
Tamil Nadu	0	36411	5878	5637	47926
West Bengal	0	6400	3098	5897	15395
Total	53	136920	66198	65876	269047

Source : *Handbook on Fisheries Statistics 2018*, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dof.gov.in>)

Table 3.23: State-wise fish seed production

States/ Union Territories	2016-17	2017-18	2018-19	2019-20	2020-21	2021-2022	2022-2023	Total
Andhra Pradesh	7923	8845	8842	5358	38126	7800	6600	83494
Arunachal Pradesh	65	70	0.00	0.00	80	0.00	0.00	215
Assam	67580	80000	98930	95190	98860	182160	2084300	2707020
Bihar	7932.2	9206	9286.5	13727.18	17069.4	19614	26696.2	103531.48
Chhattisgarh	19750.4	22186	25131.8	27386.8	28805.3	301357	34465.4	459082.7
Goa	6	7	6	3	2.5	2.5	3	30
Gujarat	5529.3	1852.3	6340.5	26083.7	9585	771.95	651.32	50814.07
Haryana	7046	4776.8	4229.6	4538.06	7784.6	1927	2272	32574.06
Himachal Pradesh	625	47	18.3	6.8	15.6	174.73	166.3	1053.73
Jharkhand	41501	103349.1	103629	105692.4	114950	1116700	944340	2530161.5
Karnataka	4998.8	2481.1	6298	5816.5	7545.6	6693.5	7078.8	40912.3
Kerala	1770.9	1730.4	944.42	1282	1342	1293.1	765.50	9128.32
Madhya Pradesh	11113	11172.3	13729.83	14592.09	14837.5	17188	21006.52	103639.24
Maharashtra	1895.5	6250	2810.87	13662.7	1964.04	6477	5593.7	38653.81
Manipur	2150	2500	4060.8	2494.8	2788	2943	2872	19808.6
Meghalaya	75.6	97	65.23	162.38	137.9	194.419	219.978	952.507
Mizoram	310	426	406.6	400	200	2500	3500	7742.6
Nagaland	480	481	760	795	798	0.00	635	3949
Odisha	7782.8	8077.4	8962.4	9471.61	11943	15100	27863	89200.21
Punjab	2375	2779.8	2977.4	2642.35	2562.57	12937	12640.7	38914.82
Rajasthan	10988.6	10653	10329.3	12264.1	10870.9	11814	11977.4	78897.3
Sikkim	23.2	6.5	16.25	16.25	14.05	0.00	0.00	76.25
Tamil Nadu	5732	5572.8	13008.7	19426.88	6032	6568	6798	63138.38

(lakhs fry)

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Telangana	1876	4179	6500	5500	6720	60000	0.00	624775
Tripura	3137	4350	0.00	0.00	0.00	0.00	0.00	7487
Uttarakhand	746.5	678.8	655.6	289.6	299.85	540	1336.04	4546.39
Uttar Pradesh	27535.6	27128.7	29342.1	30287.8	32331.2	327108.2	34677.16	508410.76
West Bengal	115700	124550	124550	124550	124550	271500	352900	1238300
Andaman & Nicobar Islands	12.8	14.7	0.00	0.00	17	18	23	85.5
Chandigarh	8	8	0.8	0.8	0.8	0.00	0.00	18.4
DNHDD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delhi	0.00	20	2	15	0.00	0.00	0.00	37
Jammu & Kashmir	770	712	205.6	209.7	457	458	464	3276.3
Ladakh	0.00	0.00	0.00	0.00	0.01	0.8	0.8	1.61
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Puducherry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
All India	357439.20	444207.70	482039.60	521865.50	540689.82	2913840.20	3589845.82	8849927.84

Source : Handbook on Fisheries Statistics 2023, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dof.gov.in>)

Table 3.24: Details of shrimp production during 2017-18

States	Tiger shrimp			Whiteleg shrimp (<i>L. vannamei</i>)			Scampi		
	Area	Production	Productivity	Area	Production	Productivity	Area	Production	Productivity
West Bengal	51084.00	49319.00	0.97	4127.00	22191.00	5.38	N.A.	5024.00	N.A.
Odisha	2624.00	3887.00	1.48	8862.00	37229.00	4.20	N.A.	1619.00	N.A.
Andhra Pradesh	1880.00	2714.00	1.44	62342.00	456300.00	7.32	N.A.	167.00	N.A.
Kerala	3144.00	1522.00	0.48	52.00	208.00	4.01	N.A.	0.00	N.A.
Gujarat	55.00	162.00	2.97	7542.00	55161.00	7.31	N.A.	1620.00	N.A.
Karnataka	302.00	59.00	0.19	399.00	1465.00	3.67	N.A.	0.00	N.A.
Tamil Nadu	10.00	28.00	2.80	8849.00	43622.00	4.93	N.A.	90.00	N.A.
Maharashtra	0.00	0.00	0.00	1291.00	6073.00	4.71	N.A.	1463.00	N.A.
Goa	0.00	0.00	0.00	32.00	78.00	2.47	N.A.	0.00	N.A.
Total	59099.00	57691.00	0.98	93496.00	622327.00	6.66	N.A.	9983.00	N.A.

Note : N.A.: Not Available

Source : *Handbook on Fisheries Statistics 2018*, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dof.gov.in>)

Table 3.25: State-wise fishermen population in 2019-20

(number)

State/UT	No. of Districts	Inland Fishermen Population		Marine Fishermen Population		Whole Population	Fishermen Population/District
		Male	Female	Male	Female		
Andhra Pradesh	13	3,33,558	2,88,293	4,61,712	4,13,125	5,39,03,393	1,15,129
Arunachal Pradesh	25	15,147	8,868	N.A.	N.A.	15,70,458	961
Assam	33	16,24,059	9,00,047	N.A.	N.A.	3,56,07,039	76,488
Bihar	38	31,27,733	28,99,642	N.A.	N.A.	12,47,99,926	1,58,615
Chhattisgarh	27	1,46,971	73,384	N.A.	N.A.	2,94,36,231	8,161
Goa	2	N.A.	N.A.	5,273	5,272	15,86,250	5,273
Gujarat	33	1,20,900	1,10,085	1,67,858	1,59,848	6,38,72,399	16,930
Haryana	22	1,17,934	521	N.A.	N.A.	2,82,04,692	5,384
Himachal Pradesh	12	10,739	1,067	N.A.	N.A.	74,51,955	984
Jharkhand	24	94,497	46,400	N.A.	N.A.	3,85,93,948	5,870
Karnataka	30	4,65,352	1,80,924	1,96,970	1,31,031	6,10,95,027	32,476
Kerala	14	1,22,377	1,17,819	4,31,447	3,72,718	3,56,99,443	74,597
Madhya Pradesh	52	12,32,957	9,99,865	N.A.	N.A.	8,53,58,964	42,939
Maharashtra	36	6,02,536	5,29,433	1,97,760	1,88,499	12,31,44,223	42,173
Manipur	16	3,278	44,433	N.A.	N.A.	30,91,545	2,982
Meghalaya	11	11,745	4,822	N.A.	N.A.	33,66,710	1,506
Mizoram	11	5,328	961	N.A.	N.A.	12,39,244	572
Nagaland	11	5,896	2,062	N.A.	N.A.	22,49,695	723

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Odisha	30	5,49,806	3,71,613	3,14,069	2,82,086	4,63,56,334	50,586
Punjab	22	7,018	573	N.A.	N.A.	3,01,41,373	345
Rajasthan	33	31,880	25,380	N.A.	N.A.	8,10,32,689	1,735
Sikkim	4	488	93	N.A.	N.A.	6,90,251	145
Tamil Nadu	37	1,25,694	1,10,220	5,35,337	5,12,500	7,78,41,267	34,696
Telangana	33	4,83,094	3,79,127	N.A.	N.A.	3,93,62,732	26,128
Tripura	8	7,718	43	N.A.	N.A.	41,69,794	970
Uttarakhand	13	7,260	1,092	N.A.	N.A.	1,12,50,858	642
Uttar Pradesh	75	21,01,383	17,98,622	N.A.	N.A.	23,78,82,725	52,000
West Bengal	23	16,29,481	12,04,093	2,46,225	1,56,462	9,96,09,303	1,40,707
A and N Islands	3	2,807	946	12,024	10,164	4,17,036	8,647
Chandigarh	1	524	N.A.	N.A.	N.A.	11,58,473	524
DNHDD	3	N.A.	N.A.	20,529	19,487	6,15,724	13,339
Delhi	11	3,316	30	N.A.	N.A.	1,87,10,922	304
Jammu & Kashmir	22	17,396	N.A.	N.A.	N.A.	1,36,06,320	791
Ladakh	2	22	N.A.	N.A.	N.A.	2,89,023	11
Lakshadweep	1	NA	N.A.	5,138	1,380	73,183	6,518
Puducherry	4	5,084	3,384	57,310	41,494	14,13,542	26,818
All India	735	1,30,13,978	1,01,03,842	26,51,652	22,94,066	1,36,48,92,691	9,56,669

Continued ...

Number of Fishermen Population engaged in Marine Fisheries activities, 2019-20										
State/UT	Full Time		Part Time		Occasional		Unspecified		Deep Sea	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Andaman and Nicobar Islands	23,629	239	2,043	610	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Gujarat	71,777	36,840	19,348	12,362	0	0	0	0	0	0
Karnataka	57,440	43,460	56,155	40,059	6,033	3,721	57,710	45,102	21,602	0
Kerala	3,24,579	2,80,374	0	0	0	0	0	0	0	0
Maharashtra	89,375	45,495	32,713	47,527	61,40	81,96	52,34	1,127	23,008	0
Tamil Nadu	2,00,268	N.A.	65,389	2,01,084	41,748	10,633	37,087	49,015	19,500	N.A.
Daman and Diu	5,093	0	68	0	52	0	0	0	0	0
Lakshadweep	2,620	481	2,518	899	0	0	0	0	0	0
Puducherry	25,024	12,153	6,359	4,396	1,000	800	2,581	10,257	25	0
All India	12,18,847		4,91,530		78,323		2,08,113		64,135	

Continued ...

Number of Fishermen Population engaged in Inland Fisheries activities 2019-20										
State/UT	Full Time		Part Time		Occasional		Unspecified			
	Male	Female	Male	Female	Male	Female	Male	Female		
Arunachal Pradesh	0	0	15347	8918	0	0	0	0		
Assam	65693	60628	281107	259530	15357	13979	N.A.	N.A.		
Bihar	39067	17734	66404	22890	49380	22164	1984507	1885950		
Chhattisgarh	159406	25340	11897	5806	7028	2911	5960	2952		
Gujarat	35118	15413	22569	4843	0	0	0	0		
Haryana	2349	2348	2790	2789	900	900	2100	2100		
Himachal Pradesh	5574	0	6301	0	0	0	0	0		
Jharkhand	14500	3200	34450	12800	35700	16200	21400	18700		
Karnataka	108656	38462	202460	83229	59665	59665	15800	1378		

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Kerala	93699	90141	0	0	0	0	0	0	0	0
Maharashtra	72641	5333	80325	18807	0	0	0	0	0	0
Meghalaya	158108	44595	64610	24331	28952	7487	19337	2093		
Mizoram	2241	742	4184	2175	412	715	615	1553		
Nagaland	1925	710	3775	2368	5480	1461	401	57		
Odisha	1358	251	2358	458	1012	100	600	152		
Rajasthan	176	79	197	340	2122	651	2122	915		
Sikkim	165270	58994	140217	57040	124373	3441	139457	111183		
Tamil Nadu	6265	0	14128	N.A.	920	N.A.	N.A.	N.A.		
Telangana	2500	127	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.		
Tripura	3727	524	4289	604	592	83	N.A.	N.A.		
Uttarakhand	1898	442	5738	1226	1171	82	398	69		
Uttar Pradesh	102316	18055	38000	N.A.	N.A.	N.A.	N.A.	N.A.		
Chandigarh	5	5	0	N.A.	N.A.	N.A.	N.A.	N.A.		
Daman and Diu	405	391	292	672	142	278	N.A.	N.A.		
Delhi	277	N.A.	489	N.A.	115	N.A.	N.A.	N.A.		
Jammu & Kashmir	16286	N.A.	880	N.A.	N.A.	N.A.	230	N.A.		
Puducherry	1530	510	510	204	250	100	100	50		
All India	13,51,316	4,94,969	12,49,414	5,99,289	2,10,531	2,10,531	22,41,254	20,82,054		

Note : NA: Not Available.

Source : *Handbook on Fisheries Statistics, 2023*, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dof.gov.in>)

Table 3.26: Marine fisheries Resources-Coastal States and Union Territories of India

State/Union Territory	Coastal length (Km)	Landing Centre	Fishing Village
Andaman & Nicobar Islands	1,912	51	169
Andhra Pradesh	974	350	555
Dadra & Nagar Haveli and Daman and Diu	27	8	12
Goa	104	32	60
Gujarat	1,600	107	260
Karnataka	300	115	162
Kerala	590	174	220
Lakshadweep	132	20	10
Maharashtra	720	173	456
Odisha	480	55	739
Puducherry	45	22	39
Tamil Nadu	1,076	301	608
West Bengal	158	49	171
Total	8,118	1,457	3,461

Source: *Handbook on Fisheries Statistics 2023*, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dof.gov.in>)

Table 3.27: State-wise brackish water area and productivity

States/Union Territories	Total brackish water area (ha)	Area under culture through BFDA's (ha)	Productivity (kg/ha/annum)
Andhra Pradesh	60,000	846	680
Goa	Neg.	574	2,000
Gujarat	1,00,000	968	1,276
Karnataka	10,000	3,022	1,826
Kerala	2,40,000	4,589	1,700
Maharashtra	10,000	1,539	600
Odisha	4,30,000	14,670	1,300
Tamil Nadu	60,000	7,548	2,000
West Bengal	2,10,000	5,994	1,106
Puducherry	Neg.	*	N.A.
A & N Islands	1,20,000	N.A.	N.A.
Total	12,40,000	39,750	12,488

Note : 1. N.A.: Not available, 2. *: No BFDA sanctioned, 3. Neg.: Negligible.

Source : *Handbook on Fisheries Statistics 2014*, Department of Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture & Farmers Welfare, Govt. of India. (Website: <http://www.dahd.nic.in>)

Table 3.28: Fish processing industries

Facilities	Number	Capacity
Preservation, processing including freezing plant	372	52.5 t/day*
Ice making plants	148	1800 t/day*
Cold storage	450	80000 t/day*
Fish meal plant	15	330 t/day*
Prawn peeling sheds	900 (Registered)	2684 t/day*

Note : *: Workshop proceedings of NCAER, March 2003.

Source : 1. Central Institute of Agricultural Engineering, NabiBagh, Berasia Road, Bhopal.

2. A profile of people – technological and policies and fisheries sector in India. (Workshop proceedings of NCAER, March 2003).

Table 3.29: State-wise inland fishery resources: 2022-23

States/ Union Territories	Rivers and Canals (Km)	Small Reservoirs		Medium & Large Reservoirs		Tanks and Ponds (Ha)	Brackish Water (Ha)	Beels/ Oxbow Lakes/ Derelict Water (Ha)	Any other than rivers and canals (Ha)
		Number	Area(ha)	Number	Area(ha)				
Andhra Pradesh	11514	90	34693	26	130698	347888	56215	130000	0
Arunachal Pradesh	11157	4	226	0	0	0	0	3277	0
Assam	11304.48	4	3096	2	1863	94693.47	0	71843.5	259369
Bihar	21354	0	0	48	64466	122418.96	0	950000	0
Chhattisgarh	3573	1757	43565	13	39035	120100	0	0	0
Goa	578.5	4	484	1	2964	101	198.86	0	0
Gujarat	3865	686	22427	227	203679	22000	187000	0	0
Haryana*	7197	14	645	0	0	16174	0	0	0
Himachal Pradesh*	3000	0	0	5	43785	878.4	0	0	0
Jharkhand	1800	412	28789.6	23	104363	86539	0	0	19936
Karnataka*	9630	34	7595	49	265063	313304	8000	0	0
Kerala	3220	37	10491	10	23714	27625	65213	0	60926
Madhya Pradesh	17088	3385	13034	27	230703	79312	0	0	0
Maharashtra	26065	2415	131366.72	81	128555	80190.3	12024.8	NA	5560
Manipur	1647	5	960	1	1182	11894.8	0	29161	0
Meghalaya*	4757.76	7	717.53	0	0	4690.94	0	303.11	302.54
Mizoram	1750	3	10	2	8000	5759.1	0	10	0
Nagaland	1600	0	0	1	2258	3623	0	1110	0
Odisha*	24877.75	603	34608	8	165771	154808	32587	180000	0

States/ Union Territories	Rivers and Canals (Km)	Small Reservoirs		Medium & Large Reservoirs		Tanks and Ponds (Ha)	Brackish Water (Ha)	Beds/ Oxbow Lakes/ Derelict Water (Ha)	Any other than rivers and canals (Ha)
		Number	Area(ha)	Number	Area(ha)				
Punjab	868	12	686.75	1	3100	16812.5	156.8	0	0
Rajasthan	30000	2388	145823	48	254475	30266	50	0	0
Sikkim	1600	9	200.56	0	0	1579	0	0	0
Tamil Nadu*	7420	54	16059	8	62015	21869113	56000	7000	35283.84
Telangana	3492	53	27017	39	156815	520302	0	0	0
Tripura	1080	0	0	1	3049.35	30171.4	0	100	1753.72
Uttarakhand*	2686	0	0	7	20587	916.14	0	0	50
Uttar Pradesh	70000	53	12899.59	29	144693	145808.68	NA	34935.1	1458000
West Bengal	27859	8	245	31	14077	288385	91130	42081	150000
Andaman and Nicobar Islands	0	7	367	0	0	195.4	618.806	0	0
Chandigarh	0	0	0	3	300	2.06	0	0	0
Dadra & Nagar Haveli and Daman and Diu	0	0	0	0	0	0	0	0	0
Delhi	50	0	0	0	0	10	0	0	0
Jammu & Kashmir*	26211	6	4230	2	6000	1701	0	0	21396
Ladakh*	4570	1	1.5	1	250	7.52	97700	0	0
Lakshadweep	0	0	0	0	0	184	0	0	0
Puducherry	92.09	N.A.	303.33	NA	1357.12	473.09	82.49	0	0
All India	341906.58	12906	754832.81	694	2082797.47	2747504.89	606976.756	1449820.71	2012577.1

Note : 1. * Meghalaya: Beels= 225.23 Lakes= 60.95, Swamps and low-lying areas= 66.94 2. * Karnataka: Saline/ Alkaline= 238893 Ha 3. * Uttarakhand: Raceways 3.38 Ha 4. * Himanchal Pradesh Raceways 4.42 Ha, 5. * Jammu & Kashmir: Raceways= 35 Ha, 6. * Ladakh: Raceways= 3.8 Ha, 7. * Odisha: Brackish Water area suitable for culture - 32587 Ha, Backwater - 8100 Ha, Brackish Water Chilika Lake - 79000 Ha, Estuaries - 297850 Ha, 8. * Haryana: Saline /Alkaline= 344 Ha, 9. * Tamil Nadu: Saline /Alkaline= 6263 Ha

Table 3.30: Major and Minor Fishing Harbours-Outlays and Expenditure, since inception of the scheme in 1964

(In Lakhs)

Plan Period	Major Harbours		Minor Harbours and fish landing center	
	Outlay	Expenditure	Outlay	Expenditure
Third Plan	5	17	0.00	0.00
Three Annual Plan (1966-67 to 1968-69)	253	3	295	157
Fourth Plan	1350	158	600	485
Fifth Plan	1800	1210	1200	321
Annual Plan				
i) 1978-79	500	308	600	394
ii) 1979-80	550	206	0.00	1
Sixth Plan	1700	1320	1900	1795
Annual Plan				
i) 1990-91	492	492	432	432
ii) 1991-92	500	545	600	600
Eighth Plan	5213	4575	4675	4903
Ninth Plan	0.00	0.00	11000	6144.96
Tenth Plan	0.00	0.00	10000	7666.84
Eleventh Plan (2007-08 to 2011-12)	0.00	0.00	21571.79	21571.79
12th Plan (Implemented from 2012-13 to 2016-17)				
2012-13	0.00	0.00	5375.86	5375.86
2013-14	0.00	0.00	5234.605	5234.605
2014-15	0.00	0.00	5393.78	5393.78
Blue Revolution Scheme for new projects (2015-16 to 2019-20)				
2015-16	0.00	0.00	10076.85	10076.85
2016-17	0.00	0.00	9210	9210
Total of 12th Plan	0.00	0.00	35291.095	35291.095
2017-18	0.00	0.00	14815	14814.97
2018-19	0.00	0.00	29356.17	29356.17
2019-20	0.00	0.00	10273.5	10273.5
Pradhan Mantri Matsya Sampada Yojana (PMMSY)				
2020-21	0.00	0.00	6661.5	6661.5
2021-22	0.00	0.00	10433.2	10433.2
2022-23	12143	12143	2515.55	2515.55
Total	26206	22661	164119.81	155986.58

Source : Handbook on Fisheries Statistics 2023, Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India. (Website: <http://www.dof.gov.in>)



भाग-IV
बागवानी

SECTION-IV
Horticulture



Table 4.1: All India area, production and productivity of horticulture crops

(Area: 000' ha, Production: 000' t, Productivity: t/ha)

Year	Fruits			Vegetables			Flowers & Aromatics		
	Area	Production	Productivity	Area	Production	Productivity	Area	Production	Productivity
2001-02	4010	43001	10.72	6156	88622	14.40	106	535	5.05
2002-03	3788	45203	11.93	6092	84815	13.92	70	735	10.50
2003-04	4661	45942	9.86	6082	88334	14.52	101	580	5.74
2004-05	5049	50867	10.07	6744	101246	15.01	118	659	5.58
2005-06	5324	55356	10.40	7213	111399	15.44	391	856	2.19
2006-07	5554	59563	10.72	7581	114993	15.17	468	1058	2.26
2007-08	5857	65587	11.20	7848	128449	16.37	563	1264	2.25
2008-09	6101	68466	11.22	7981	129077	16.17	597	1417	2.37
2009-10	6329	71516	11.30	7985	133738	16.75	692	1593	2.30
2010-11	6383	74878	11.73	8495	146554	17.25	701	1636	2.33
2011-12	6705	76424	11.40	8989	156325	17.39	760	2218	2.92
2012-13	6982	81285	11.64	9205	162187	17.62	790	2647	3.35
2013-14	7216	88977	12.33	9396	162897	17.34	748	3192	4.27
2014-15	6110	86602	14.17	9542	169478	17.76	908	3143	3.46
2015-16	6301	90183	14.31	10106	169064	16.73	912	3206	3.52
2016-17	6373	92918	14.58	10238	178172	17.40	970	3364	3.47
2017-18	6506	97358	14.96	10259	184394	17.97	1044	3651	3.49
2018-19	6597	97967	14.85	10073	183170	18.18	930	3705	3.98
2019-20	6744	102080	15.14	10310	188284	18.26	964	3734	3.87
2020-21	6930	102481	14.79	10859	200445	18.46	975	3805	3.90
2021-22	7064	107507	15.22	11374	209143	18.39	950	3477	3.66
2022-23	7025	110207	15.69	11309	212548	18.79	1039	3705	3.57
2023-24	7131	112978	15.84	11232	207208	18.45	1243	4262	3.43
2024-25*	7009	114510	16.34	11751	219674	18.69	1242	4130	3.33

Continued...

Year	Plantation Crops			Spices			Total		
	Area	Production	Productivity	Area	Production	Productivity	Area	Production	Productivity
2001-02	2984	9697	3.25	3220	3765	1.17	16592	145785	8.79
2002-03	2984	9697	3.25	3220	3765	1.17	16270	144380	8.87
2003-04	3102	13161	4.24	5155	5113	0.99	19208	153302	7.98
2004-05	3147	9835	3.13	3150	4001	1.27	18445	166939	9.05
2005-06	3283	11263	3.43	2366	3705	1.57	18707	182816	9.77
2006-07	3207	12007	3.74	2448	3953	1.61	19389	191813	9.89
2007-08	3190	11300	3.54	2617	4357	1.66	20207	211235	10.45
2008-09	3217	11336	3.52	2629	4145	1.58	20662	214716	10.39
2009-10	3265	11928	3.65	2464	4016	1.63	20876	223089	10.69
2010-11	3306	12007	3.63	2940	5350	1.82	21825	240531	11.02
2011-12	3577	16359	4.57	3212	5951	1.85	23243	257277	11.07
2012-13	3641	16985	4.66	3076	5744	1.87	23694	268848	11.35
2013-14	3675	16301	4.44	3163	5908	1.87	24198	277352	11.46
2014-15	3534	15575	4.41	3317	6108	1.84	23410	280986	12.00
2015-16	3680	16658	4.53	3474	6988	2.01	24472	286188	11.69
2016-17	3598	17972	4.99	3671	8122	2.21	24851	300643	12.10
2017-18	3744	18082	4.83	3878	8124	2.09	25431	311714	12.26
2018-19	4069	16592	4.08	4067	9500	2.34	25737	311052	12.09
2019-20	4143	16116	3.89	4291	10137	2.36	26482	320471	12.10
2020-21	4255	16629	3.91	4457	11117	2.49	27476	334603	12.18
2021-22	4293	15764	3.67	4360	11155	2.56	28042	347179	12.38
2022-23	4551	17049	3.75	4515	11830	2.62	28438	355482	12.50
2023-24	4456	17666	3.96	5024	12484	2.49	29086	354744	12.20
2024-25*	4582	16887	3.69	4683	12370	2.64	29267	367724	12.56

Note : * Figures are as per Second Advance Estimates

Source : 1. 2001-02 to 2010-11: Indian Horticulture Database, National Horticulture Board.

2. 2011-12 to 2017-18: Horticultural Statistics at a Glance 2018, Horticulture Statistics Division, Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW), Ministry of Agriculture & Farmers Welfare, Government of India.

3. Estimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

Table 4.2: All India area and production of fruit crops

(Area: 000' ha, Production: 000' Mt)

Crop	2022-23		2023-24		2024-25*	
	Area	Production	Area	Production	Area	Production
Almond	10	12	10	12	10	13
Aonla/ Gooseberry	106	1318	107	1378	106	1378
Apple	304	2876	304	2626	296	2683
Banana	994	36614	948	37614	948	37766
Ber	52	531	52	526	49	520
Citrus.						
(i) Lime/ Lemon	312	3787	319	3836	316	3829
(ii) Mandarin	460	6178	474	6076	466	6147
(iii) Sweet Orange (Mosambi)	231	3927	240	3852	241	3874
(iv) Others	97	713	93	789	91	734
Citrus total (i to iv)	1100	14605	1126	14553	1114	14584
Custard apple	52	460	62	829	56	514
Dragon Fruit (Kamalam)	5	21	15	54	15	56
Grapes	169	3740	180	3904	182	4092
Guava	352	5364	361	5368	358	5350
Jackfruit	190	3260	193	3392	186	3284
Kiwi	5	18	4	17	4	19
Litchi	96	746	99	577	98	578
Mango	2346	20872	2396	22398	2394	22663
Muskmelon	67	1498	67	1541	65	1478
Papaya	148	5240	149	5292	148	5354
Passion fruit	11	57	11	48	11	48
Peach	16	102	17	109	16	110
Pear	35	271	35	274	32	276
Picanut	1	0	1	0	1	0
Pineapple	108	1828	106	1733	105	1764
Plum	18	65	18	68	16	71
Pomegranate	258	3098	224	2842	227	2869
Sapota	73	875	72	887	73	888
Strawberry	2	19	3	21	2	17
Walnut	97	316	97	318	81	292
Watermelon	126	3626	128	3721	126	3567
Other Fruits	281	2776	346	2874	345	2994
Total fruits	7025	110207	7131	112978	7065	113226

Note : * Figures are as per First Advance Estimates

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India. (In press)

Table 4.3: All India area and production of vegetable crops

(Area: 000' ha, Production: 000' t)

Crops	2022-23		2023-24		2024-25*	
	Area	Production	Area	Production	Area	Production
Beans	309	2831	311	2898	309	2829
Bitter Gourd	115	1429	136	1769	133	1716
Bottle Gourd	201	3364	226	3845	225	3811
Brinjal	681	12972	683	12998	682	12987
Cabbage	433	10049	442	10432	438	10410
Capsicum	40	643	41	647	39	607
Carrot	123	2399	125	2776	123	2641
Cauliflower	491	9548	507	9794	507	9900
Cucumber	127	1712	139	2050	139	1990
Chillies (Green)	413	4496	439	4671	444	4816
Elephant Foot Yam	39	987	39	977	40	972
Mushroom	--	315	--	347	--	367
Okra/ Lady Finger	549	7158	557	7305	555	7309
Onion	1740	30208	1541	24267	1774	28877
Parwal/ Pointed Gourd	63	752	77	1013	77	1008
Peas	609	6592	611	6671	610	6776
Potato	2332	60142	2322	57053	2320	59572
Radish	201	3100	204	3236	202	3167
Pumpkin/ Kaddu/Sitaphal	113	2427	121	2704	120	2647
Sweet Potato	110	1289	112	1306	110	1263
Tapioca	166	5938	177	6283	178	6333
Tomato	849	20425	854	21323	853	21549
Other Vegetables	1606	23775	1567	22841	1552	23017
Total vegetables	11309	212548	11232	207208	11431	214563

Note : * Figures are as per First Advance Estimates; --: Not Available

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India. (In press)

Table 4.4: State-wise area and production of fruit crops

(Area: 000' ha, Production: 000' t)

States/ Union Territories	2022-23		2023-24		2024-25*	
	Area	Production	Area	Production	Area	Production
Andhra Pradesh	788.39	18161.30	795.67	17780.85	807.34	19194.30
Arunachal Pradesh	30.09	138.16	27.31	110.42	27.31	110.42
Assam	164.59	2608.47	148.96	2341.66	148.96	2341.66
Bihar	366.94	5048.28	367.85	4589.19	368.29	4595.19
Chhattisgarh	222.88	2593.44	218.78	2423.72	218.78	2423.72
Gujarat	432.52	8260.78	442.40	8383.32	480.73	9114.55
Haryana	69.14	1010.49	70.22	856.32	70.29	856.53
Himachal Pradesh	235.79	829.95	236.95	637.23	236.95	751.90
Jammu & Kashmir	331.20	2637.78	344.67	2643.23	286.50	2533.77
Jharkhand	111.36	1231.57	113.59	1273.17	114.03	1278.96
Karnataka	363.96	7116.42	360.35	7140.69	293.12	5083.66
Kerala	293.81	3062.29	314.11	3177.05	237.46	2726.65
Madhya Pradesh	447.76	9334.72	468.78	9863.80	477.90	10074.14
Maharashtra	832.62	13432.85	873.72	15453.97	875.09	15394.21
Manipur	43.12	468.16	41.79	480.70	38.88	404.85
Meghalaya	39.55	395.11	40.26	401.83	40.36	402.77
Mizoram	67.69	345.36	68.88	346.07	70.31	348.06
Nagaland	35.40	344.92	35.46	344.77	35.56	344.77
Odisha	367.73	2788.96	386.20	2951.70	386.20	2951.70
Punjab	109.88	2412.26	113.83	2508.83	117.84	2614.79
Rajasthan	88.29	953.25	94.16	1172.06	91.90	1123.22
Sikkim	20.17	50.79	20.18	50.80	20.18	50.82
Tamil Nadu	335.70	7470.44	333.61	7563.78	335.37	7806.73
Telangana	168.17	2054.64	168.25	1864.81	174.50	1942.27
Tripura	60.77	615.99	59.37	622.15	59.58	618.30
Uttar Pradesh	507.99	11182.45	572.73	13460.29	584.55	14595.90
Uttarakhand	181.07	648.90	81.73	342.05	79.76	360.12
West Bengal	313.49	4220.09	313.61	4102.55	314.85	4234.72
Others	16.75	107.43	17.67	91.02	16.71	231.66
Total	7046.79	109525.25	7131.08	112978.02	7009.29	114510.33

Note : * Figures are as per Second Advance Estimates.

Source : Estimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of fruits

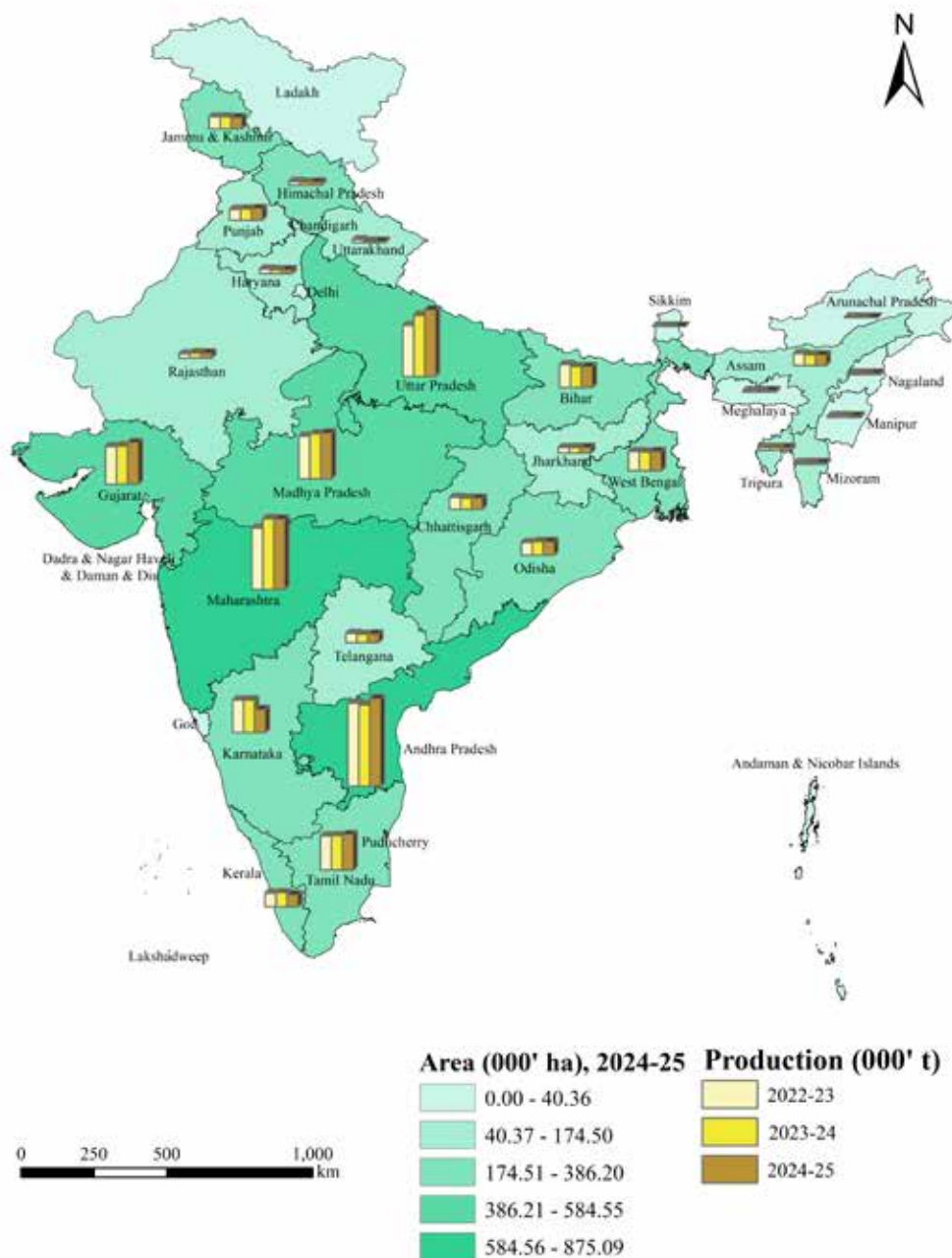


Table 4.5: State-wise area, production and productivity of Mango

(Area: 000' ha, Production: 000' t, Productivity: t/ha)

States/ Union Territories	2022-23			2023-24			2024-25*		
	Area	Production	Productivity	Area	Production	Productivity	Area	Production	Productivity
Andhra Pradesh	398.82	4985.28	12.50	398.82	4985.28	12.50	398.91	4986.43	12.50
Arunachal Pradesh	N.A	N.A	N.A	0.00	0.01	5.50	0.00	0.01	5.50
Assam	4.86	63.98	13.16	5.68	69.14	12.17	5.68	69.14	12.17
Bihar	162.99	1576.06	9.67	164.63	1580.43	9.60	164.73	1581.39	9.60
Chhatisgarh	78.24	471.15	6.02	77.45	471.50	6.09	77.45	471.50	6.09
Gujarat	173.52	960.17	5.53	177.51	1115.14	6.28	180.00	1130.40	6.28
Haryana	7.77	87.22	11.23	7.80	98.34	12.60	7.80	98.34	12.60
Himachal Pradesh	42.48	45.50	1.07	42.42	36.57	0.86	42.42	47.69	1.12
Jammu & Kashmir	14.36	31.36	2.18	14.24	30.81	2.16	4.56	11.43	2.51
Jharkhand	60.97	522.75	8.57	61.81	530.17	8.58	62.39	532.17	8.53
Karnataka	148.38	1462.25	9.85	137.50	1457.03	10.60	139.64	1479.70	10.60
Kerala	76.69	475.59	6.20	80.33	495.54	6.17	73.38	588.80	8.02
Madhya Pradesh	62.94	885.49	14.07	66.28	965.84	14.57	66.75	950.32	14.24
Maharashtra	169.76	390.94	2.30	170.28	485.92	2.85	170.64	426.24	2.50
Manipur	0.09	0.89	9.89	0.13	1.39	11.07	0.36	3.07	8.64
Meghalaya	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
Mizoram	0.96	4.27	4.45	0.96	4.27	4.46	0.96	4.27	4.46
Nagaland	0.56	3.94	7.04	0.56	3.98	7.15	0.56	3.97	7.12
Odisha	219.32	850.36	3.88	229.36	888.34	3.87	229.36	888.34	3.87
Punjab	9.00	164.58	18.29	9.13	173.95	19.06	9.43	185.52	19.67
Rajasthan	5.14	70.65	13.75	4.97	63.99	12.88	5.19	67.96	13.10
Sikkim	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
Tamil Nadu	145.89	924.85	6.34	145.90	949.45	6.51	145.05	968.13	6.67
Telangana	131.23	1024.46	7.81	124.05	939.23	7.57	128.84	1004.10	7.79
Tripura	10.16	51.14	5.03	10.19	51.37	5.04	10.19	51.37	5.04
Uttar Pradesh	279.31	4662.45	16.69	323.29	5990.53	18.53	324.91	6145.62	18.92
Uttarakhand	21.05	113.41	5.39	21.14	112.09	5.30	21.22	112.08	5.28
West Bengal	116.01	1027.58	8.86	116.16	882.27	7.60	117.72	1018.85	8.66
Others	5.62	15.92	2.83	5.64	15.65	2.78	5.02	10.20	2.03
Total	2346.09	20872.22	8.90	2396.22	22398.21	9.35	2393.15	22837.03	9.54

Note : * Figures are as per Second Advance Estimates; NA: Not Available

Source : Estimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of Mango during 2024-25

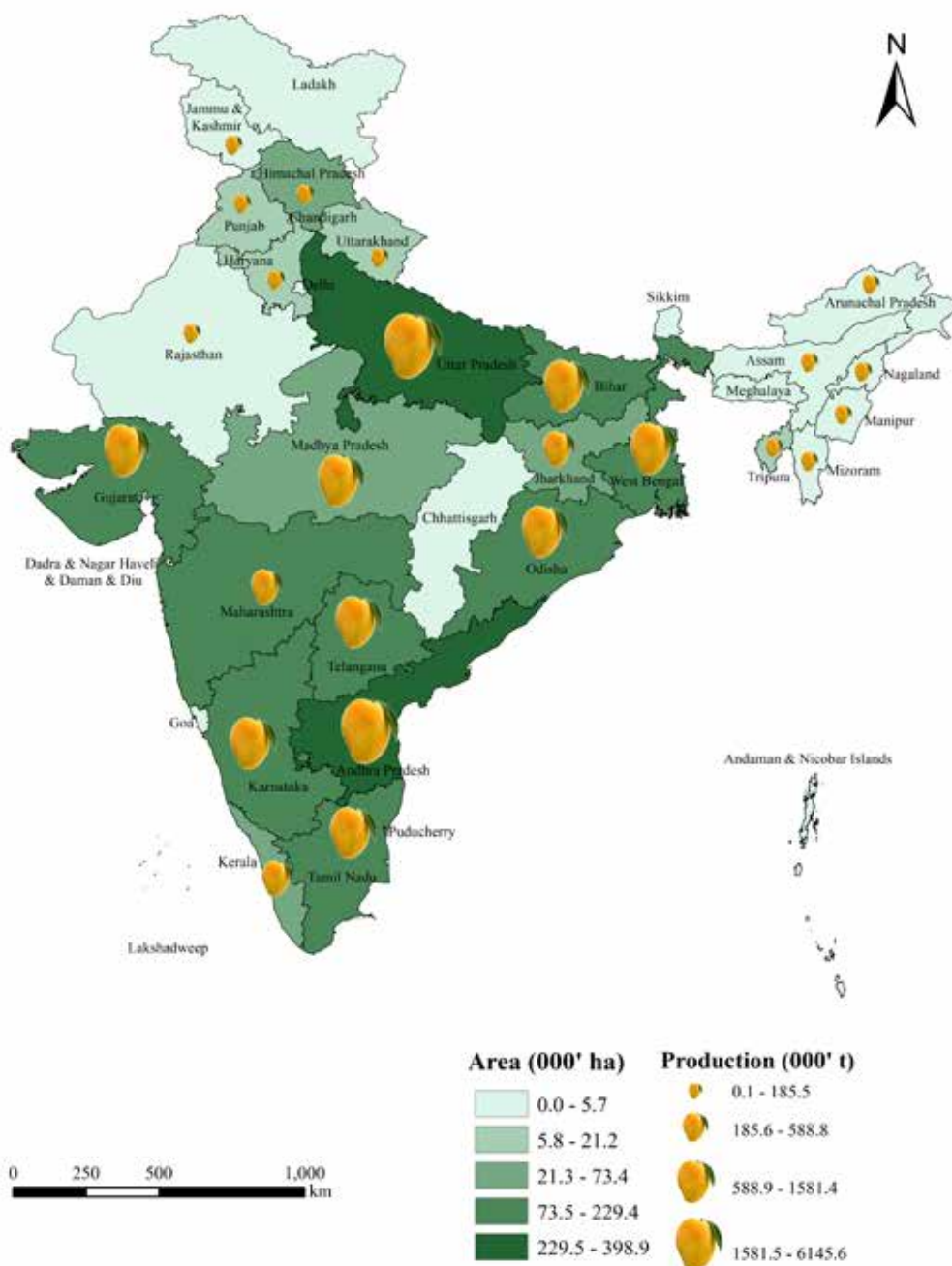


Table 4.6: State-wise area, production and productivity of Banana

(Area: 000' ha, Production: 000' t, Productivity: t/ha)

States/ Union Territories	2022-23			2023-24			2024-25*		
	Area	Production	Productivity	Area	Production	Productivity	Area	Production	Productivity
Andhra Pradesh	111.22	6116.94	55.00	106.02	5830.93	55.00	110.82	6734.44	60.77
Arunachal Pradesh	2.54	16.29	6.41	3.63	14.49	4.00	3.63	14.49	4.00
Assam	58.71	1115.45	19.00	53.86	1022.51	18.98	53.86	1022.51	18.98
Bihar	44.08	2004.27	45.47	42.67	1919.98	45.00	42.69	1920.96	45.00
Chhatisgarh	24.54	590.15	24.05	23.91	576.47	24.11	23.91	576.47	24.11
Gujarat	60.60	3994.55	65.92	59.68	4010.72	67.20	59.90	4025.28	67.20
Haryana	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
Himachal Pradesh	0.06	0.10	1.67	0.06	0.11	1.69	0.06	0.21	3.23
Jammu & Kashmir	0.06	0.13	2.17	0.05	0.12	2.24	0.02	0.04	1.68
Jharkhand	5.86	41.02	7.00	5.73	42.08	7.34	5.77	42.38	7.34
Karnataka	108.31	2973.30	27.45	113.73	3121.97	27.45	45.71	1248.89	27.32
Kerala	101.94	878.14	8.61	47.54	477.52	10.04	47.95	485.20	10.12
Madhya Pradesh	34.34	2060.20	59.99	34.69	2453.83	70.73	34.87	2463.36	70.65
Maharashtra	101.12	5626.26	55.64	109.91	6534.35	59.45	123.34	7229.86	58.62
Manipur	6.02	86.49	14.37	6.25	124.40	19.92	6.12	81.41	13.30
Meghalaya	7.77	100.48	12.93	7.94	102.70	12.94	7.95	102.88	12.94
Mizoram	11.68	140.50	12.03	11.68	140.50	12.03	11.68	140.50	12.03
Nagaland	7.24	94.78	13.09	7.27	94.97	13.06	7.30	95.27	13.05
Odisha	23.70	504.06	21.27	23.55	508.67	21.60	23.55	508.67	21.60
Punjab	0.19	11.76	61.89	0.22	13.14	60.28	0.24	14.69	60.47
Rajasthan	0.04	0.33	8.25	0.04	0.33	9.49	0.04	0.35	9.94
Sikkim	1.30	5.55	4.27	1.30	5.55	4.25	1.31	5.56	4.25
Tamil Nadu	109.37	4522.62	41.35	113.86	4719.95	41.45	114.77	4905.48	42.74
Telangana	2.30	109.61	47.66	1.58	100.25	63.53	1.83	74.68	40.83
Tripura	11.67	114.22	9.79	11.68	114.34	9.79	11.68	114.34	9.79
Uttar Pradesh	89.93	4037.90	44.90	91.46	4191.85	45.83	93.29	4757.84	51.00
Uttarakhand	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
West Bengal	65.15	1416.13	21.74	65.75	1440.01	21.90	65.50	1434.15	21.90
Others	4.41	52.83	11.98	4.41	52.64	11.93	3.69	34.81	9.44
Total	994.14	36614.04	36.83	948.47	37614.36	39.66	901.48	38034.71	42.19

Note : *Figures are as per Second Advance Estimates; NA: Not Available

Source : Estimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of Banana during 2024-25

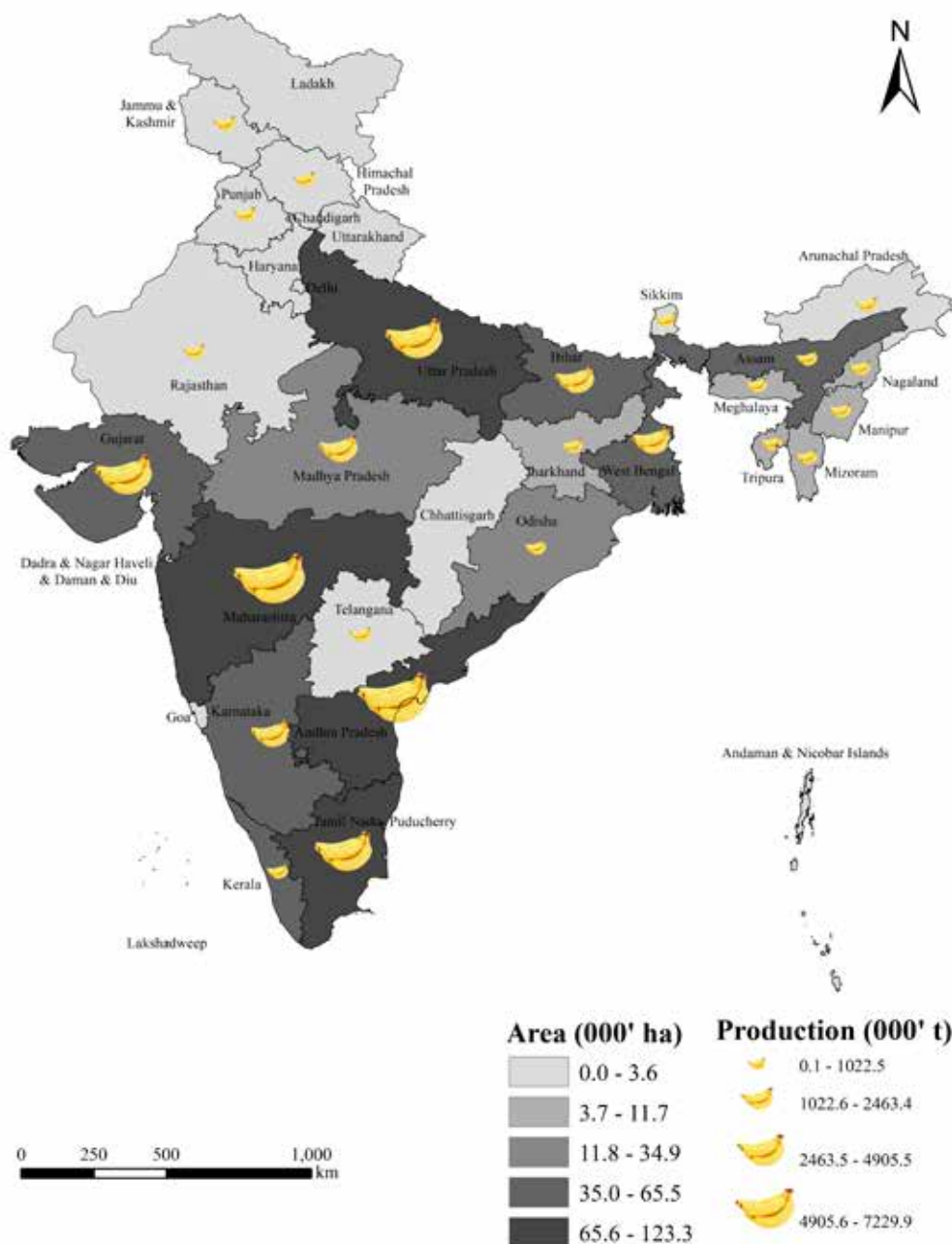


Table 4.7: State-wise area, production and productivity of Total Citrus Fruits

(Area: 000' ha, Production: 000' t, Productivity: t/ha)

States/ Union Territories	2022-23			2023-24			2024-25*		
	Area	Production	Productivity	Area	Production	Productivity	Area	Production	Productivity
Andhra Pradesh	158.13	3162.68	20.00	158.71	3174.16	20.00	158.92	3291.50	20.71
Arunachal Pradesh	14.79	84.86	5.74	12.79	58.93	4.61	12.79	58.93	4.61
Assam	31.24	375.19	12.01	27.54	296.48	10.76	27.54	296.48	10.76
Bihar	49.86	380.80	7.64	46.60	350.19	7.51	46.79	351.79	7.52
Chhatisgarh	16.00	134.64	8.42	15.15	127.67	8.43	15.15	127.67	8.43
Gujarat	49.95	643.68	12.89	49.86	636.41	12.76	50.14	639.06	12.75
Haryana	23.92	470.85	19.68	25.18	359.08	14.26	25.18	359.08	14.26
Himachal Pradesh	26.37	31.94	1.21	26.43	35.31	1.34	26.43	34.74	1.31
Jammu & Kashmir	18.01	36.02	2.00	16.31	33.70	2.07	10.04	19.10	1.90
Jharkhand	5.80	94.18	16.24	6.00	94.88	15.81	6.06	95.42	15.75
Karnataka	18.53	425.02	22.94	14.00	300.27	21.45	15.35	359.98	23.45
Kerala	0.97	1.92	1.98	0.96	2.06	2.15	1.26	2.38	1.89
Madhya Pradesh	167.21	2755.87	16.48	169.62	2774.62	16.36	173.40	2891.27	16.67
Maharashtra	226.09	2335.10	10.33	261.54	2722.84	10.41	253.25	2655.09	10.48
Manipur	10.71	111.15	10.38	10.73	100.73	9.39	12.01	112.07	9.33
Meghalaya	13.94	62.02	4.45	14.01	61.99	4.42	14.05	62.16	4.42
Mizoram	28.44	91.03	3.20	28.83	91.24	3.16	28.84	91.24	3.16
Nagaland	6.83	56.15	8.22	6.85	55.86	8.16	6.85	55.72	8.13
Odisha	27.33	303.15	11.09	27.86	316.59	11.36	27.86	316.59	11.36
Punjab	54.99	1344.60	24.45	56.49	1380.87	24.44	57.67	1412.25	24.49
Rajasthan	41.57	467.56	11.25	42.63	606.22	14.22	41.24	605.71	14.69
Sikkim	13.27	26.69	2.01	13.27	26.69	2.01	13.27	26.70	2.01
Tamil Nadu	14.70	211.77	14.41	13.67	202.51	14.82	14.46	215.17	14.88
Telangana	31.93	742.51	23.25	29.65	493.28	16.64	30.48	569.45	18.68
Tripura	10.84	49.50	4.57	10.86	49.63	4.57	10.94	49.97	4.57
Uttar Pradesh	5.29	21.07	3.98	5.64	24.21	4.29	5.75	37.99	6.60
Uttarakhand	9.99	36.91	3.69	10.02	26.31	2.63	10.07	36.50	3.62
West Bengal	23.09	146.40	6.34	24.01	147.93	6.16	23.90	148.91	6.23
Others	0.66	1.98	3.00	0.65	1.86	2.85	0.40	0.83	2.08
Total	1100.43	14605.22	13.27	1125.85	14552.51	12.93	1120.09	14923.72	13.32

Note : * Figures are as per Second Advance Estimates; NA: Not Available

Source : Estimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of total citrus fruits during 2024-25

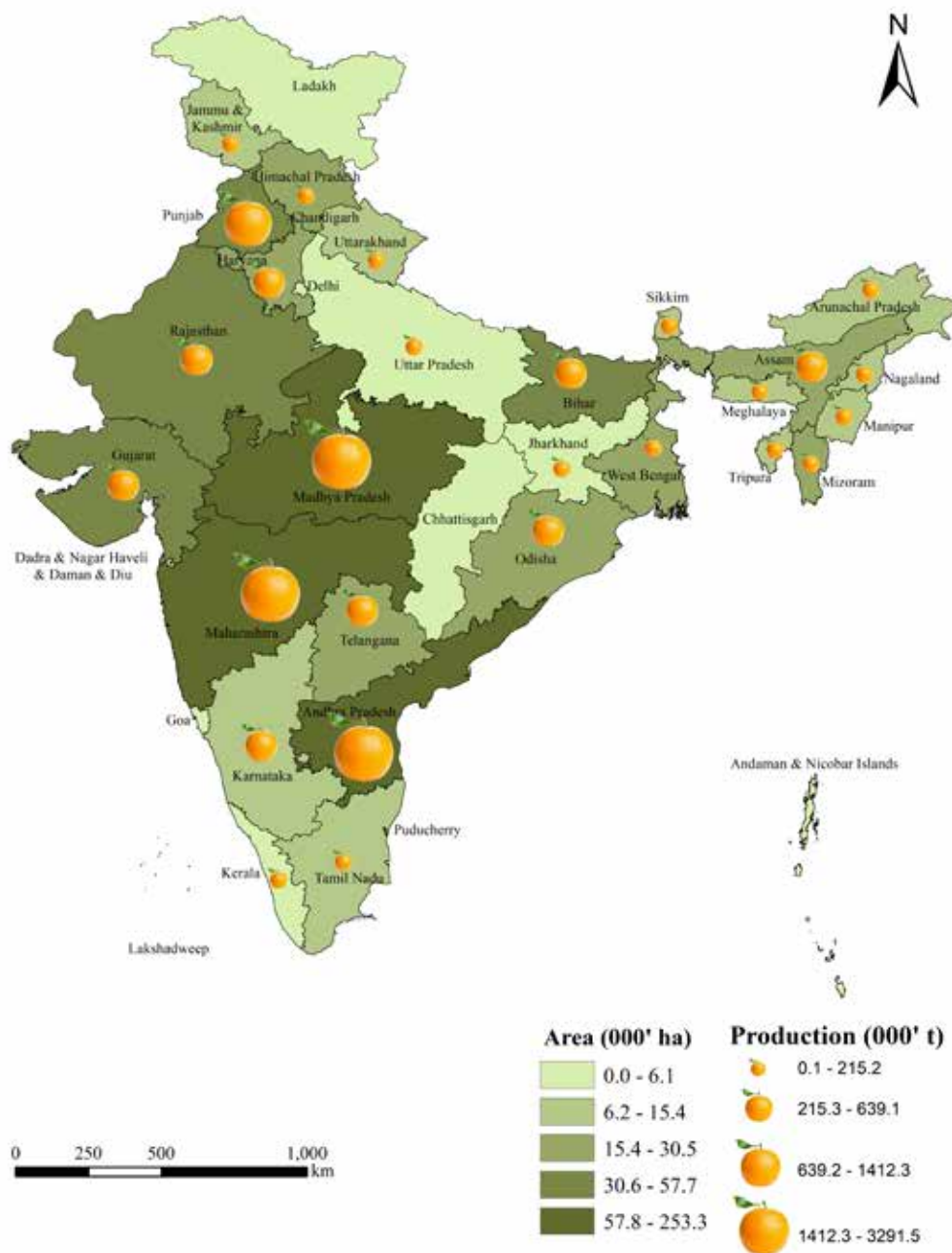


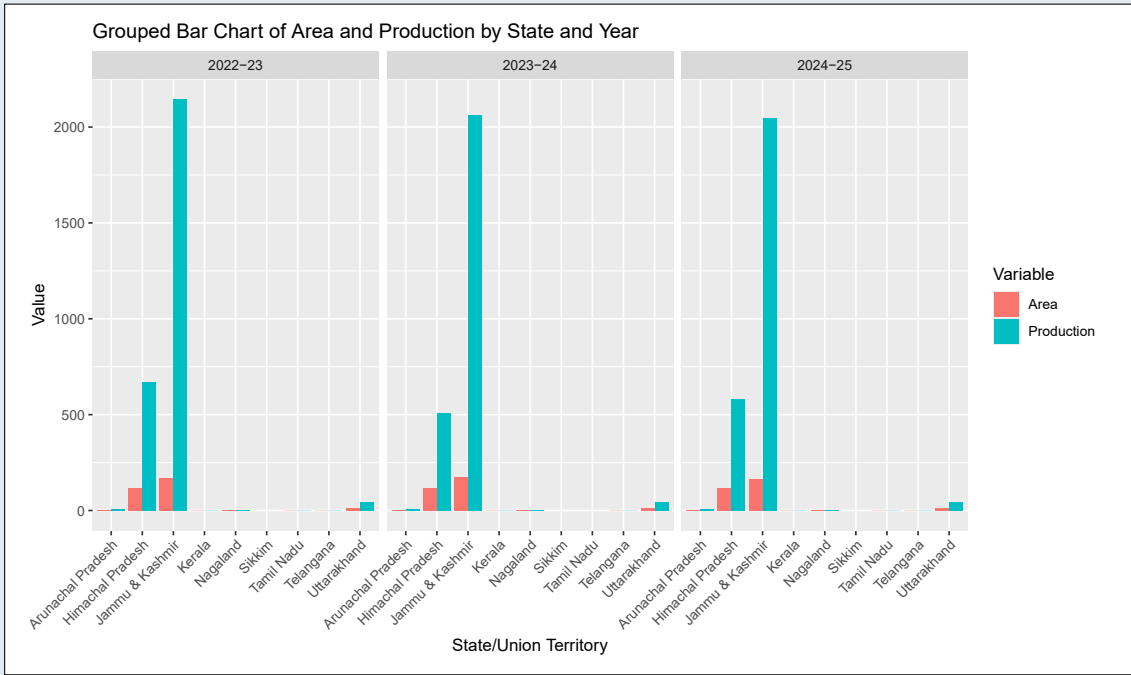
Table 4.8: State-wise area, production and productivity of Apple

(Area: 000' ha, Production: 000' t, Productivity: t/ha)

States/ Union Territories	2022-23			2023-24			2024-25*		
	Area	Production	Productivity	Area	Production	Productivity	Area	Production	Productivity
Jammu & Kashmir	171.61	2146.35	12.51	172.14	2064.30	11.99	164.41	2045.29	12.44
Himachal Pradesh	115.68	672.34	5.81	116.24	506.69	4.36	116.24	582.86	5.01
Uttarakhand	11.33	43.33	3.82	11.33	42.97	3.79	11.61	43.69	3.76
Arunachal Pradesh	4.44	6.83	1.54	3.57	6.79	1.90	3.57	6.79	1.90
Nagaland	0.24	1.77	7.38	0.24	1.77	7.27	0.24	1.78	7.29
Tamil Nadu	0.00	0.01	N.A.	N.A	N.A	N.A.	0.00	0.01	6.00
Sikkim	N.A	N.A	N.A.	N.A	N.A	N.A.	N.A	N.A	N.A.
Telangana	0.00	0.00	N.A.	0.01	0.01	1.27	0.01	0.00	0.29
Kerala	0.00	0.01	N.A.	0.00	0.01	2.00	0.00	0.01	3.48
Total	303.30	2870.64	9.46	304.13	2625.90	8.63	297.10	2685.76	9.04

Note : * Figures are as per Second Advance Estimates; NA: Not Available

Source : *Estimates, Horticulture Statistics*, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).



State-wise area and production of Apple during 2024-25

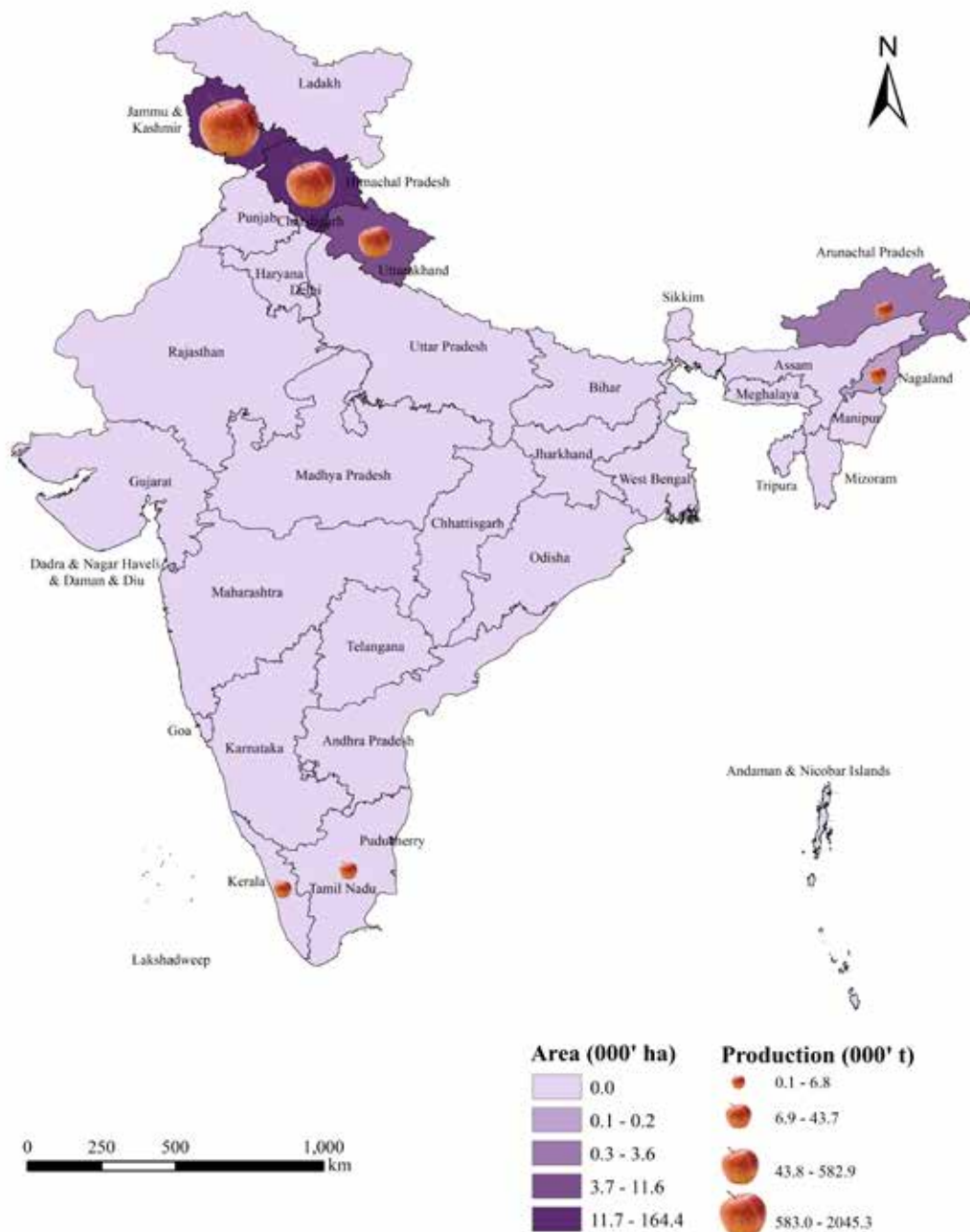


Table 4.9: State-wise area, production and productivity of Papaya

(Area: 000' ha, Production: 000' t, Productivity: t/ha)

States/ Union Territories	2022-23			2023-24			2024-25*		
	Area	Production	Productivity	Area	Production	Productivity	Area	Production	Productivity
Andhra Pradesh	13.04	978.00	75.00	12.55	934.70	74.50	14.84	1105.76	74.50
Arunachal Pradesh	0.10	0.50	5.00	0.15	0.60	4.07	0.15	0.60	4.07
Assam	7.57	154.09	20.36	8.65	176.14	20.36	8.65	176.14	20.36
Bihar	3.62	99.14	27.39	3.41	100.59	29.50	3.46	101.98	29.50
Chhatisgarh	14.37	373.85	26.02	13.88	366.62	26.41	13.88	366.62	26.41
Gujarat	18.29	1067.66	58.37	18.27	1061.23	58.07	18.30	1062.68	58.07
Haryana	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Himachal Pradesh	0.20	0.87	4.35	0.20	1.02	5.22	0.20	1.63	8.36
Jammu & Kashmir	0.20	0.37	1.85	0.20	0.37	1.83	0.12	0.17	1.41
Jharkhand	3.18	47.09	14.81	3.23	47.66	14.75	3.25	47.85	14.72
Karnataka	4.35	301.44	69.30	4.22	297.57	70.52	6.02	424.44	70.53
Kerala	16.81	100.29	5.97	18.60	123.87	6.66	12.09	99.26	8.21
Madhya Pradesh	13.39	550.01	41.08	14.27	578.00	40.52	14.35	581.63	40.53
Maharashtra	15.20	554.73	36.50	15.31	608.72	39.77	13.72	469.54	34.22
Manipur	0.10	4.47	44.70	0.16	3.92	24.78	0.16	4.56	28.41
Meghalaya	0.90	7.17	7.97	0.93	7.33	7.90	0.93	7.38	7.90
Mizoram	1.47	22.72	15.46	1.47	22.72	15.51	1.47	22.72	15.51
Nagaland	1.06	12.18	11.49	1.07	12.34	11.54	1.07	12.26	11.46
Odisha	5.76	100.65	17.47	6.34	110.38	17.41	6.34	110.38	17.41
Punjab	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Rajasthan	0.66	11.15	16.89	0.62	11.26	18.25	0.62	10.69	17.35
Sikkim	1.12	1.74	1.55	1.12	1.74	1.56	1.12	1.75	1.56
Tamil Nadu	3.19	217.77	68.27	2.84	194.29	68.51	2.77	190.83	68.84
Telangana	2.31	132.75	57.47	1.80	127.68	71.01	2.42	144.87	59.97
Tripura	3.47	33.42	9.63	3.46	34.99	10.11	3.46	34.99	10.11
Uttar Pradesh	2.51	120.96	48.19	2.69	131.92	49.06	2.74	137.56	50.15
Uttarakhand	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
West Bengal	15.16	344.30	22.71	13.38	334.16	24.98	13.24	331.18	25.01
Others	0.20	2.36	11.80	0.20	2.34	11.88	0.17	1.61	9.52
Total	148.20	5239.64	35.36	148.98	5292.17	35.52	145.53	5449.07	37.44

Note : * Figures are as per Second Advance Estimates; NA: Not Available

Source : Estimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of Papaya during 2024-25

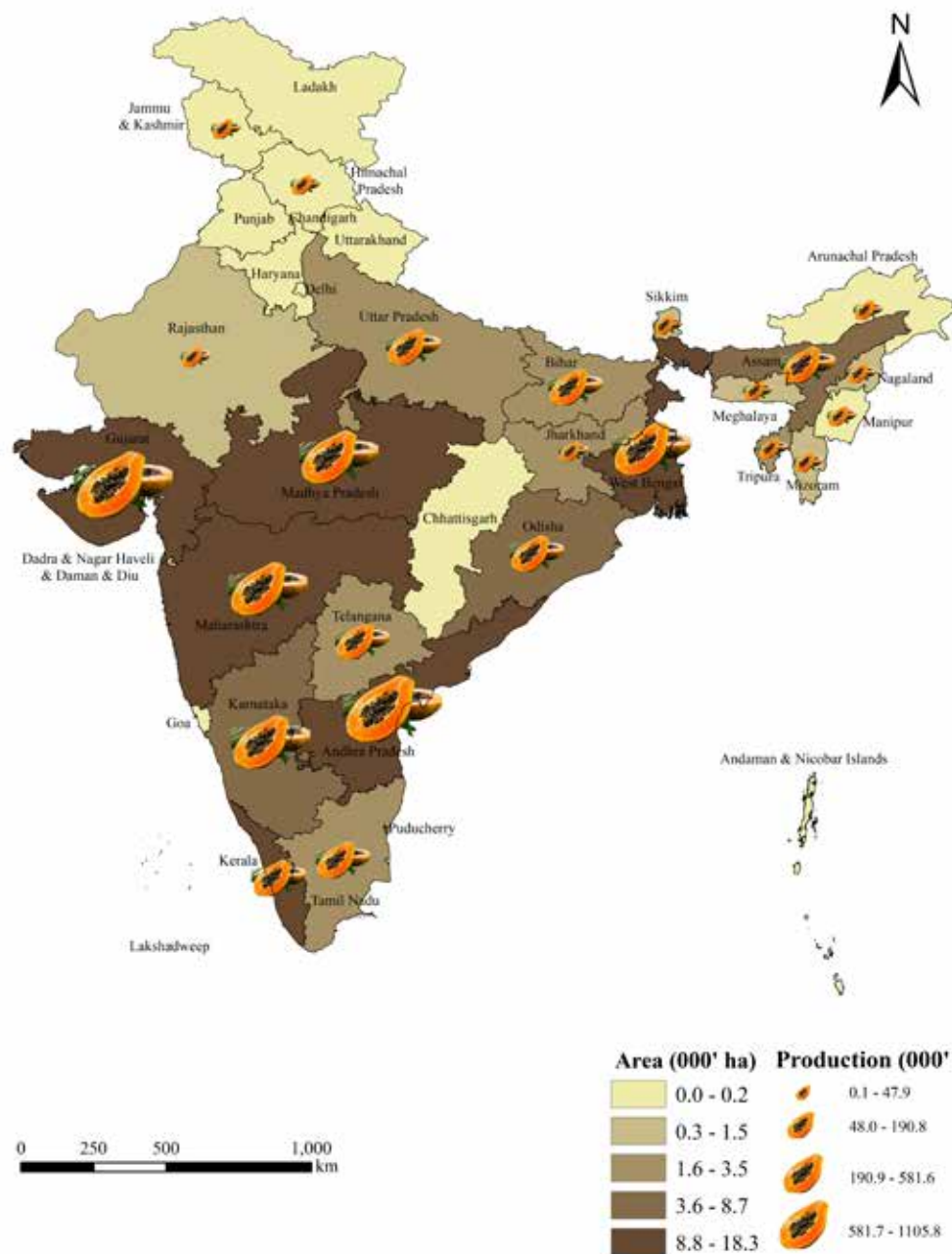


Table 4.10: State-wise area and production of vegetables

States/ Union Territories	2022-23		2023-24		2024-25*	
	Area	Production	Area	Production	Area	Production
Andhra Pradesh	221.25	7154.17	184.79	6345.76	225.83	8310.39
Arunachal Pradesh	2.62	17.34	2.06	16.43	2.06	16.43
Assam	304.10	3703.40	310.60	3938.61	310.60	3938.63
Bihar	920.38	18020.61	919.85	17150.06	921.08	18288.87
Chhattisgarh	493.72	6695.35	491.13	6752.19	490.14	6802.89
Gujarat	777.22	15676.29	750.51	15264.55	843.06	16833.89
Haryana	342.55	5376.10	332.70	5668.82	330.73	5422.64
Himachal Pradesh	93.64	1875.21	92.30	1819.48	92.58	1778.14
Jammu & Kashmir	83.67	1995.78	83.67	1996.18	46.23	1231.05
Jharkhand	309.11	4269.80	310.66	4389.21	312.64	4418.16
Karnataka	431.48	7486.92	391.04	6334.29	352.09	6301.60
Kerala	106.40	2962.30	105.15	2895.63	94.86	2742.61
Madhya Pradesh	1179.90	23260.26	1274.70	24350.12	1322.81	24140.55
Maharashtra	1045.19	15236.43	918.35	12334.25	1245.94	17227.04
Manipur	38.35	376.57	31.90	317.76	31.86	317.04
Meghalaya	51.05	538.91	51.72	548.32	51.94	550.73
Mizoram	40.67	224.64	41.09	225.07	41.09	225.07
Nagaland	42.21	462.79	42.23	456.93	42.22	457.27
Odisha	703.09	9782.11	762.54	10620.21	762.56	10632.87
Punjab	316.58	6509.00	334.47	6884.72	363.75	7361.06
Rajasthan	186.75	2344.37	186.83	2403.78	202.43	2607.08
Sikkim	20.20	121.22	24.00	135.77	24.12	134.32
Tamil Nadu	362.29	9203.81	363.17	9259.74	363.12	9424.75
Telangana	55.62	1378.63	47.00	1076.25	44.58	1015.42
Tripura	61.83	1287.81	61.76	1286.69	52.03	965.59
Uttar Pradesh	1413.94	34766.65	1428.35	34430.38	1473.02	37611.10
Uttarakhand	75.35	708.06	66.82	514.94	74.88	692.44
West Bengal	1590.44	30574.49	1582.53	29200.96	1596.66	29718.54
Others	39.13	539.45	40.29	590.76	35.89	508.14
Total	11308.73	212548.44	11232.19	207207.84	11750.76	219674.29

Note : * Figures are as per Second Advance Estimates

Source : *Estimates, Horticulture Statistics*, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of vegetables

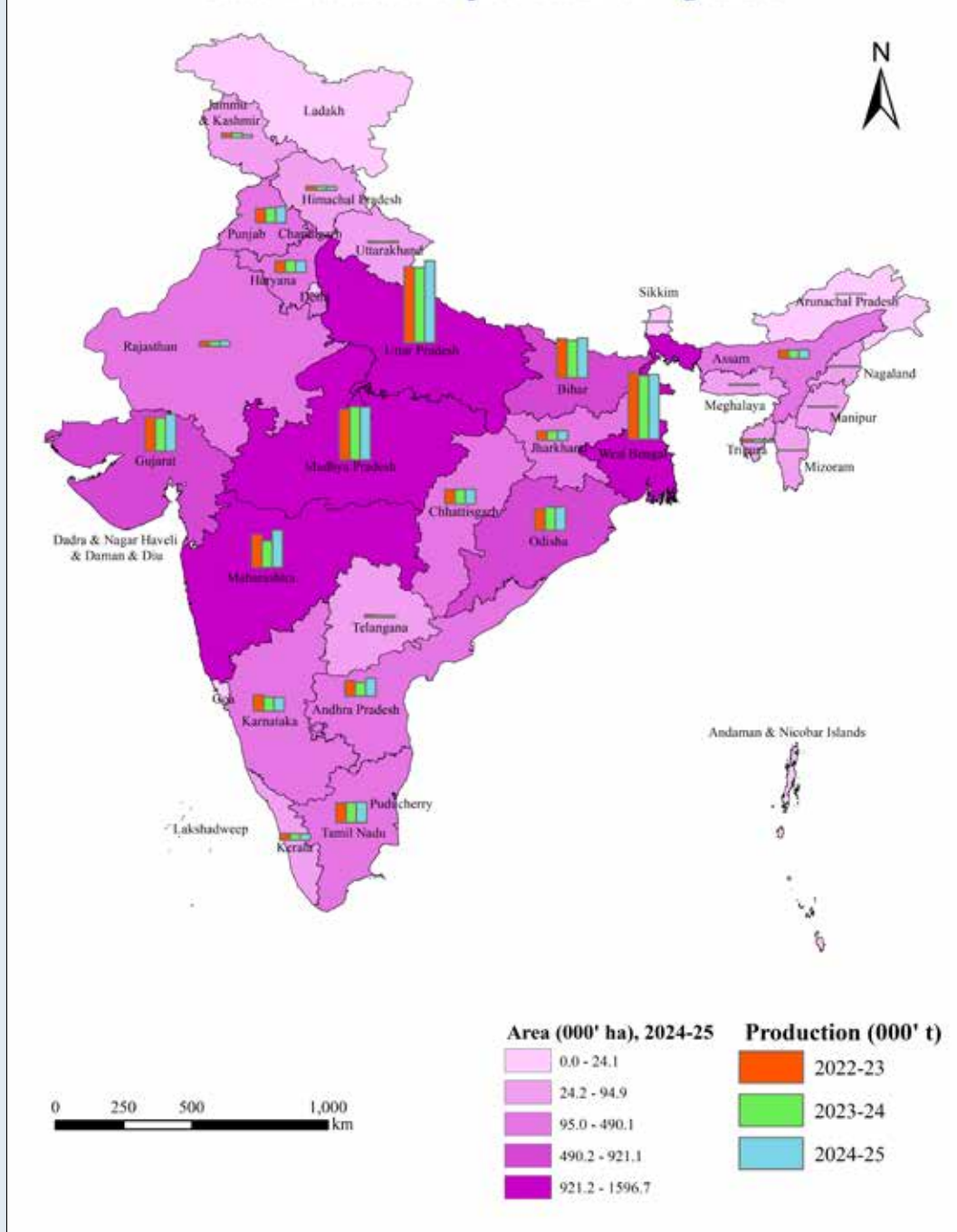


Table 4.11: State-wise area, production and productivity of Potato in major producing states

(Area-000' ha, Production: 000' t, Productivity: t/ha)

States/ Union Territories	2023-24			2024-25*		
	Area	Production	Productivity	Area	Production	Productivity
Andhra Pradesh	0.59	17.76	30.00	0.60	17.91	30.00
Arunachal Pradesh	0.45	6.07	13.36	0.45	6.07	13.36
Assam	106.47	911.33	8.56	106.47	911.33	8.56
Bihar	331.76	8200.00	24.72	331.13	8940.37	27.00
Chhattisgarh	41.18	633.96	15.40	41.18	633.96	15.40
Gujarat	134.86	4000.00	29.66	156.00	4524.00	29.00
Haryana	31.91	750.00	23.50	31.82	746.00	23.45
Himachal Pradesh	15.10	194.50	12.88	15.10	194.50	12.88
Jammu & Kashmir	8.81	165.96	18.83	8.77	185.62	21.16
Jharkhand	51.28	766.82	14.95	51.72	771.40	14.92
Karnataka	23.29	350.11	15.04	9.66	215.92	22.35
Kerala	0.43	5.61	13.11	0.22	3.77	16.98
Madhya Pradesh	155.56	3949.00	25.39	169.72	3897.63	22.97
Maharashtra	14.45	386.69	26.77	16.85	318.35	18.89
Manipur	1.16	14.63	12.61	1.00	9.94	9.94
Meghalaya	19.54	196.25	10.04	19.55	196.33	10.04
Mizoram	0.10	0.95	9.45	0.10	0.95	9.45
Nagaland	4.44	55.12	12.41	4.44	54.93	12.36
Odisha	35.78	428.24	11.97	35.78	428.24	11.97
Punjab	117.07	3237.00	27.65	120.00	3312.00	27.60
Rajasthan	8.64	179.83	20.82	9.38	189.74	20.22
Sikkim	6.16	44.62	7.24	6.17	44.63	7.24
Tamil Nadu	4.80	91.72	19.10	5.23	99.93	19.10
Telangana	0.94	22.33	23.88	1.01	24.23	24.10
Tripura	7.62	146.05	19.16	5.59	92.73	16.58
Uttar Pradesh	696.03	19173.00	27.55	698.03	20382.48	29.20
Uttarakhand	14.08	107.15	7.61	17.18	191.54	11.15
West Bengal	489.00	13000.00	26.58	515.00	13763.08	26.72
Others	0.74	18.66	25.14	0.74	17.05	23.04
Total	2322.23	57053.34	24.57	2378.88	60174.63	25.30

Note : * Figures are as per Second Advance Estimates

Source : Estimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of Potato during 2024-25

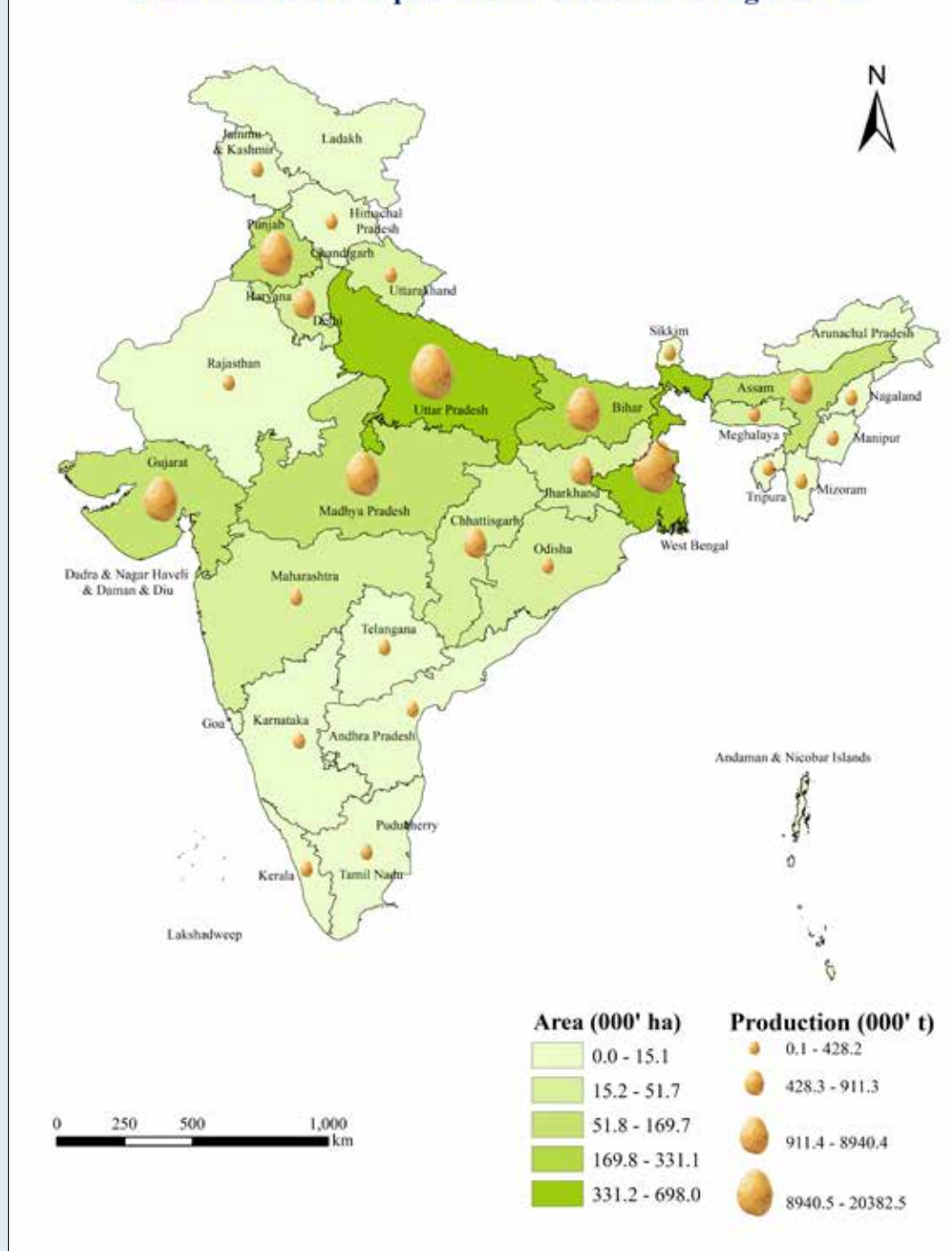


Table 4.12: State-wise area, production and productivity of Onion

(Area-000' ha, Production: 000' t, Productivity: t/ha)

States/ Union Territories	2023-24			2024-25*		
	Area	Production	Productivity	Area	Production	Productivity
Andhra Pradesh	32.88	512.79	15.60	38.03	607.16	15.97
Arunachal Pradesh	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Assam	7.97	89.18	11.19	7.97	89.18	11.19
Bihar	57.80	1387.76	24.01	55.44	1330.56	24.00
Chhattisgarh	22.74	380.11	16.72	22.74	380.11	16.72
Gujarat	79.25	2057.00	25.96	108.36	2540.50	23.44
Haryana	21.64	541.00	25.00	21.30	381.50	17.92
Himachal Pradesh	3.37	59.84	17.75	3.37	59.84	17.75
Jammu & Kashmir	5.85	163.56	27.95	5.85	163.56	27.95
Jharkhand	18.56	307.25	16.56	18.56	307.25	16.56
Karnataka	151.94	1637.89	10.78	195.04	2575.61	13.21
Kerala	0.01	0.07	6.40	0.01	0.05	6.06
Madhya Pradesh	198.92	4166.31	20.94	218.27	4443.22	20.36
Maharashtra	667.44	8602.00	12.89	978.16	13558.00	13.86
Manipur	0.50	4.90	9.76	0.50	4.68	9.43
Meghalaya	0.60	5.45	9.01	0.61	5.50	9.01
Mizoram	0.27	1.80	6.67	0.27	1.80	6.67
Nagaland	0.60	5.71	9.47	0.60	5.66	9.38
Odisha	36.22	420.16	11.60	36.22	420.16	11.60
Punjab	11.28	267.33	23.71	11.53	274.15	23.79
Rajasthan	92.80	1630.50	17.57	100.89	1568.23	15.54
Sikkim	0.27	1.68	6.16	0.27	1.68	6.14
Tamil Nadu	42.87	437.50	10.21	43.38	416.78	9.61
Telangana	5.02	100.39	20.02	4.97	93.76	18.88
Tripura	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Uttar Pradesh	34.10	576.67	16.91	44.58	766.76	17.20
Uttarakhand	3.85	33.63	8.74	4.03	41.36	10.26
West Bengal	43.00	857.00	19.93	47.90	717.15	14.97
Others	0.90	19.26	21.50	0.86	17.38	20.33
Total	1540.64	24266.71	15.75	1969.69	30771.57	15.62

Note : * Figures are as per Second Advance Estimates; N.A.: Not Available

Source : Estimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of Onion during 2024-25

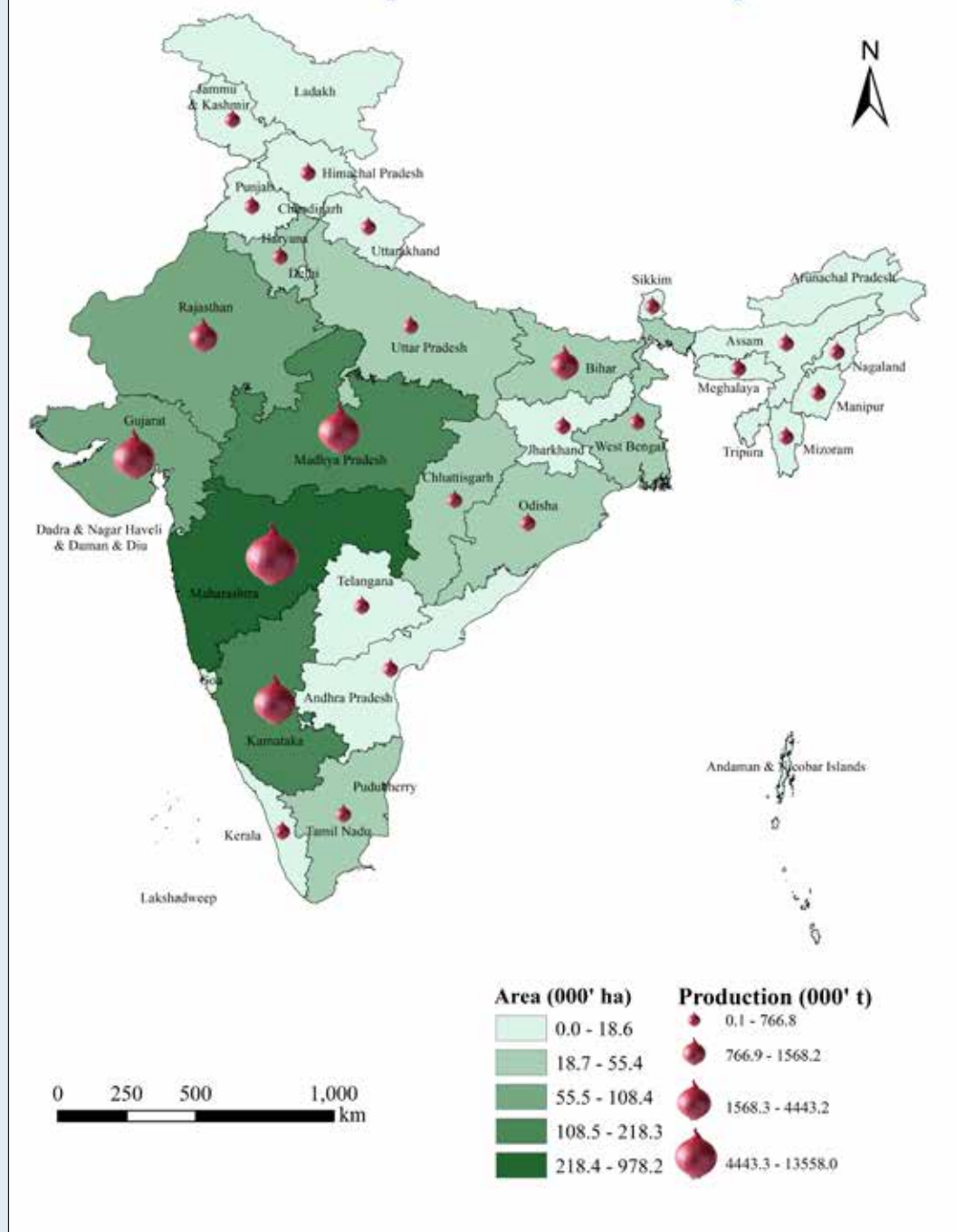


Table 4.13: State-wise area, production and productivity of Tomato

(Area: 000' ha, Production: 000' t, Productivity: t/ha)

States/ Union Territories	2023-24			2024-25*		
	Area	Production	Productivity	Area	Production	Productivity
Andhra Pradesh	54.18	2438.28	45.00	65.32	3242.29	49.64
Arunachal Pradesh	0.15	0.88	6.02	0.15	0.88	6.02
Assam	17.49	422.08	24.14	17.49	422.08	24.14
Bihar	63.20	1168.62	18.49	65.20	1212.72	18.60
Chhattisgarh	61.87	1048.18	16.94	60.88	1031.11	16.94
Gujarat	66.57	1809.69	27.18	45.05	1223.00	27.15
Haryana	22.27	434.53	19.51	20.74	350.00	16.88
Himachal Pradesh	13.72	474.34	34.59	14.00	432.00	30.86
Jammu & Kashmir	3.85	102.00	26.47	2.14	48.54	22.71
Jharkhand	24.92	417.76	16.76	25.27	421.57	16.68
Karnataka	62.43	2007.33	32.15	65.58	2234.58	34.07
Kerala	0.38	3.35	8.89	0.32	2.89	9.10
Madhya Pradesh	119.67	3498.26	29.23	96.29	2703.19	28.07
Maharashtra	55.23	1332.09	24.12	54.85	1096.30	19.99
Manipur	2.84	27.47	9.66	2.68	25.35	9.47
Meghalaya	2.31	37.10	16.09	2.31	37.24	16.09
Mizoram	3.16	27.49	8.70	3.16	27.49	8.70
Nagaland	2.71	21.22	7.84	2.71	21.17	7.82
Odisha	98.13	1496.33	15.25	98.15	1496.79	15.25
Punjab	11.17	293.92	26.32	11.30	298.19	26.39
Rajasthan	20.47	260.75	12.74	20.14	323.44	16.06
Sikkim	0.44	4.62	10.40	0.44	4.61	10.39
Tamil Nadu	38.85	1169.23	30.10	38.13	1202.85	31.55
Telangana	12.69	346.07	27.26	12.06	352.51	29.23
Tripura	2.11	64.13	30.36	1.69	46.88	27.69
Uttar Pradesh	23.50	940.12	40.01	25.47	1024.36	40.23
Uttarakhand	8.74	91.59	10.48	8.74	91.59	10.48
West Bengal	60.03	1369.67	22.82	60.86	1365.40	22.44
Others	0.91	16.19	17.77	0.89	13.37	15.07
Total	853.99	21323.22	24.97	821.98	20752.36	25.25

Note : * Figures are as per Second Advance Estimates**Source** : *Estimates, Horticulture Statistics*, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

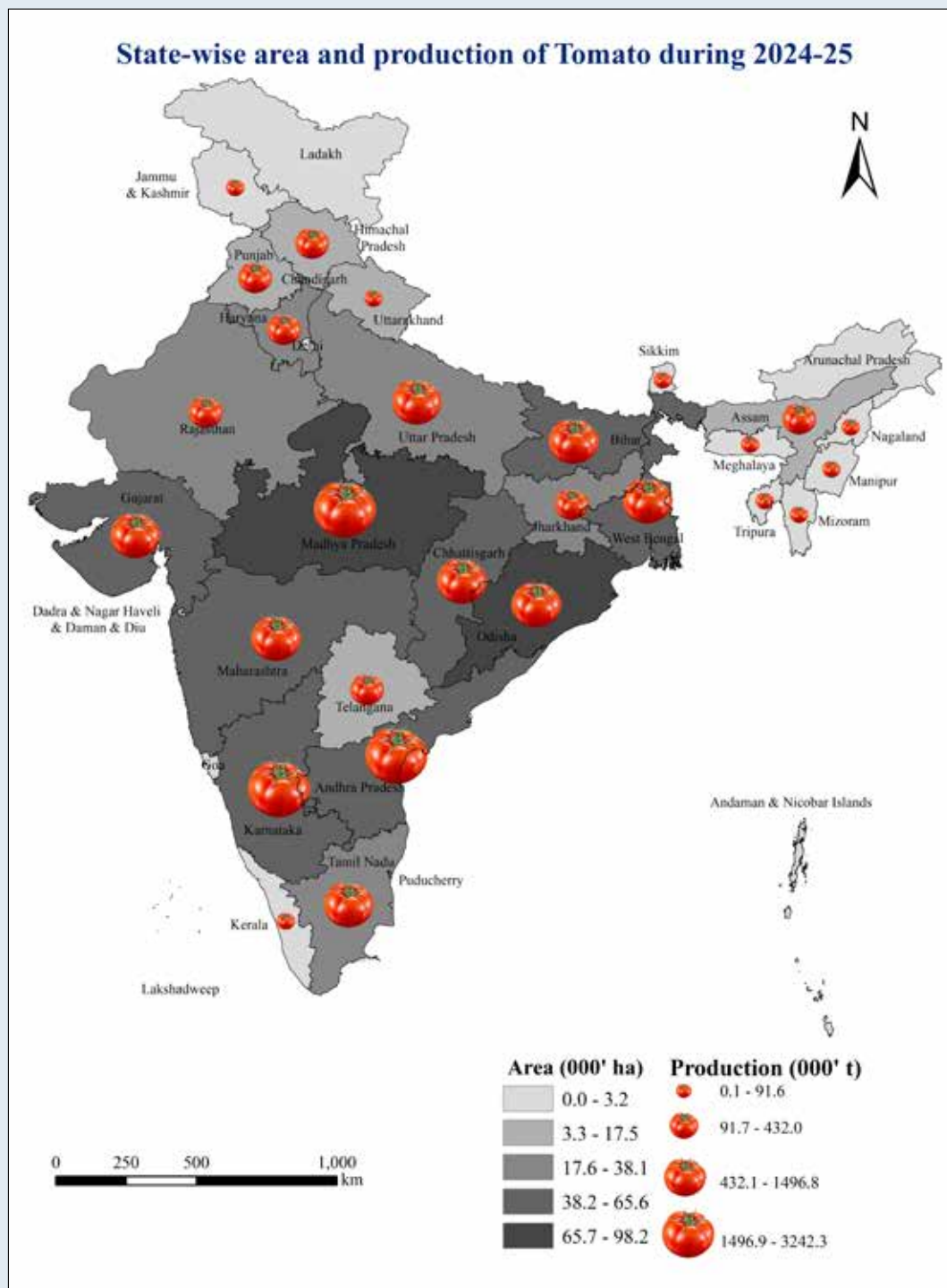


Table 4.14: State-wise area and production of flowers (loose)

(Area: 000' ha, Production: 000' Mt)

States/ Union Territories	2022-23		2023-24		2024-25*	
	Area	Production	Area	Production	Area	Production
Andhra Pradesh	14.58	113.26	31.67	280.49	41.96	364.08
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00
Assam	5.33	35.67	5.32	35.70	5.32	35.70
Bihar	1.57	16.45	1.42	13.15	1.43	13.19
Chhattisgarh	13.64	63.85	12.95	61.35	12.95	61.35
Gujarat	21.33	232.47	21.80	200.91	21.94	202.05
Haryana	1.76	21.95	1.72	19.61	1.83	31.06
Himachal Pradesh	0.26	1.82	0.29	2.33	0.29	2.35
Jammu & Kashmir	0.26	18.58	0.10	0.14	0.11	0.14
Jharkhand	2.10	4.10	2.22	4.52	2.29	4.96
Karnataka	42.00	348.83	40.78	414.85	26.07	264.71
Kerala	0.26	0.29	0.92	0.49	0.76	1.52
Madhya Pradesh	39.49	451.76	42.18	505.61	43.44	503.18
Maharashtra	10.56	61.42	11.06	61.56	10.97	71.66
Manipur	0.07	0.01	0.08	0.02	0.09	0.03
Meghalaya	12.47	0.00	12.47	0.00	12.47	0.00
Mizoram	0.08	0.00	0.08	0.00	0.08	0.00
Nagaland	0.09	0.34	1.19	0.00	55.30	0.00
Odisha	5.71	32.10	9.07	57.00	9.07	57.00
Punjab	2.32	14.45	2.61	16.42	2.61	16.42
Rajasthan	3.49	8.06	3.79	10.30	3.68	9.30
Sikkim	0.24	16.50	0.24	16.50	0.24	16.50
Tamil Nadu	44.16	586.79	46.75	628.79	47.46	647.01
Telangana	3.55	71.91	3.25	56.89	2.12	38.77
Tripura	0.81	4.06	0.81	4.06	0.81	4.06
Uttar Pradesh	23.16	50.47	23.86	54.37	27.22	79.86
Uttarakhand	0.67	2.35	0.53	1.50	0.65	2.26
West Bengal	34.41	83.90	34.00	86.71	37.66	87.62
Others	0.24	0.99	5.77	125.53	3.05	94.08
All India	283.24	2211.65	316.91	2658.79	371.86	2608.85

Note : * Figures are as per Second Advance Estimates

Source : Estimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of flowers (loose) during 2024-25

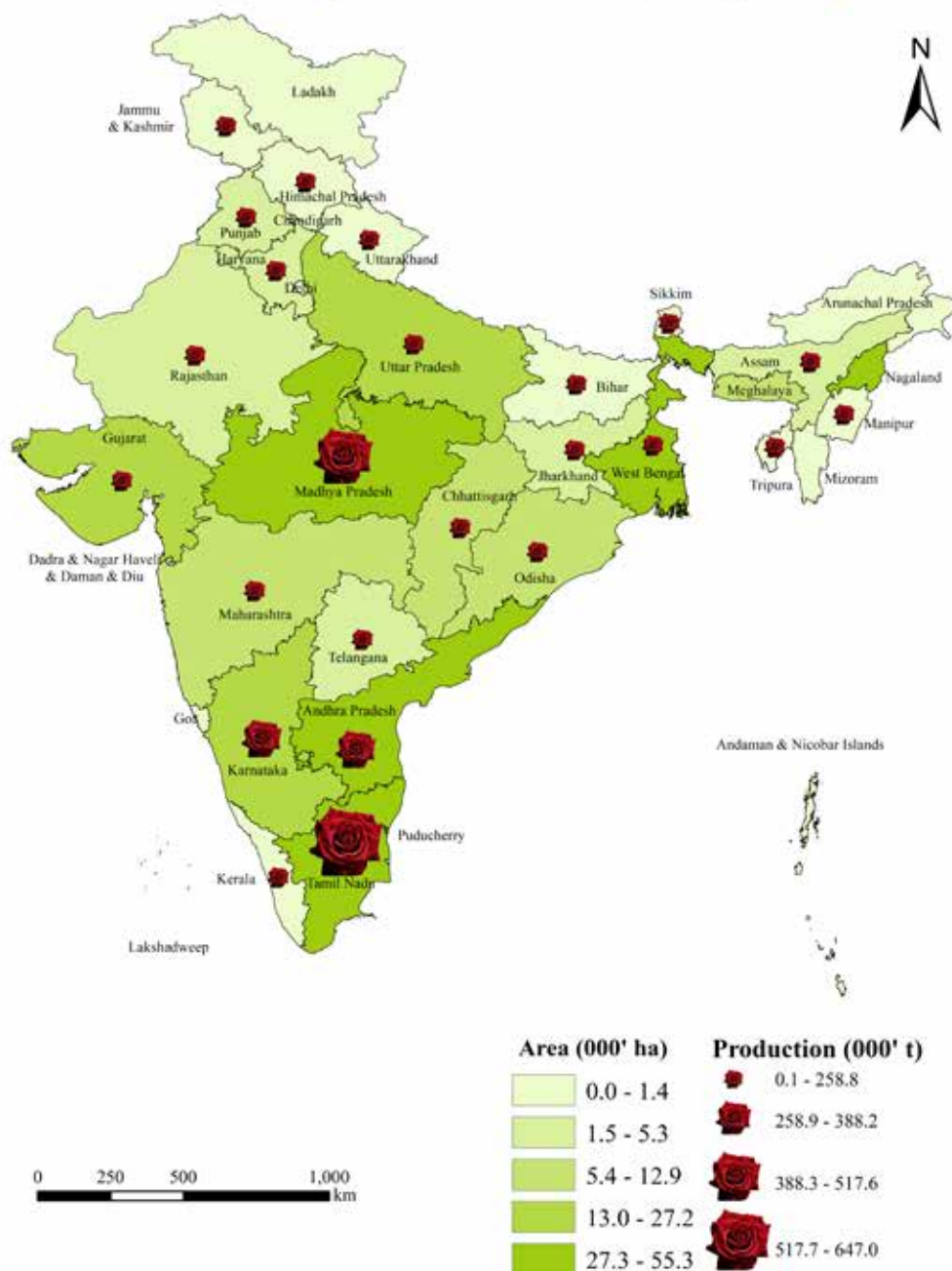


Table 4.15: State-wise area and production of major spices in India

(Area: 000' ha, Production: 000' Mt)

States/ Union Territories	2022-23		2023-24		2024-25*	
	Area	Production	Area	Production	Area	Production
Andhra Pradesh	306.67	1578.59	302.41	1321.40	231.89	1258.87
Arunachal Pradesh	11.21	17.79	10.59	63.73	10.57	28.81
Assam	102.64	324.56	102.36	392.40	102.92	393.84
Bihar	8.33	12.97	9.59	17.34	9.55	15.07
Chhattisgarh	10.68	8.96	10.08	13.29	11.14	13.65
Gujarat	644.06	1107.65	929.29	1439.97	756.69	1152.79
Haryana	5.69	30.42	5.57	34.93	6.16	44.06
Himachal Pradesh	11.58	31.78	10.67	29.19	10.86	29.11
Jammu & Kashmir	4.91	1.18	4.72	1.23	4.78	1.21
Jharkhand	5.21	95.65	5.20	94.44	5.25	94.68
Karnataka	384.31	684.66	442.65	704.70	442.78	898.15
Kerala	151.71	156.63	151.30	153.05	152.39	106.87
Madhya Pradesh	739.05	3573.22	767.25	3724.70	778.36	3840.03
Maharashtra	116.91	545.86	114.05	531.77	128.70	668.39
Manipur	8.74	64.41	8.62	90.76	9.06	89.63
Meghalaya	17.71	81.46	16.87	78.91	16.40	78.47
Mizoram	26.41	99.93	27.82	101.21	58.75	217.45
Nagaland	12.22	49.55	12.20	49.73	12.19	49.43
Odisha	155.35	440.51	161.26	478.34	154.68	398.25
Punjab	34.86	133.42	48.91	139.73	47.58	135.76
Rajasthan	931.07	952.60	1026.12	1000.49	920.88	1019.57
Sikkim	42.44	102.97	42.44	102.98	42.45	102.98
Tamil Nadu	115.95	262.80	108.66	272.85	111.03	281.97
Telangana	139.21	773.18	175.37	930.75	122.05	690.52
Tripura	7.39	30.80	7.36	30.99	6.64	27.95
Uttar Pradesh	433.30	326.09	435.92	337.94	443.36	386.83
Uttarakhand	17.29	70.65	17.18	69.57	17.19	69.62
West Bengal	68.34	269.71	67.63	275.70	67.42	274.35
Others	1.73	2.18	1.56	1.70	1.54	1.68
Total	4514.96	11830.16	5023.65	12483.79	4683.25	12369.98

Note : * Figures are as per Second Advance Estimates

Source : Estimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of major spices in India during 2024-25

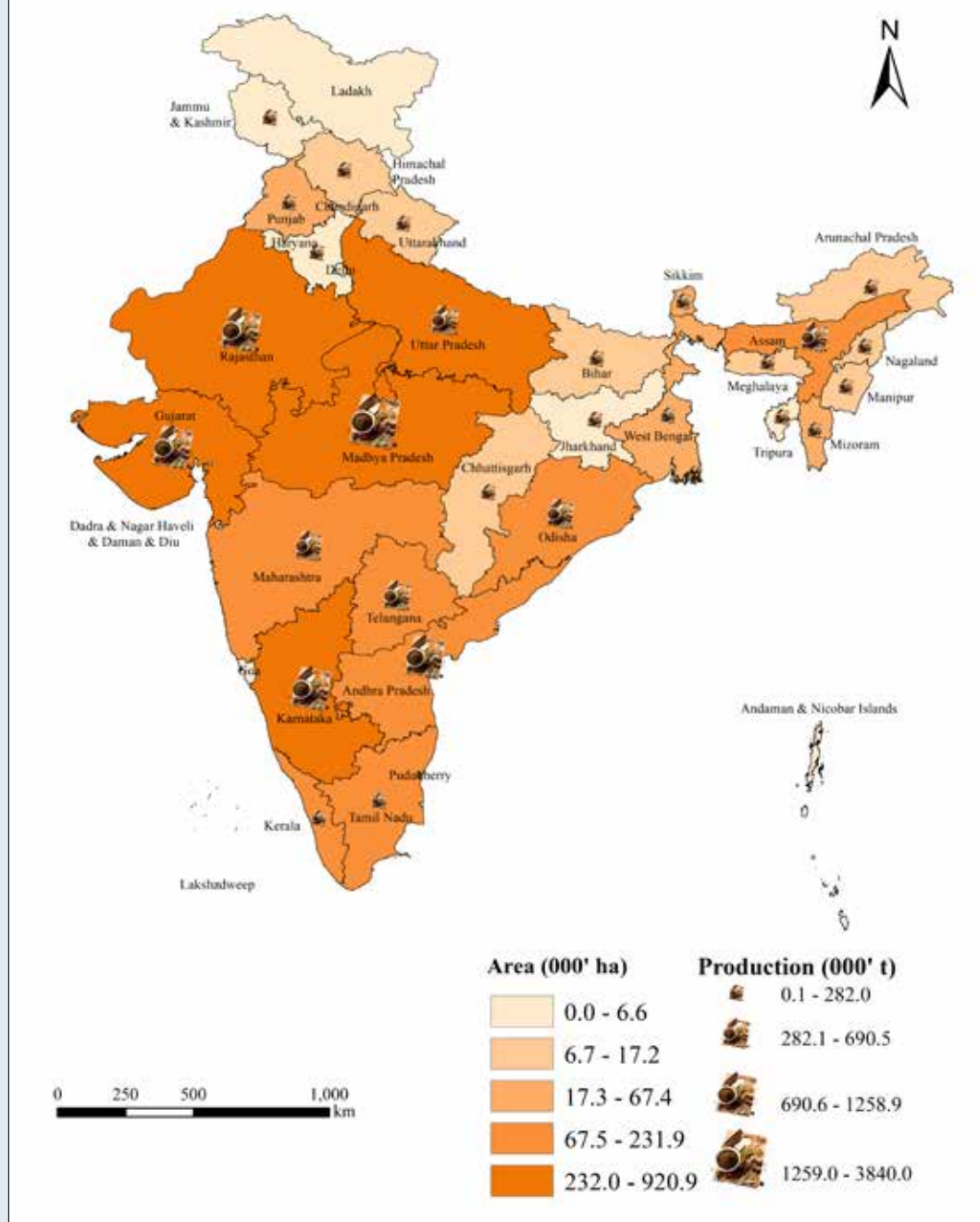


Table 4.16: State-wise area, production and productivity of plantation crops

(Area: 000' ha, Production: 000' Mt, Productivity: Mt/ha)

States/ Union Territories	2022-23			2023-24			2024-25*		
	Area	Production	Productivity	Area	Production	Productivity	Area	Production	Productivity
Andhra Pradesh	354.80	1366.65	3.85	358.49	1374.27	3.83	359.71	1382.21	3.84
Arunachal Pradesh	0.89	3.89	4.37	2.37	7.18	3.03	1.56	5.92	3.80
Assam	90.19	153.23	1.70	90.71	181.20	2.00	90.71	181.22	2.00
Bihar	12.27	54.27	4.42	10.84	31.96	2.95	10.86	32.03	2.95
Chhattisgarh	34.25	32.52	0.95	34.17	29.01	0.85	34.17	27.87	0.82
Gujarat	38.32	152.75	3.99	40.08	176.71	4.41	40.98	243.48	5.94
Haryana	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	--
Himachal Pradesh	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	--
Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	--
Jharkhand	15.58	6.60	0.42	15.58	6.60	0.42	15.58	6.60	0.42
Karnataka	1536.70	5233.89	3.41	1397.66	5367.72	3.84	1512.67	4463.03	2.95
Kerala	982.53	4072.41	4.14	991.09	3999.28	4.04	991.14	4051.84	4.09
Madhya Pradesh	0.61	0.36	0.59	0.63	0.36	0.57	0.82	1.53	1.86
Maharashtra	225.75	340.12	1.51	226.41	387.01	1.71	230.24	337.42	1.47
Manipur	0.90	0.33	0.37	0.95	0.33	0.35	1.18	0.71	0.61
Meghalaya	43.19	62.03	1.44	44.78	77.03	1.72	35.76	62.96	1.76
Mizoram	21.45	33.64	1.57	21.45	33.64	1.57	21.45	33.64	1.57
Nagaland	3.45	9.31	2.70	2.96	9.40	3.18	2.92	9.32	3.19
Odisha	279.67	443.11	1.58	281.84	444.52	1.58	281.42	436.66	1.55
Punjab	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	--
Rajasthan	0.15	0.35	2.33	0.01	0.35	35.00	0.06	0.42	7.21
Sikkim	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	--
Tamil Nadu	692.58	3866.18	5.58	716.31	4326.31	6.04	731.34	4428.91	6.06
Telangana	0.91	6.60	7.25	1.27	0.26	0.20	1.37	0.13	0.09
Tripura	16.85	45.38	2.69	17.00	50.64	2.98	17.14	50.25	2.93
Uttar Pradesh	0.27	21.25	78.70	0.27	21.25	78.70	0.27	21.25	80.17
Uttarakhand	0.00	0.00	0.00	0.00	0.00	--	0.00	0.00	--
West Bengal	79.19	880.83	11.12	79.94	881.44	11.03	79.62	845.83	10.62
Others	120.35	263.73	2.19	121.19	259.69	2.14	121.26	263.80	2.18
Total	4550.85	17049.43	3.75	4456.01	17666.19	3.96	4582.22	16887.02	3.69

Note : * Figures are as per Second Advance Estimates; --: Not Available

Source : Estimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of plantation crops

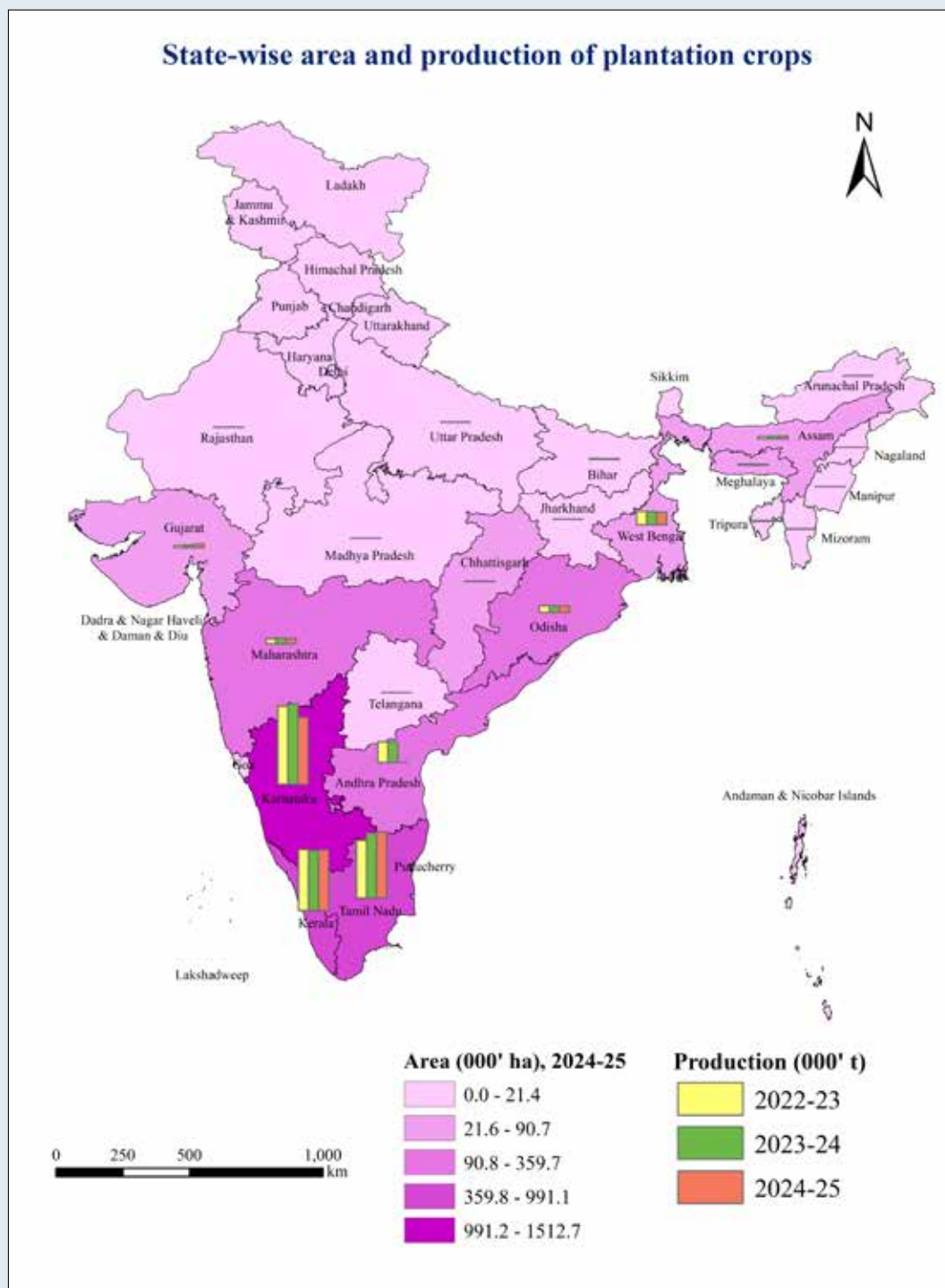


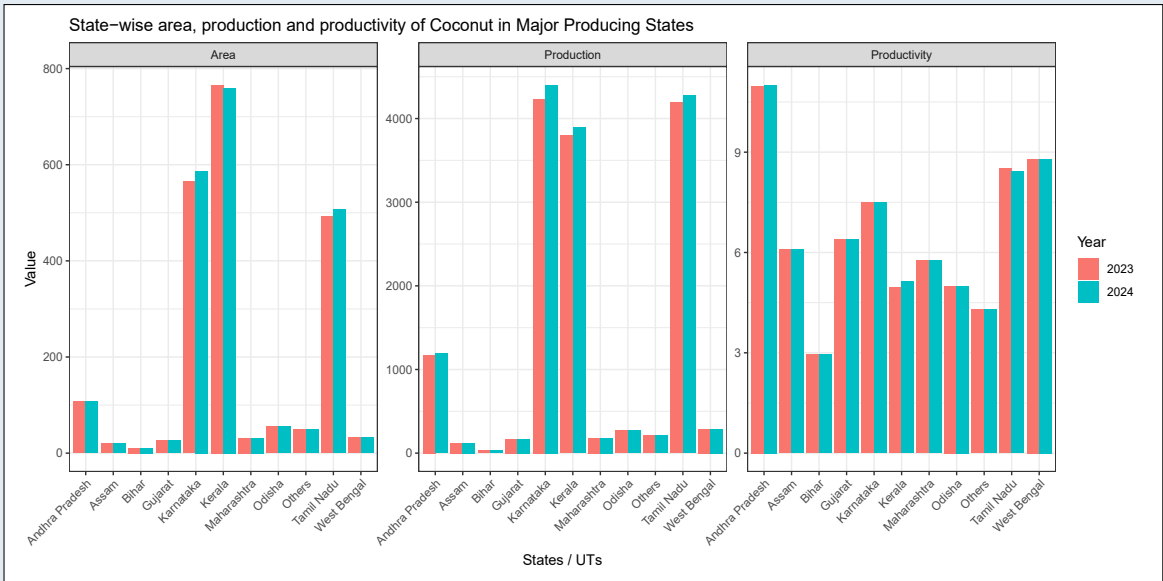
Table 4.17: State-wise area, production and productivity of Coconut in Major Producing States

(Area: 000' ha, Production: 000' t, Productivity: t/ha)

States/ Union Territories	2023-24			2024-25*		
	Area	Production	Productivity	Area	Production	Productivity
Karnataka	564.62	4232.61	7.50	587.21	4401.96	7.50
Tamil Nadu	492.61	4192.00	8.51	507.40	4271.70	8.42
Kerala	766	3800	4.96	759.77	3894.75	5.13
Andhra Pradesh	107	1175	10.98	107.87	1187.65	11.01
West Bengal	32.93	289.82	8.80	32.93	289.82	8.80
Odisha	54.95	274.86	5.00	54.95	274.86	5.00
Gujarat	26.56	169.331	6.38	26.56	169.33	6.38
Maharashtra	31.32	180.70	5.77	31.32	180.70	5.77
Assam	20.19	122.67	6.08	20.19	122.67	6.08
Bihar	10.82	31.94	2.95	10.82	31.94	2.95
Others	49.33	211.77	4.29	49.33	211.77	4.29
All India	2165.20	14707.57	6.79	2196.97	15064.26	6.86

Note : * Figures are as per first Advance Estimates

Source : Agricultural Statistics at a Glance 2024, Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW), Directorate



State-wise area and production of Coconut during 2024-25

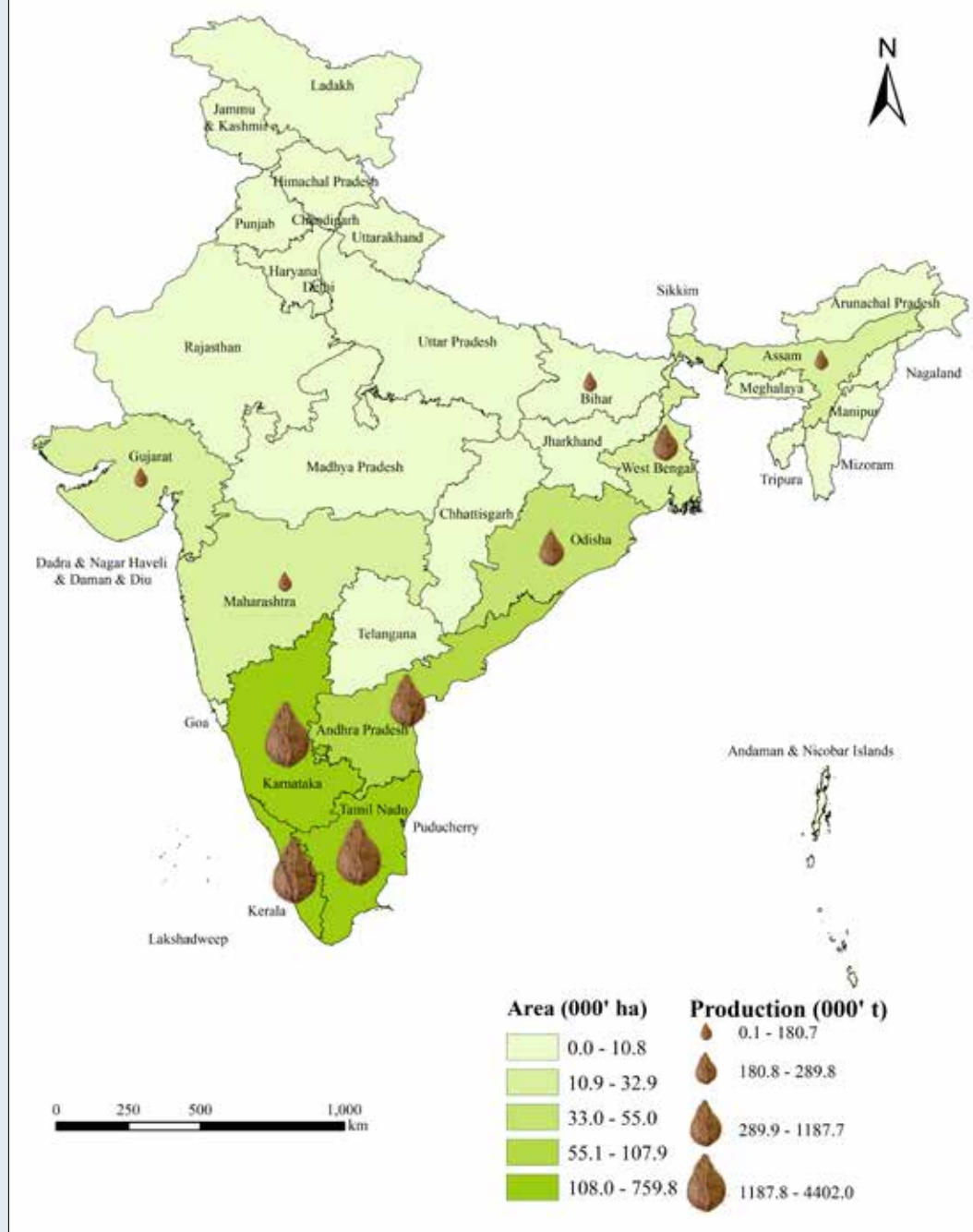


Table 4.18: State-wise area and production of aromatics & medicinal plants

(Area: 000' ha, Production: 000' Mt)

States/ Union Territories	2022-23		2023-24		2024-25*	
	Area	Production	Area	Production	Area	Production
Andhra Pradesh	3.37	11.37	3.37	11.37	3.37	11.37
Arunachal Pradesh	0.24	0.16	0.24	0.16	0.24	0.16
Assam	4.65	0.18	4.65	0.18	4.65	0.18
Bihar	5.08	22.93	4.93	22.58	4.95	22.96
Chhatisgarh	6.61	46.17	6.52	49.32	6.52	49.32
Gujarat	0.00	0.00	0.00	0.00	30.98	29.75
Haryana	0.17	2.18	0.35	0.23	0.35	2.13
Himachal Pradesh	1.12	0.91	1.12	0.91	1.12	0.91
Jammu & Kashmir	3.83	0.01	3.83	0.01	3.83	0.01
Jharkhand	0.42	4.25	0.42	4.07	0.42	4.11
Karnataka	1.18	9.27	2.64	13.16	0.88	2.55
Kerala	0.01	0.00	0.35	3.44	0.12	1.68
Madhya Pradesh	47.37	122.50	48.86	126.58	46.90	115.10
Maharashtra	1.12	4.21	0.81	3.22	0.84	2.90
Manipur	0.04	0.12	0.04	0.12	0.04	0.12
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00
Mizoram	0.77	0.78	0.77	0.78	0.77	0.78
Nagaland	0.08	0.67	0.08	0.64	0.08	0.69
Odisha	1.92	0.61	1.92	0.61	1.92	0.61
Punjab	13.37	3.02	13.37	3.02	13.37	3.02
Rajasthan	513.67	217.23	684.45	379.72	600.93	334.53
Tamil Nadu	14.13	143.33	12.27	89.05	12.64	92.36
Telangana	0.24	4.61	0.23	3.55	0.10	1.40
Uttar Pradesh	135.04	13.53	135.04	13.53	135.04	13.53
Total	754.42	608.03	926.25	726.23	870.05	690.15

Note : * Figures are as per Second Advance Estimates

Source : Esimates, Horticulture Statistics, Horticulture Division, Department of Agriculture & Farmers Welfare (DA&FW), Ministry of Agriculture & Farmers Welfare, Govt. of India (Website: <https://agriwelfare.gov.in/en/StatHortEst>).

State-wise area and production of aromatics & medicinal plants

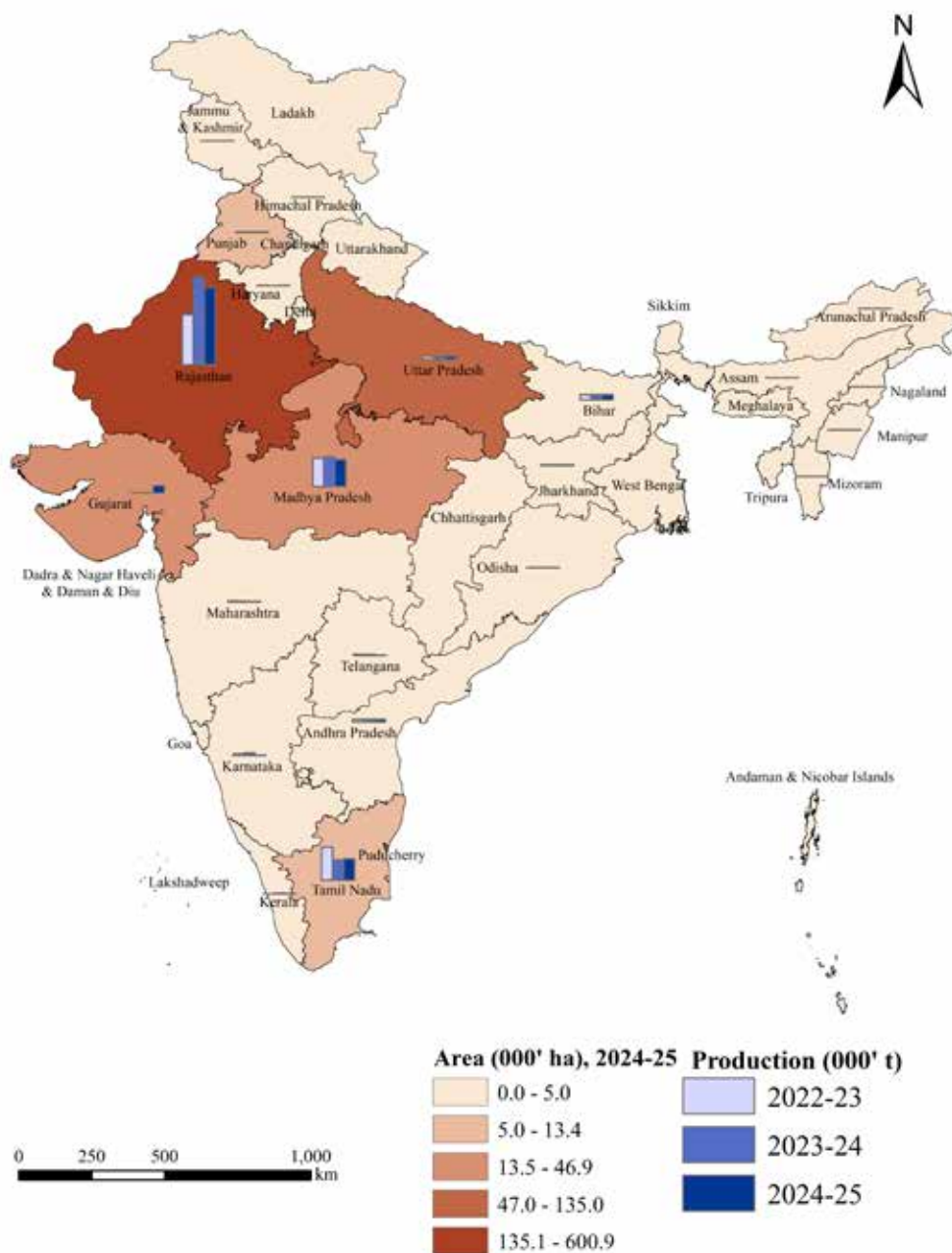


Table 4.19: Percent share of production of major horticulture crops

Crops	Percent share of production				
	2013-14	2014-15	2015-16	2016-17	2017-18
Fruits	32.1	30.8	31.5	30.9	31.2
Vegetables	58.7	60.3	59.1	59.3	59.2
Flowers & Aromatics	1.0	1.1	1.1	1.1	1.2
Plantation crops	5.9	5.5	5.8	6.0	5.8
Spices	2.1	2.2	2.4	2.7	2.6
Total (Horticulture)	100.00	100.00	100.00	100.00	100.00

Source: *Horticultural Statistics at a Glance 2018*, Horticulture Statistics Division, Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW), Ministry of Agriculture & Farmers Welfare, Government of India. (Website: agricoop.nic.in/imagedefault/hortstat_glance.pdf)

Table 4.20: Quantity and value of export of major horticulture crops

(Quantity: MT, Value: Lakh ₹)

Horticultural Product	2018-19		2019-20		2020-21	
	Quantity	Value	Quantity	Value	Quantity	Value
Floriculture						
Floriculture	19726.56	57141.25	16949.39	54161.01	15695.29	57598.40
Fruits & vegetables seeds	16151.15	84923.08	14796.09	72343.69	17177.18	80840.15
Total	35877.71	142064.33	31745.48	126504.70	32872.47	138438.55
Fresh fruits and vegetables						
Fresh onions	2183766.42	346887.38	1149896.84	232069.63	1578016.57	282653.44
Other fresh vegetables	735743.10	206965.62	754007.57	206477.47	682085.80	214320.11
Walnuts	1874.86	6677.26	1648.22	5277.52	1069.66	2978.69
Fresh Mangoes	46510.22	40649.55	49658.68	40021.35	21033.56	27187.82
Fresh grapes	246133.77	233525.09	193690.51	217686.83	246107.37	229845.05
Other fresh fruits	372213.73	183457.17	496577.66	206581.74	609612.92	223331.33
Others (Betel Leaves & Nuts)	17364.51	17427.48	14003.48	13712.52	10151.60	13778.78
Total	3603606.61	1035589.55	2659482.96	921827.06	3148077.48	994095.22
Processed fruits and vegetables						
Cucumber and Gherkins (Prepared & Preserved)	212819.85	143713.31	189342.90	124120.61	223515.51	165181.82
Processed Vegetables	248122.33	247399.74	253276.97	276053.24	403355.38	371862.95
Mango Pulp	105873.22	65767.02	85725.57	58431.95	98369.75	71440.84
Processed Fruits, Juices & Nuts	339606.57	280496.87	360488.14	308643.54	306990.51	317342.41
Pulses	289617.95	182257.98	235699.03	153373.64	296169.79	211669.06
Total	1196039.92	919634.92	1124532.61	920622.98	1328400.94	1137497.08

Source : DGCIS Annual Data (<http://www.apeda.gov.in/apedawebsite/index.asp>)

Table 4.21: Production of Horticulture vis-à-vis Foodgrains

Year	Production (In Million Tonnes)	
	Total Horticulture	Total Food grains
2001-02	145.8	212.9
2002-03	144.4	174.8
2003-04	153.3	213.2
2004-05	166.9	198.4
2005-06	182.8	208.6
2006-07	191.8	217.3
2007-08	211.2	230.8
2008-09	214.7	234.5
2009-10	223.1	218.1
2010-11	240.5	244.5
2011-12	257.3	259.3
2012-13	268.8	257.1
2013-14	277.4	265.6
2014-15	281.0	252.0
2015-16	286.2	251.6
2016-17	300.6	275.1
2017-18	311.7	284.8
2018-19	313.9	285.2
2019-20	320.5	297.5
2020-21	331.1	308.7
2021-22	315.6	347.2
2022-23	329.7	355.5
2023-24	332.3	354.7
2024-25	353.9*	362.1**

Note : * Figures are as per 3rd Advance Estimates; **Figures are as per 1st Advance Estimates.

Source : Agricultural Statistics at a Glance 2024, Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW),

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उत्पादन एवं उत्पादकता

SECTION-V
Production and Productivity

Table 5.1: Production and productivity in Indian agriculture during past seven decades

(Area: million ha, Production & Consumption: million t, Yield: kg/ha)

Crops	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2010-11	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25*
Area	97.32	115.58	124.32	126.67	127.84	121.05	126.67	129.23	127.52	124.78	126.99	129.80	130.17	132.20	132.10	137.29
Production	50.82	82.02	108.42	129.59	176.39	196.81	244.49	275.11	285.01	285.21	297.50	310.74	315.62	329.69	332.30	353.96
Yield	522	710	872	1023	1380	1626	1930	2129	2235	2286	2343	2394	2425	2494	2515	2578
Production	20.58	34.58	42.22	53.63	74.29	84.98	95.98	109.70	112.76	116.48	118.87	124.37	129.47	135.76	137.82	149.07
Yield	668	1013	1123	1336	1740	1901	2239	2494	2576	2638	2722	2717	2798	2838	2882	2899
Production	6.46	11.00	23.83	36.31	55.14	69.68	86.87	98.51	99.87	103.60	107.86	109.59	107.74	110.55	113.29	117.51
Yield	663	851	1307	1630	2281	2708	2988	3200	3368	3533	3440	3521	3537	3521	3559	3587
Production	15.38	23.74	30.55	29.02	32.70	31.08	43.40	43.77	46.97	43.06	47.75	51.32	51.10	57.32	56.94	62.14
Yield	408	528	665	695	900	1027	1531	1750	1934	1944	1991	2128	2251	2381	2283	2438
Production	57.05	110.00	126.37	154.25	241.05	295.96	342.38	306.07	379.90	405.42	370.50	405.40	439.42	490.53	453.16	450.12
Yield	33422	45549	48322	57844	65395	68577	70091	69001	80198	80105	80497	83566	84906	83349	78953	84006
Production	8.41	12.70	11.82	10.63	14.26	11.08	18.24	23.13	25.42	22.08	23.03	25.46	27.30	26.06	24.25	25.24
Yield	441	539	524	473	578	544	691	786	853	757	823	885	888	902	881	914
Production	5.16	6.98	9.63	9.37	18.61	18.44	32.48	31.28	31.46	31.52	33.22	35.95	37.96	41.36	39.67	42.61
Yield	481	507	579	532	771	810	1193	1195	1284	1271	1224	1247	1312	1368	1314	1408
Production	17.00	20.00	22.00	31.60	53.90	80.60	121.80	165.40	176.35	187.75	198.44	209.96	222.07	230.58	239.30	N.A.
Yield	0.75	1.16	1.76	2.44	3.84	5.66	8.42	11.43	12.59	13.57	14.16	14.73	16.25	17.55	18.40 [†]	N.A.
Gross cropped area	131.89	131.89	165.79	172.63	185.74	185.34	198.13 [†]	201.16 [†]	200.88 [†]	201.18 [†]	211.36 [†]	216.11 [†]	219.16 [†]	219.36 [†]	N.A.	N.A.
Gross irrigated area	22.56	22.56	38.20	49.78	63.20	76.19	89.32 [†]	99.44 [†]	101.27 [†]	104.49 [†]	112.23 [†]	118.93 [†]	120.38 [†]	122.29 [†]	N.A.	N.A.
Fertiliser consumption	0.07	0.07	2.18	5.52	12.55	16.70	28.12	25.94	26.59	27.29	29.37	32.54	29.80	29.84	30.64	32.93

Note : 1. N.A.: Not available, 2. *: Third Advance estimates, 3. #: Provisional.

Source : 1. *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)

2. Basic Animal Husbandry Statistics 2023, Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying, Govt. of India.

Table 5.2: Season-wise all India normal estimates of area, production and yield of major crops

(Area: million ha, Production: million t, Yield: kg/ha)

Crops	Area			Production			Yield		
	Kharif	Rabi	Summer	Total	Kharif	Rabi	Summer	Total	Total
Foodgrains									
Rice	40.31	4.74	3.06	46.27	108.45	16.76	10.11	129.26	3302
Wheat	N.A.	31.24	N.A.	31.24	N.A.	109.81	N.A.	109.81	N.A.
Maize	7.89	2.14	0.63	10.28	21.92	10.84	3.06	33.98	3515
Jowar	1.51	2.60	0.04	4.12	1.66	2.79	0.03	4.46	4888
Bajra	7.23	N.A.	0.41	7.39	10.20	N.A.	1.07	10.63	1073
Nutri/Coarse Cereals	18.24	5.30	1.06	23.96	35.92	15.30	4.15	52.89	714
Tur	4.47	N.A.	N.A.	4.47	3.83	N.A.	N.A.	3.83	2630
Gram	N.A.	10.10	N.A.	10.10	N.A.	11.97	N.A.	11.97	3915
Total Pulses	12.96	14.96	2.16	28.78	7.87	16.51	2.08	25.22	857
Total Foodgrains	71.51	56.23	6.28	130.25	152.25	158.39	16.33	317.17	2602
Oilseeds									
Groundnut	N.A.	N.A.	N.A.	5.24	N.A.	N.A.	N.A.	10.16	N.A.
Soybean	N.A.	N.A.	N.A.	12.72	N.A.	N.A.	N.A.	12.97	N.A.
Sunflower	N.A.	N.A.	N.A.	0.25	N.A.	N.A.	N.A.	0.24	N.A.
Rapeseed & Mustard	N.A.	N.A.	N.A.	7.92	N.A.	N.A.	N.A.	11.44	N.A.
Total Oil Oilseeds	N.A.	N.A.	N.A.	29.07	N.A.	N.A.	N.A.	37.63	N.A.
Other Cash Crops									
Sugarcane	N.A.	N.A.	N.A.	5.25	N.A.	N.A.	N.A.	431.80	N.A.
Cotton@	N.A.	N.A.	N.A.	12.95	N.A.	N.A.	N.A.	33.72	N.A.
Jute & Mesta	N.A.	N.A.	N.A.	0.66	N.A.	N.A.	N.A.	9.69	N.A.
Total	N.A.	N.A.	N.A.	16.86	N.A.	N.A.	N.A.	475.41	N.A.

Note : 1. @: Production in million bales of 170 kg each, 2. \$: Production in million bales of 180 kg each, 3. N.A.: Not available, 4. Normal estimates = Average of estimates from 2019-20 to 2023-24.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press).

Table 5.3: Targets and achievements of production of major crops

Crops	XI th Five Year Plan		XII th Five Year Plan		2017-18		2018-19		2019-20	
	Targets	Achievements	Targets	Achievements	Targets	Achievements	Targets	Achievements	Targets	Achievements
Rice	494.50	486.24	529.60	531.48	108.50	112.76	114.00	116.48	116.00	118.87
Wheat	399.00	421.80	465.75	466.69	97.50	99.87	102.20	103.60	100.50	107.86
Nutri Cereals	208.60	200.03	215.55	207.88	45.65	46.97	48.10	43.06	48.30	47.75
Pulses	81.00	79.32	97.54	94.19	22.90	25.42	25.95	22.08	26.30	23.03
Foodgrains	1183.10	1187.43	1308.44	1300.85	274.55	285.01	290.25	285.21	291.10	297.50
Oilseeds	160.15	144.85	165.50	147.73	35.50	31.46	36.00	31.52	36.10	33.22
Sugarcane	1655.00	1628.94	1747.00	1710.19	355.00	379.90	385.00	405.42	385.50	370.50
Cotton[#]	134.00	140.38	176.15	167.52	35.50	32.81	35.50	28.04	35.75	36.07
Jute & Mesta[@]	57.00	55.42	58.60	55.23	11.70	10.03	11.20	9.82	11.20	9.88

Note : 1. #: Million Bales of 170 kg each, 2. @: Million Bales of 180 kg each.

Source : *Agricultural Statistics at a Glance 2020 & 2021*, Directorate of Economics and Statistics, Ministry of Agriculture & Farmers Welfare, Govt. of India.

Table 5.4: All India estimates of yield of major crops

Crops	1950-51	1990-91	2000-01	2010-11	2015-16	2019- 20	2020-21	2021-22	2022-23	2023-24	2024-25
Rice	6.68	17.40	19.01	22.39	24.00	27.22	27.17	27.98	28.38	28.82	28.99
Wheat	6.63	22.81	27.08	29.88	30.34	34.40	35.21	35.37	35.21	35.59	35.87
Jowar	3.53	8.14	7.64	9.49	6.97	9.89	10.99	10.92	10.79	11.62	12.25
Bajra	2.88	6.58	6.88	10.79	11.32	13.74	14.20	14.30	15.10	14.53	15.07
Maize	5.47	15.18	18.22	25.40	25.63	30.06	31.99	33.87	35.45	33.51	35.18
Nutri Cereals	4.08	9.00	10.27	15.31	15.79	19.91	21.28	22.51	23.81	22.83	24.38
Gram	4.82	7.12	7.44	8.95	8.40	11.42	11.92	12.61	11.72	11.51	11.80
Tur or Arhar	7.88	6.73	6.18	6.55	6.46	8.59	9.14	8.61	8.14	8.27	8.23
Total Pulses	4.41	5.78	5.44	6.91	6.56	8.23	8.85	8.88	9.02	8.81	9.14
Total Foodgrains	5.22	13.80	16.26	19.30	20.42	23.43	23.94	24.25	24.94	25.15	25.78
Sugarcane	334.22	653.95	685.78	700.91	707.95	804.97	835.66	849.06	833.49	789.53	840.06
Groundnut	7.75	9.04	9.77	14.11	14.65	20.63	17.03	17.77	20.75	21.63	20.67
Rapeseed & Mustard	3.68	9.04	9.36	11.85	11.83	13.31	15.24	14.97	14.28	14.44	14.61
Soybean	4.26	10.15	8.23	13.27	7.38	9.21	9.76	10.69	11.45	9.85	11.72
Sunflower	6.53	5.35	6.05	7.01	6.08	9.31	10.11	9.23	9.96	11.44	11.29
Nine Oilseeds	4.81	7.71	8.10	11.93	9.68	12.24	12.47	13.12	13.68	13.14	14.08
Cotton	0.88	2.25	1.90	4.99	4.15	4.55	4.51	4.28	4.43	4.36	4.65
Tobacco	7.31	13.53	13.18	16.87	17.81	19.82	21.15	21.18	20.29	21.09	N.A.

Note : 1. N.A.: Not available, 2. *: Third Advance Estimate.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.
(In Press)

Table 5.5: All India area, production and yield of total foodgrains

Year	Area		Production		Yield		% Coverage under irrigation
	(million ha)	Growth rate (%)	(million t)	Growth rate (%)	(kg/ha)	Growth rate (%)	
1999-00	123.10	-1.7	209.80	3.0	1704	4.7	44.6
2000-01	121.05	-1.7	196.81	-6.2	1626	-4.6	43.7
2001-02	122.78	1.4	212.85	8.2	1734	6.6	43.6
2002-03	113.86	-7.3	174.77	-17.9	1535	-11.5	43.4
2003-04	123.45	8.4	213.19	22.0	1727	12.5	42.6
2004-05	120.08	-2.7	198.36	-7.0	1652	-4.3	44.6
2005-06	121.60	1.3	208.60	5.2	1715	3.8	45.7
2006-07	123.71	1.7	217.28	4.2	1756	2.4	47.1
2007-08	124.07	0.3	230.78	6.2	1860	5.9	47.3
2008-09	122.83	-1.0	234.47	1.6	1909	2.6	48.5
2009-10	121.33	-1.2	218.11	-7.0	1798	-5.8	47.8
2010-11	126.67	4.4	244.49	12.1	1930	7.3	48.2
2011-12	124.75	-1.5	259.29	6.1	2078	7.7	49.9
2012-13	120.78	-3.2	257.13	-0.8	2129	2.5	51.4
2013-14	125.05	3.5	265.05	3.1	2120	-0.4	52.0
2014-15	124.30	-0.6	252.02	-4.9	2028	-4.3	53.5
2015-16	123.22	-0.9	251.54	-0.2	2042	0.7	53.0
2016-17	129.23	4.9	275.11	9.4	2129	4.3	52.4
2017-18	127.52	-1.3	285.01	3.6	2235	5.0	53.4
2018-19	124.78	-2.1	285.21	0.1	2286	2.3	54.7
2019-20	126.99	1.8	297.50	4.3	2343	2.5	57.0
2020-21	129.80	2.2	310.74	4.5	2394	2.2	59.0
2021-22	130.17	0.3	315.62	1.6	2425	1.3	57.3
2022-23	132.20	1.6	329.69	4.5	2494	2.8	58.4
2023-24	132.10	-0.1	332.30	0.8	2515	0.8	N.A.
2024-25 ^s	137.29	3.9	353.96	6.5	2578	2.5	N.A.
2025-26 [#]			327.73-370.96				

Note : 1. N.A.: Not available, 2. \$: Third Advance Estimates, 3. #: Projections are based on statistical models using past years data since 1950-51.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)

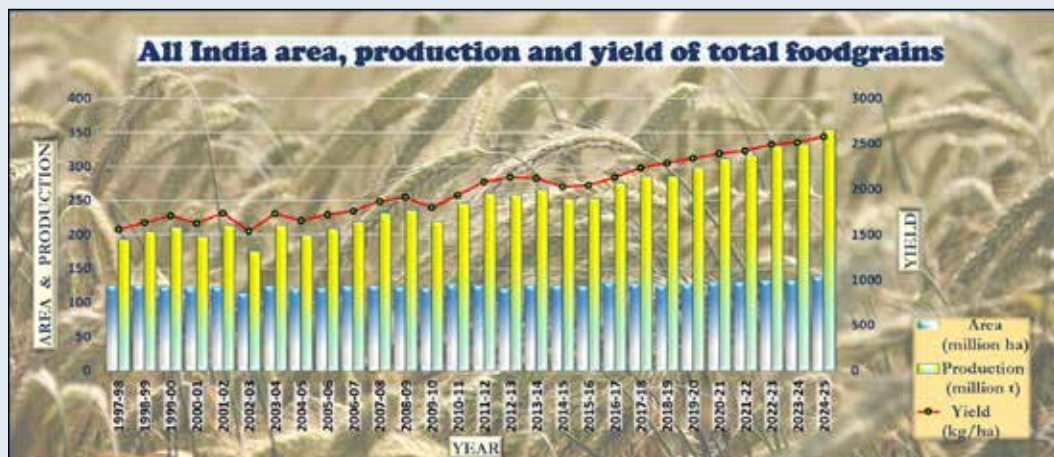


Table 5.6: State-wise area, production and yield of total foodgrains during 2022-23 and 2023-24 along with coverage under irrigation

State	2023-24					2022-23					Area under irrigation (%) 2022-23 *
	Area	% to all India	Production	% to all India	Yield	Area	% to all India	Production	% to all India	Yield	
Uttar Pradesh	20.96	15.87	60.29	18.14	2876	20.41	15.44	57.51	17.44	2817	79.20
Madhya Pradesh	18.28	13.84	41.47	12.48	2268	18.26	13.81	41.93	12.72	2296	71.20
Punjab	6.87	5.20	32.54	9.79	4737	6.76	5.12	30.24	9.17	4470	98.76
Rajasthan	14.44	10.93	21.87	6.58	1515	15.03	11.37	23.81	7.22	1584	30.55
Bihar	6.83	5.17	21.20	6.38	3106	6.26	4.73	18.34	5.56	2931	79.43
Telangana	5.62	4.26	20.28	6.10	3606	5.70	4.31	19.38	5.88	3401	86.43
West Bengal	6.15	4.66	19.32	5.82	3141	6.07	4.59	18.77	5.69	3093	53.48
Haryana	4.54	3.44	18.44	5.55	4058	4.52	3.42	17.39	5.28	3846	93.44
Maharashtra	10.77	8.15	14.51	4.37	1347	11.31	8.56	16.73	5.07	1479	21.43
Karnataka	7.47	5.66	12.78	3.85	1710	7.74	5.85	14.18	4.30	1832	30.91
Others	30.16	22.82	69.59	20.94	2307	30.14	22.80	71.41	21.67	2369	-
All India	132.09	100.00	332.29	100.00	2516	132.20	100.00	329.69	100.00	2494	58.38

Note : 1. States have been arranged in descending order of percentage share of production during 2023-24, 2. *: Provisional.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)

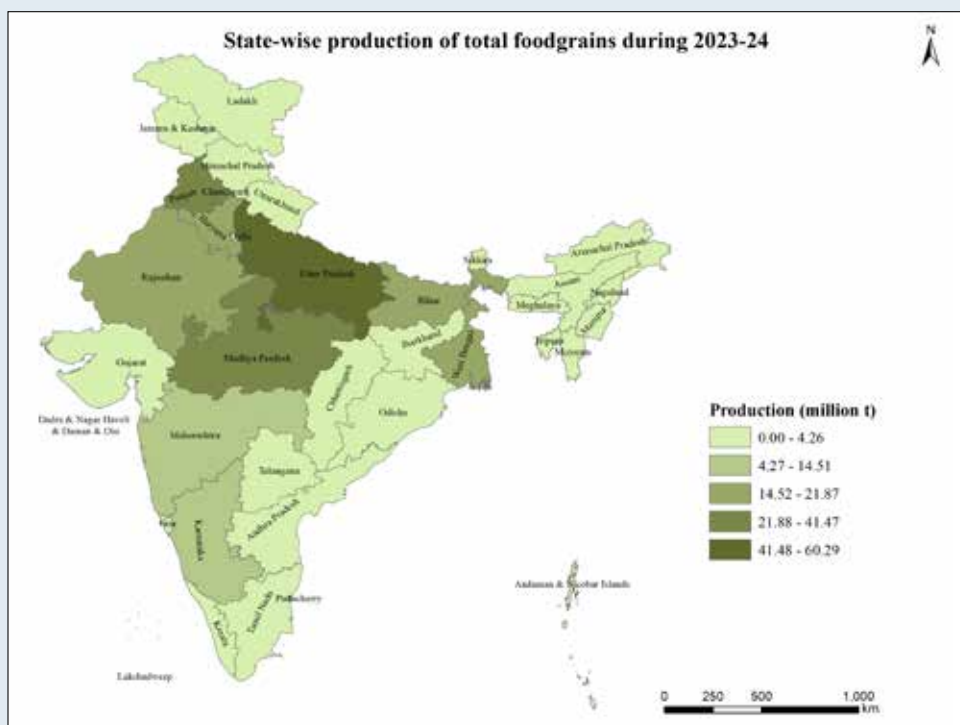
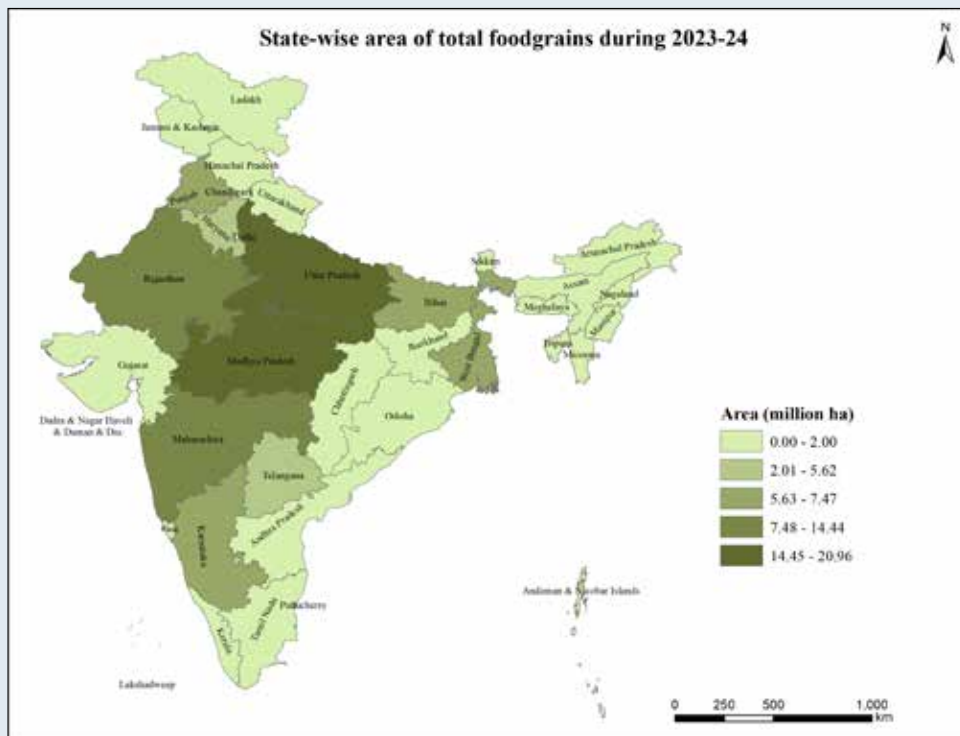
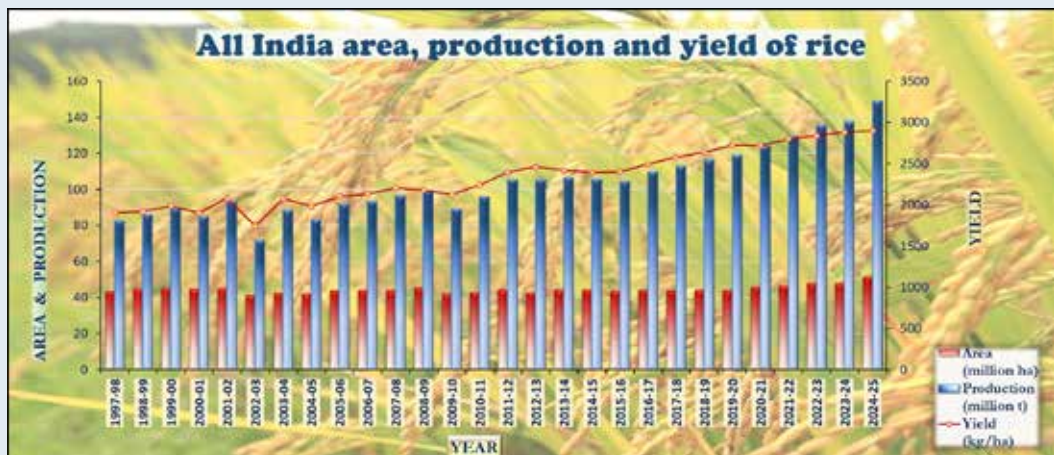


Table 5.7: All India area, production and yield of Rice

Year	Area		Production		Yield		% Coverage under irrigation
	(million ha)	Growth rate (%)	(million t)	Growth rate (%)	(kg/ha)	Growth rate (%)	
1999-00	45.16	0.8	89.68	4.2	1986	3.4	55.1
2000-01	44.71	-1.0	84.98	-5.2	1901	-4.3	54.4
2001-02	44.90	0.4	93.34	9.8	2079	9.4	54.6
2002-03	41.18	-8.3	71.82	-23.1	1744	-16.1	51.3
2003-04	42.59	3.4	88.53	23.3	2077	19.1	52.9
2004-05	41.91	-1.6	83.13	-6.1	1984	-4.5	55.2
2005-06	43.66	4.2	91.79	10.4	2102	5.9	56.8
2006-07	43.81	0.3	93.36	1.7	2131	1.4	58.0
2007-08	43.91	0.2	96.69	3.6	2202	3.3	57.7
2008-09	45.54	3.7	99.18	2.6	2178	-1.1	58.8
2009-10	41.92	-7.9	89.09	-10.2	2125	-2.4	56.9
2010-11	42.86	2.2	95.98	7.7	2239	5.4	58.8
2011-12	44.01	2.7	105.30	9.7	2393	6.9	58.6
2012-13	42.75	-2.9	105.23	-0.1	2461	2.8	58.5
2013-14	44.14	3.3	106.65	1.3	2416	-1.8	59.6
2014-15	44.11	-0.1	105.48	-1.1	2391	-1.0	60.2
2015-16	43.50	-1.4	104.41	-1.0	2400	0.4	60.4
2016-17	43.99	1.1	109.70	5.1	2494	3.9	60.7
2017-18	43.77	-0.5	112.76	2.8	2576	3.3	61.5
2018-19	44.16	0.9	116.48	3.3	2638	2.4	63.0
2019-20	43.66	-1.1	118.87	2.1	2722	3.2	65.0
2020-21	45.77	4.8	124.37	4.6	2717	-0.2	66.7
2021-22	46.28	1.1	129.47	4.1	2798	3.0	67.6
2022-23	47.83	3.3	135.76	4.9	2838	1.4	68.9
2023-24	47.83	0.0	137.82	1.5	2882	1.6	N.A.
2024-25 ^s	51.42	7.5	149.07	8.2	2899	0.6	N.A.
2025-26 [#]			135.62-156.30				

Note : 1. N.A.: Not available, 2. \$: Third Advance Estimates, 3. #: Projections are based on statistical models using past years data since 1950-51.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)



**Table 5.8: State-wise area, production and yield of Rice during 2022-23 and 2023-24
along with coverage under irrigation**

(Area: million ha, Production: million t, Yield: kg/ha)

State	2023-24					2022-23					Area under irrigation (%) 2022-23*
	Area	% to all India	Production	% to all India	Yield	Area	% to all India	Production	% to all India	Yield	
Telangana	4.69	9.80	16.87	12.24	3602	4.66	9.75	15.88	11.70	3406	99.77
Uttar Pradesh	5.77	12.06	15.99	11.60	2772	5.90	12.33	16.14	11.89	2737	99.90
West Bengal	5.12	10.70	15.69	11.38	3064	5.07	10.59	15.48	11.41	3057	51.08
Punjab	3.18	6.65	14.36	10.42	4516	3.10	6.48	12.99	9.57	4193	99.72
Chhattisgarh	3.82	7.99	9.70	7.04	2539	3.77	7.88	9.81	7.23	2602	36.67
Odisha	4.07	8.51	8.47	6.15	2081	4.06	8.50	8.25	6.08	2030	35.67
Bihar	3.11	6.50	7.90	5.73	2541	2.86	5.99	7.02	5.17	2453	74.73
Andhra Pradesh	1.92	4.02	7.34	5.33	3822	2.13	4.45	7.94	5.85	3730	97.23
Madhya Pradesh	3.48	7.28	7.24	5.25	2080	3.41	7.14	7.02	5.17	2057	60.93
Tamil Nadu	2.10	4.39	6.80	4.93	3235	2.16	4.51	7.56	5.57	3500	93.81
Others	10.57	22.10	27.46	19.93	2598	10.71	22.38	27.67	20.36	2584	-
All India	47.83	100.00	137.82	100.00	2882	47.83	100.00	135.76	100.00	2838	68.93

Note : 1. States have been arranged in descending order of percentage share of production during 2023-24, 2. *: Provisional.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.
(In Press)

Production and productivity

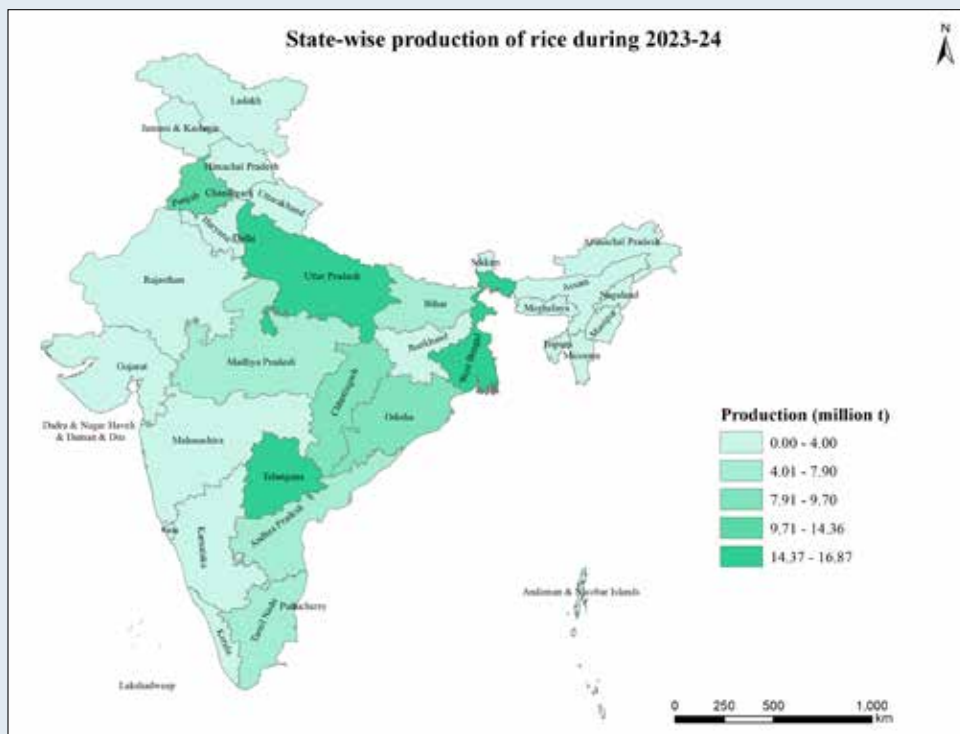
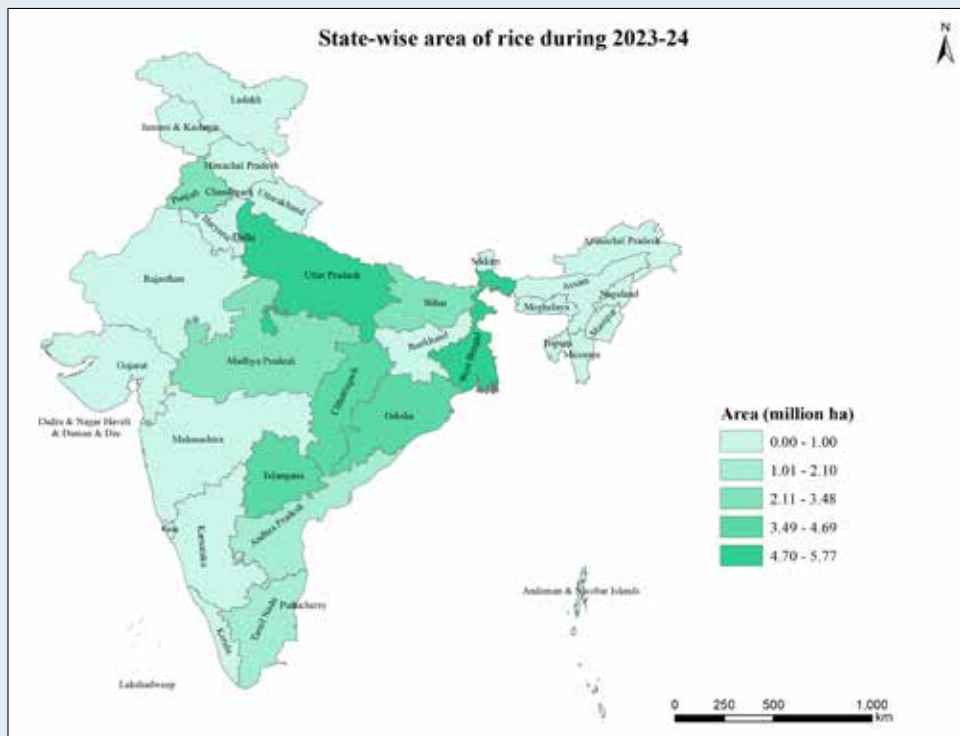


Table 5.9: All India area, production and yield of Wheat

Year	Area		Production		Yield		% Coverage under irrigation
	(million ha)	Growth rate (%)	(million t)	Growth rate (%)	(kg/ha)	Growth rate (%)	
1999-00	27.49	-0.1	76.37	7.1	2778	7.3	87.2
2000-01	25.73	-6.4	69.68	-8.8	2708	-2.5	88.4
2001-02	26.34	2.4	72.77	4.4	2762	2.0	88.6
2002-03	25.20	-4.3	65.76	-9.6	2610	-5.5	88.8
2003-04	26.60	5.6	72.16	9.7	2713	3.9	89.6
2004-05	26.38	-0.8	68.64	-4.9	2602	-4.1	89.9
2005-06	26.48	0.4	69.35	1.0	2619	0.7	90.6
2006-07	27.99	5.7	75.81	9.3	2708	3.4	90.9
2007-08	28.04	0.2	78.57	3.6	2802	3.5	91.3
2008-09	27.75	-1.0	80.68	2.7	2907	3.7	91.7
2009-10	28.46	2.6	80.80	0.1	2839	-2.3	91.8
2010-11	29.07	2.1	86.87	7.5	2988	5.2	91.6
2011-12	29.86	2.7	94.88	9.2	3177	6.3	92.2
2012-13	30.00	0.5	93.51	-1.4	3117	-1.9	92.7
2013-14	30.47	1.6	95.85	2.5	3146	0.9	92.8
2014-15	31.47	3.3	86.53	-9.7	2750	-12.6	94.4
2015-16	30.42	-3.3	92.29	6.7	3034	10.3	94.4
2016-17	30.79	1.2	98.51	6.7	3200	5.5	94.6
2017-18	29.65	-3.7	99.87	1.4	3368	5.3	94.7
2018-19	29.32	-1.1	103.60	3.7	3533	4.9	95.5
2019-20	31.36	7.0	107.86	4.1	3440	-2.6	95.8
2020-21	31.13	-0.7	109.59	1.6	3521	2.4	95.6
2021-22	30.46	-2.2	107.74	-1.7	3537	0.5	95.3
2022-23	31.40	3.1	110.55	2.6	3521	-0.5	95.5
2023-24	31.83	1.4	113.29	2.5	3559	1.1	N.A.
2024-25 ^s	32.76	2.9	117.51	3.7	3587	0.8	N.A.
2025-26 [#]			111.46-124.55				

Note : 1. N.A.: Not available, 2. \$: Third Advance Estimates, 3. #: Projections are based on statistical models using past years data since 1950-51.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)

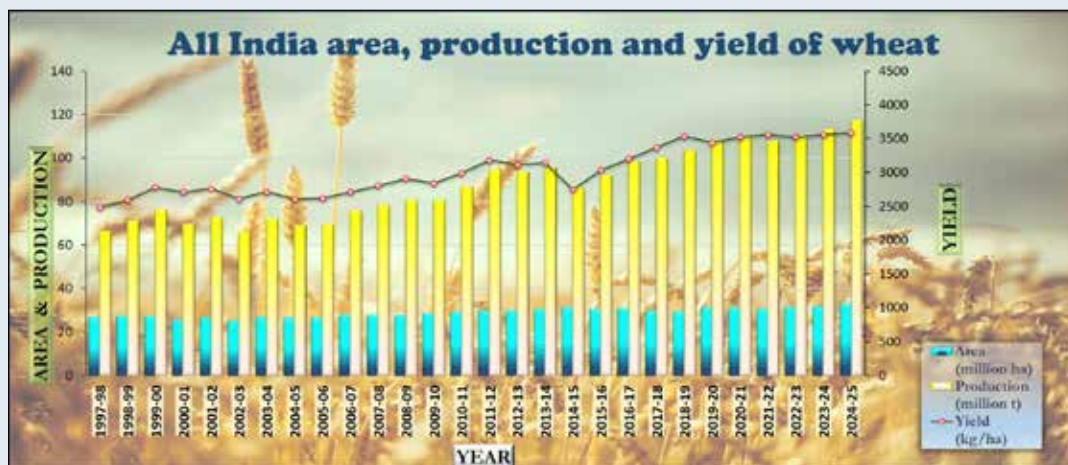


Table 5.10: State-wise area, production and yield of Wheat during 2022-23 and 2023-24 along with coverage under irrigation

(Area: million ha, Production: million t, Yield: kg/ha)

State	2023-24					2022-23					Area under irrigation (%) 2022-23*
	Area	% to all India	Production	% to all India	Yield	Area	% to all India	Production	% to all India	Yield	
Uttar Pradesh	9.53	29.94	35.34	31.19	3708	9.52	30.31	33.61	30.40	3531	98.20
Madhya Pradesh	7.50	23.55	22.58	19.93	3012	7.15	22.77	22.73	20.56	3179	96.89
Punjab	3.52	11.04	17.74	15.66	5045	3.53	11.26	16.78	15.18	4748	99.06
Haryana	2.37	7.44	11.19	9.88	4723	2.32	7.40	10.93	9.89	4704	98.84
Rajasthan	2.74	8.61	9.70	8.56	3540	2.79	8.90	10.64	9.62	3807	99.79
Bihar	2.28	7.15	7.17	6.33	3150	2.20	7.00	6.51	5.89	2958	97.98
Gujarat	1.25	3.92	3.77	3.33	3027	1.07	3.40	3.46	3.13	3248	97.93
Maharashtra	1.05	3.29	1.99	1.75	1899	1.22	3.88	2.37	2.15	1948	73.89
Uttarakhand	0.27	0.84	0.87	0.77	3244	0.29	0.91	0.83	0.75	2916	70.84
Himachal Pradesh	0.32	1.00	0.79	0.69	2480	0.32	1.02	0.59	0.54	1853	26.55
Others	1.00	3.22	2.15	1.91	2150	0.99	3.15	2.10	1.89	2121	-
All India	31.83	100.00	113.29	100.00	3559	31.40	100.00	110.55	100.00	3521	95.54

Note : 1. States have been arranged in descending order of percentage share of production during 2023-24, 2. *: Provisional.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.
(In Press)

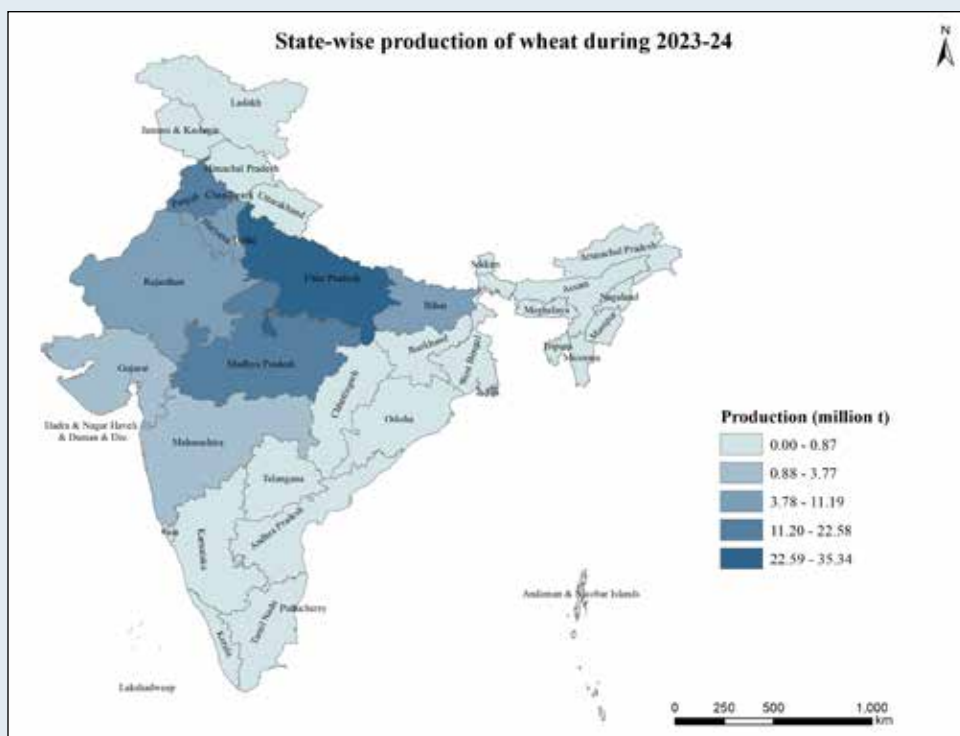
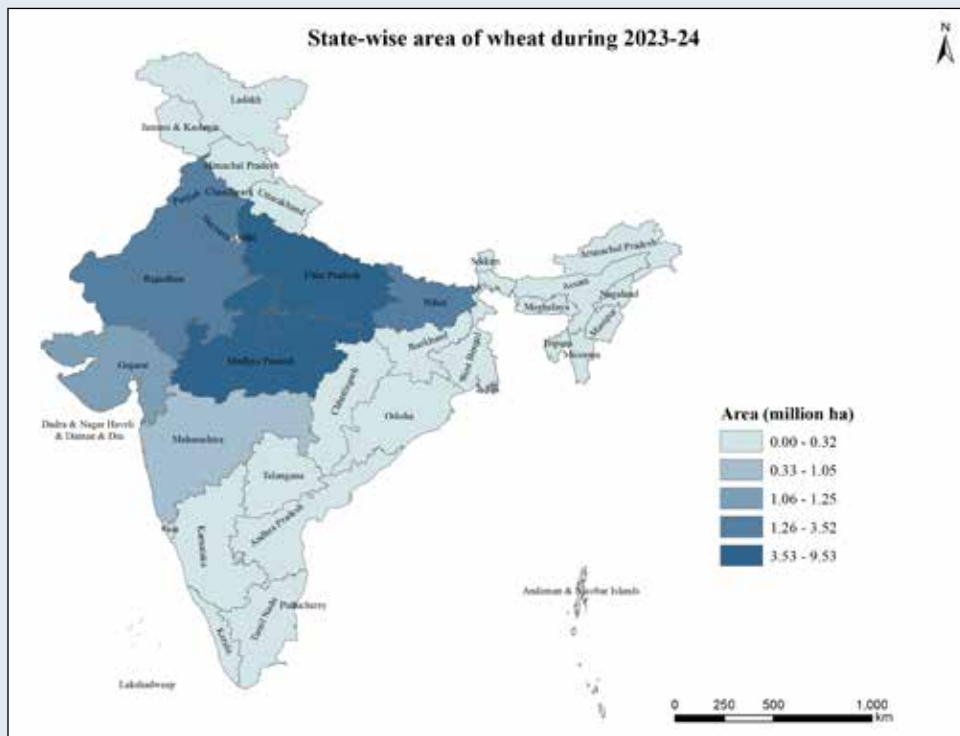


Table 5.11: All India area, production and yield of Jowar

Year	Area		Production		Yield		% Coverage under irrigation
	(million ha)	Growth rate (%)	(million t)	Growth rate (%)	(kg/ha)	Growth rate (%)	
1999-00	10.25	4.7	8.68	3.1	847	-1.4	8.3
2000-01	9.86	-3.8	7.53	-13.2	764	-9.8	8.3
2001-02	9.81	-0.6	7.56	0.4	771	0.9	7.4
2002-03	9.30	-5.1	7.01	-7.3	754	-2.2	7.9
2003-04	9.33	0.3	6.68	-4.7	716	-5.0	7.6
2004-05	9.08	-2.6	7.24	8.4	797	11.3	8.8
2005-06	8.23	-4.6	7.24	0.0	880	10.4	8.5
2006-07	8.47	-2.3	7.15	-1.2	844	-4.1	8.3
2007-08	7.77	-8.4	7.93	10.9	1021	21.0	8.9
2008-09	7.54	-3.0	7.25	-8.6	962	-5.8	9.3
2009-10	7.79	3.5	6.70	-7.6	860	-10.6	8.8
2010-11	7.38	-5.3	7.00	4.5	949	10.3	8.7
2011-12	6.25	-15.3	5.98	-14.6	957	0.8	10.2
2012-13	6.21	-0.6	5.28	-11.7	850	-11.2	10.1
2013-14	5.79	-6.8	5.54	4.9	957	12.6	10.1
2014-15	6.17	6.4	5.45	-1.6	884	-7.6	9.8
2015-16	6.08	-1.3	4.24	-22.2	697	-21.2	10.3
2016-17	5.62	-7.6	4.57	7.8	812	16.5	9.8
2017-18	5.02	-10.7	4.80	5.0	956	17.7	10.3
2018-19	4.09	-18.5	3.48	-27.5	849	-11.2	10.7
2019-20	4.82	17.8	4.77	37.1	989	16.5	11.1
2020-21	4.38	-9.1	4.81	0.8	1099	11.1	12.2
2021-22	3.80	-13.2	4.15	-13.7	1092	-0.6	11.5
2022-23	3.53	-7.1	3.81	-8.2	1079	-1.2	12.6
2023-24	4.08	15.6	4.74	24.4	1162	7.7	N.A.
2024-25 ^s	3.98	-2.5	4.88	3.0	1225	-5.4	N.A.
2025-26 [#]			2.15-6.99				

Note : 1. N.A.: Not available, 2. \$: Third Advance Estimates, 3. #: Projections are based on statistical models using past years data since 1950-51.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)

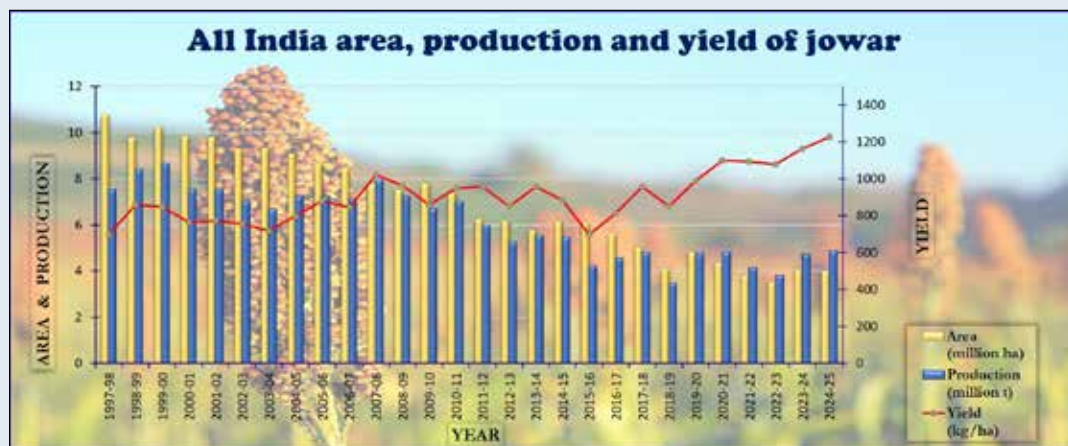


Table 5.12: State-wise area, production and yield of Jowar during 2022-23 and 2023-24 along with coverage under irrigation

(Area: million ha, Production: million t, Yield: kg/ha)

State	2023-24					2022-23					Area under irrigation (%) 2022-23*
	Area	% to all India	Production	% to all India	Yield	Area	% to all India	Production	% to all India	Yield	
Maharashtra	1.74	42.69	1.78	37.48	1020	1.48	41.81	1.31	34.40	888	9.54
Karnataka	0.81	19.82	0.94	19.90	1167	0.56	15.70	0.68	17.87	1228	20.86
Uttar Pradesh	0.29	7.09	0.46	9.76	1600	0.20	5.60	0.32	8.27	1593	0.09
Rajasthan	0.51	12.50	0.45	9.53	886	0.64	18.03	0.57	14.87	890	10.42
Andhra Pradesh	0.10	2.53	0.33	6.94	3191	0.07	1.98	0.28	7.44	4054	0.51
Tamil Nadu	0.35	8.70	0.29	6.06	809	0.36	10.19	0.29	7.68	813	55.43
Telangana	0.11	2.67	0.24	5.04	2190	0.07	1.92	0.12	3.13	1758	48.72
Madhya Pradesh	0.09	2.13	0.16	3.44	1872	0.10	2.74	0.17	4.44	1747	66.05
Gujarat	0.04	1.05	0.07	1.40	1550	0.03	0.89	0.05	1.21	1460	25.18
Haryana	0.02	0.47	0.01	0.21	527	0.03	0.76	0.01	0.37	526	56.46
Others	0.02	0.35	0.01	0.24	500	0.01	0.38	0.01	0.32	-1000	-
All India	4.08	100.00	4.74	100.00	1162	3.53	100.00	3.81	100.00	1079	12.61

Note : 1. States have been arranged in descending order of percentage share of production during 2023-24, 2. *: Provisional.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.
(In Press)

Production and productivity

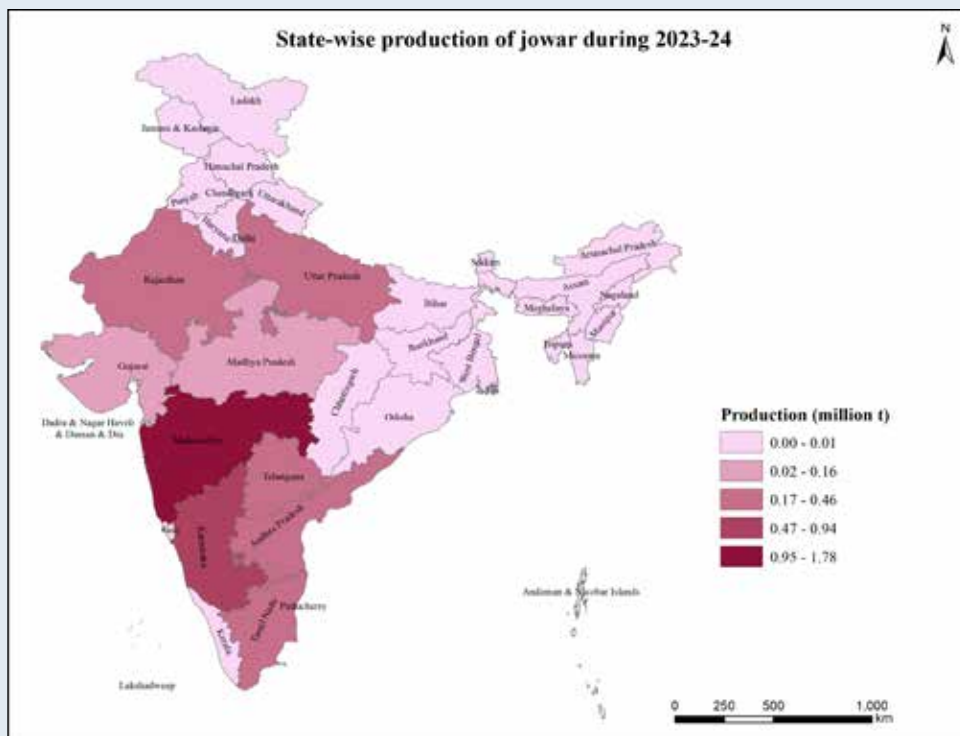
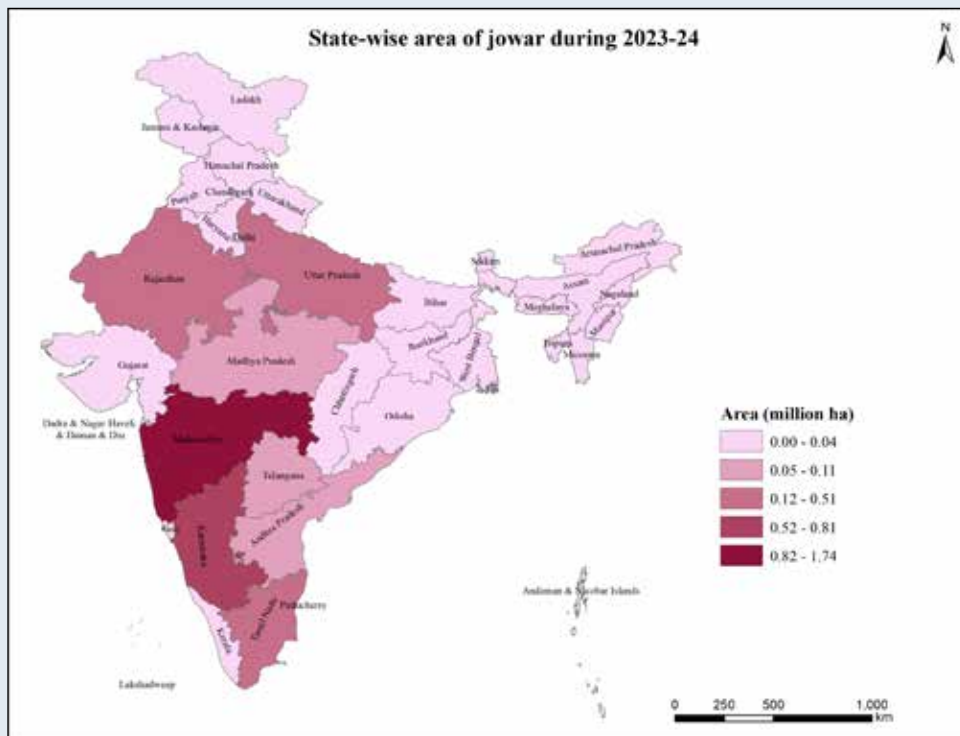
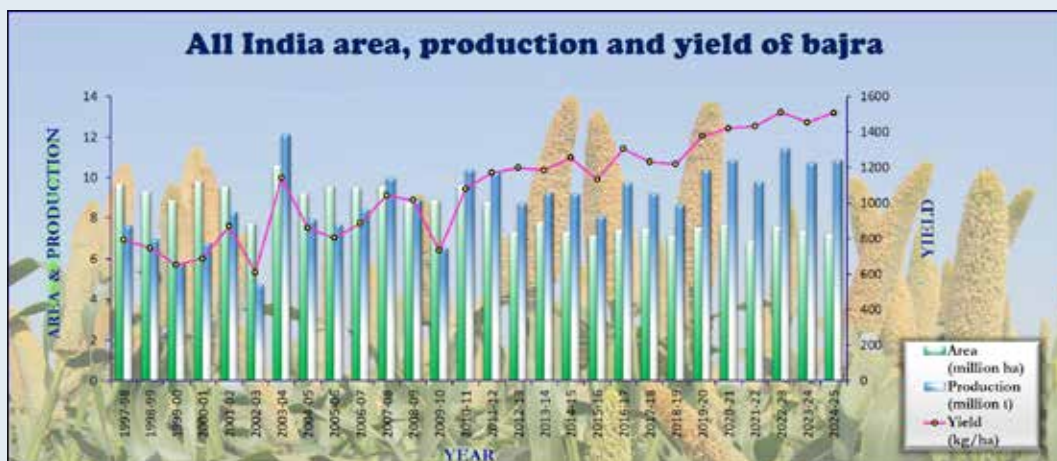


Table 5.13: All India area, production and yield of Bajra

Year	Area		Production		Yield		% Coverage under irrigation
	(million ha)	Growth rate (%)	(million t)	Growth rate (%)	(kg/ha)	Growth rate (%)	
1999-00	8.90	-4.3	5.78	-17.0	650	-13.1	8.1
2000-01	9.83	10.4	6.76	17.0	688	5.8	7.8
2001-02	9.53	-3.1	8.28	22.5	869	26.3	6.6
2002-03	7.74	-18.8	4.72	-43.0	610	-29.8	9.6
2003-04	10.61	37.1	12.11	156.6	1141	87.0	6.3
2004-05	9.23	-13.0	7.93	-34.5	859	-24.7	8.2
2005-06	9.58	3.8	7.68	-3.2	802	-6.6	9.1
2006-07	9.51	-0.7	8.42	9.6	886	10.5	9.6
2007-08	9.57	0.6	9.97	18.4	1042	17.6	10.3
2008-09	8.75	-8.6	8.89	-10.8	1015	-2.6	9.3
2009-10	8.90	1.7	6.51	-26.8	731	-28.0	9.2
2010-11	9.61	8.0	10.37	59.3	1079	47.6	10.2
2011-12	8.78	-8.6	10.28	-0.9	1171	8.5	11.1
2012-13	7.30	-16.9	8.74	-15.0	1198	2.3	12.4
2013-14	7.81	7.0	9.25	5.8	1184	-1.2	12.2
2014-15	7.32	-6.3	9.18	-0.8	1255	6.0	11.4
2015-16	7.13	-2.6	8.07	-12.1	1132	-9.8	13.2
2016-17	7.46	4.6	9.73	20.6	1305	15.3	12.6
2017-18	7.48	0.3	9.21	-5.3	1231	-5.7	12.3
2018-19	7.11	-4.9	8.66	-6.0	1219	-1.0	11.6
2019-20	7.54	6.0	10.36	19.6	1374	12.7	15.2
2020-21	7.65	1.5	10.86	4.8	1420	3.3	18.1
2021-22	6.84	-10.6	9.78	-9.9	1430	1.1	15.7
2022-23	7.57	10.7	11.43	16.9	1510	5.6	12.7
2023-24	7.37	-2.6	10.72	-6.2	1453	-3.8	N.A.
2024-25 ³	7.21	-2.2	10.86	1.3	1507	3.7	N.A.
2025-26 [#]			7.91-13.07				

Note : 1. N.A.: Not available, 2. \$: Third Advance Estimates, 3. #: Projections are based on statistical models using past years data since 1950-51.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)



**Table 5.14: State-wise area, production and yield of Bajra during 2022-23 and 2023-24
along with coverage under irrigation**

State	2023-24					2022-23					Area under irrigation (%) 2022-23*
	Area	% to all India	Production	% to all India	Yield	Area	% to all India	Production	% to all India	Yield	
Rajasthan	4.29	58.14	4.43	41.34	1033	4.57	60.36	5.11	44.66	1117	4.08
Uttar Pradesh	1.01	13.70	2.19	20.48	2173	0.95	12.51	2.05	17.89	2160	0.42
Gujarat	0.52	7.05	1.31	12.18	2511	0.50	6.63	1.29	11.32	2577	66.47
Haryana	0.53	7.16	1.16	10.83	2200	0.53	6.95	1.20	10.50	2280	58.75
Madhya Pradesh	0.39	5.26	1.00	9.36	2586	0.36	4.79	0.94	8.25	2599	22.08
Maharashtra	0.40	5.48	0.25	2.29	608	0.43	5.73	0.47	4.09	1079	5.04
Karnataka	0.13	1.74	0.16	1.52	1270	0.13	1.69	0.18	1.55	1386	20.38
Tamil Nadu	0.05	0.65	0.12	1.09	2450	0.05	0.60	0.11	0.99	2515	19.36
Andhra Pradesh	0.03	0.35	0.05	0.51	2097	0.03	0.33	0.05	0.44	2027	28.38
Telangana	0.01	0.07	0.02	0.16	3371	0.00	0.05	0.01	0.10	2952	88.07
Others	0.01	0.40	0.03	0.24	3000	0.02	0.36	0.02	0.21	1000	-
All India	7.37	100.00	10.72	100.00	1453	7.57	100.00	11.43	100.00	1510	12.72

Note : 1. States have been arranged in descending order of percentage share of production during 2023-24, 2. *: Provisional.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.
(In Press)

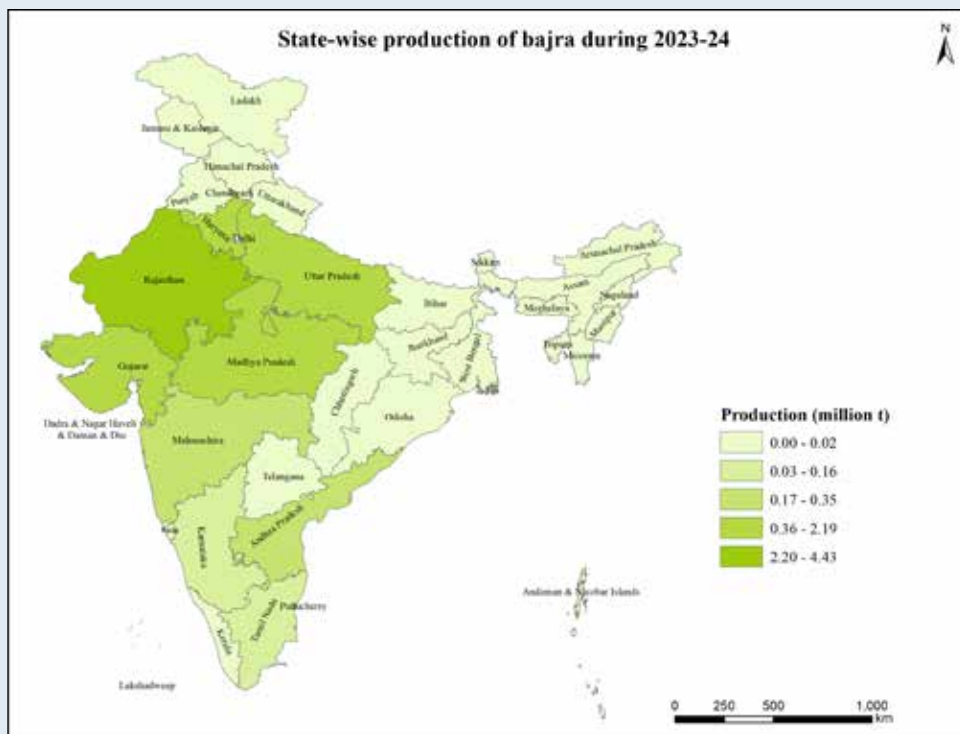
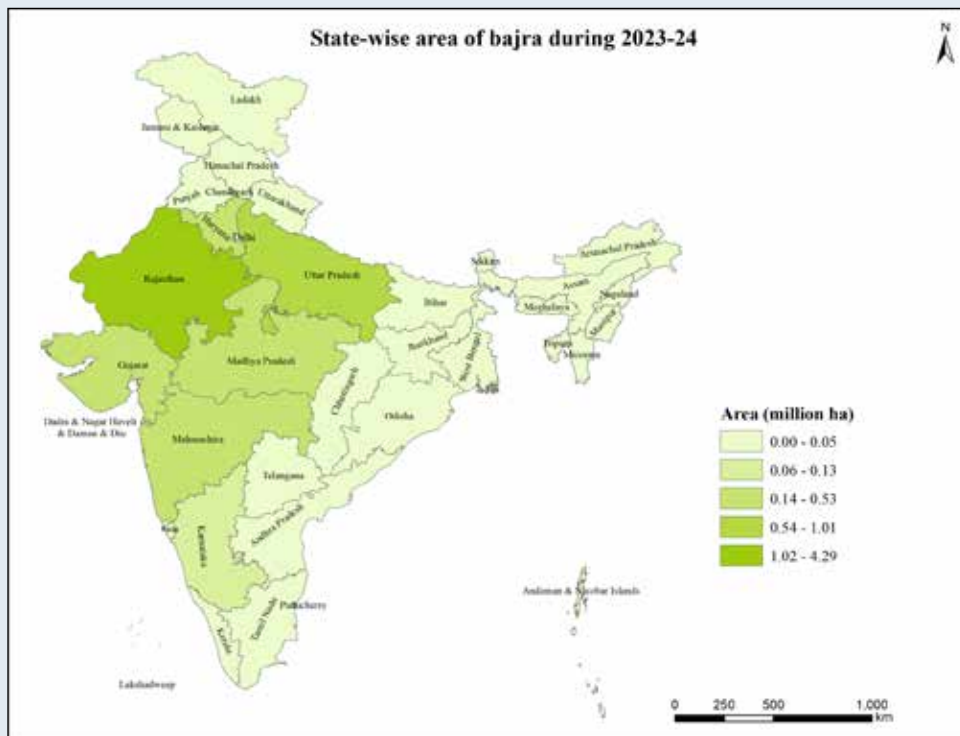


Table 5.15: All India area, production and yield of Maize

Year	Area		Production		Yield		% Coverage under irrigation
	(million ha)	Growth rate (%)	(million t)	Growth rate (%)	(kg/ha)	Growth rate (%)	
1999-00	6.42	3.5	11.51	3.2	1792	-0.3	22.3
2000-01	6.61	3.0	12.04	4.6	1822	1.7	21.8
2001-02	6.58	-0.5	13.16	9.3	2000	9.8	20.5
2002-03	6.63	0.8	11.15	-15.3	1681	-16.0	20.1
2003-04	7.34	10.7	14.98	34.3	2041	21.4	19.3
2004-05	7.43	1.2	14.17	-5.4	1907	-6.6	21.1
2005-06	7.59	2.2	14.71	3.8	1938	1.6	22.7
2006-07	7.90	4.1	15.10	2.7	1912	-1.3	22.3
2007-08	8.12	2.8	18.96	25.6	2335	22.1	24.3
2008-09	8.17	0.6	19.73	4.1	2414	3.4	25.1
2009-10	8.26	1.1	16.72	-15.3	2024	-16.2	24.2
2010-11	8.55	3.5	21.73	30.0	2542	25.6	24.4
2011-12	8.78	2.7	21.76	0.1	2478	-2.5	25.8
2012-13	8.67	-1.3	22.26	2.3	2566	3.6	25.9
2013-14	9.07	4.6	24.26	9.0	2676	4.3	27.2
2014-15	9.18	1.2	24.17	-0.4	2632	-1.6	27.4
2015-16	8.81	-4.0	22.57	-6.6	2563	-2.6	27.3
2016-17	9.63	9.3	25.90	14.8	2689	4.9	27.0
2017-18	9.38	-2.6	28.75	11.0	3065	14.0	29.0
2018-19	9.03	-3.7	27.72	-3.6	3070	0.2	27.0
2019-20	9.57	6.0	28.77	3.8	3006	-2.1	29.3
2020-21	9.89	3.3	31.65	10.0	3199	6.4	30.6
2021-22	9.96	0.7	33.73	6.6	3387	5.9	28.6
2022-23	10.74	7.8	38.09	12.9	3545	4.7	31.1
2023-24	11.24	4.7	37.66	-1.1	3351	-5.5	N.A.
2024-25 ^S	12.02	6.9	42.28	12.3	3518	5.0	N.A.
2025-26 [#]			38.92-44.85				

Note : 1. N.A.: Not available, 2. \$: Third Advance Estimates, 3. #: Projections are based on statistical models using past years data since 1950-51.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)



Table 5.16: State-wise area, production and yield of Maize during 2022-23 and 2023-24 along with coverage under irrigation

(Area: million ha, Production: million t, Yield: kg/ha)											
State	2023-24					2022-23					Area under irrigation (%) 2022-23*
	Area	% to all India	Production	% to all India	Yield	Area	% to all India	Production	% to all India	Yield	
Bihar	0.96	8.50	5.71	15.16	5975	0.75	6.96	4.38	11.50	5854	79.35
Karnataka	1.97	17.54	5.63	14.95	2855	1.91	17.80	5.91	15.52	3092	38.26
Madhya Pradesh	1.54	13.73	4.34	11.52	2812	1.45	13.48	4.62	12.13	3191	7.58
Tamil Nadu	0.45	4.05	2.84	7.54	6239	0.43	3.97	2.99	7.85	7007	34.23
Telangana	0.49	4.36	2.78	7.38	5671	0.52	4.79	2.86	7.51	5557	64.66
Uttar Pradesh	1.10	9.82	2.67	7.08	2417	0.89	8.29	1.95	5.13	2191	37.02
West Bengal	0.39	3.49	2.60	6.91	6633	0.36	3.37	2.28	5.98	6285	85.74
Maharashtra	1.33	11.80	2.45	6.50	1847	1.35	12.52	3.92	10.29	2913	12.72
Rajasthan	0.88	7.83	2.17	5.76	2464	0.96	8.91	2.18	5.72	2277	1.76
Andhra Pradesh	0.29	2.60	1.82	4.83	6225	0.39	3.59	2.76	7.23	7138	73.81
Others	1.84	16.28	4.65	12.37	2527	1.73	16.32	4.24	11.14	2451	-
All India	11.24	100.00	37.66	100.00	3351	10.74	100.00	38.09	100.00	3545	31.06

Note : 1. States have been arranged in descending order of percentage share of production during 2023-24, 2. *: Provisional.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.
(In Press)

Production and productivity

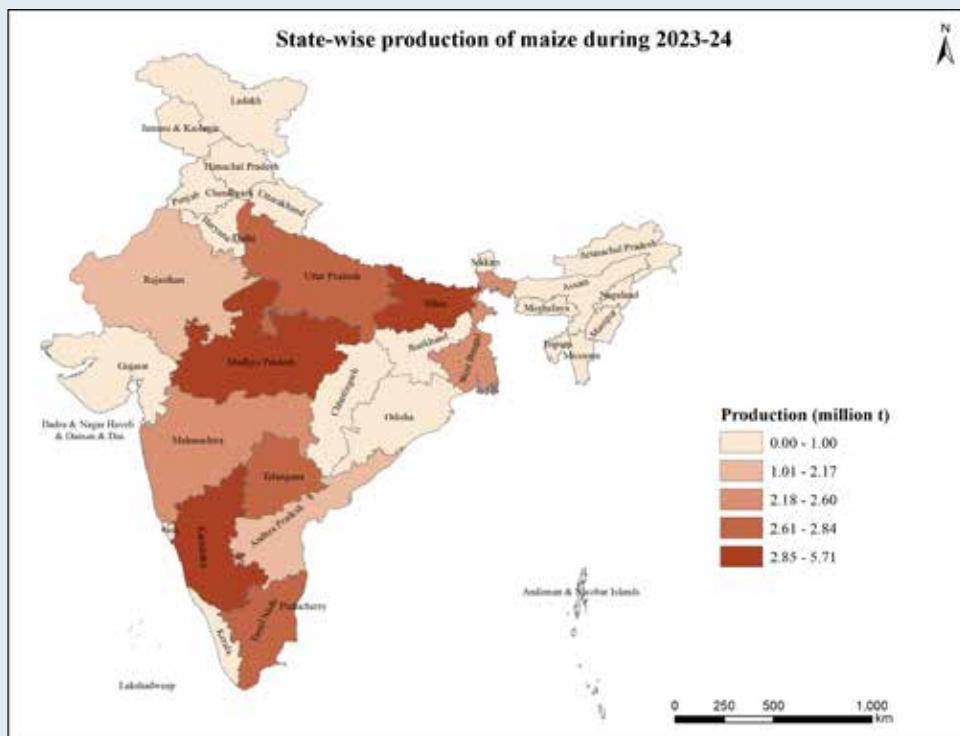
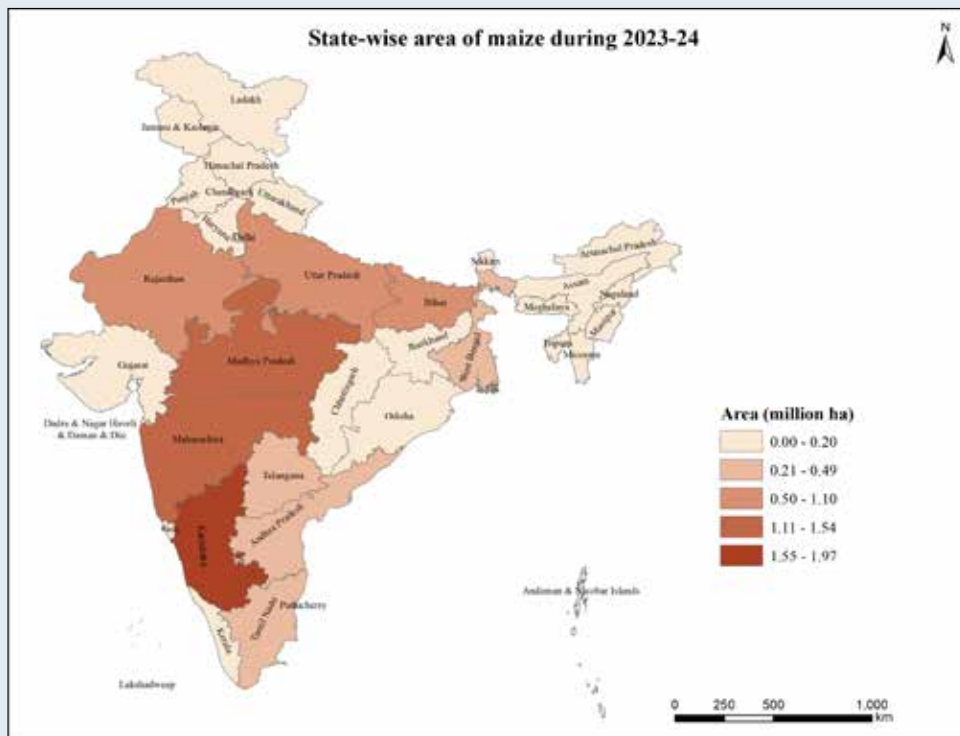


Table 5.17: All India area, production and yield of total pulses

Year	Area		Production		Yield		% Coverage under irrigation
	(million ha)	Growth rate (%)	(million t)	Growth rate (%)	(kg/ha)	Growth rate (%)	
1999-00	21.12	- 10.1	13.42	- 10.0	635	0.2	13.0
2000-01	20.35	- 3.6	11.08	- 17.4	544	- 14.3	12.6
2001-02	22.01	8.2	13.37	20.7	607	11.6	13.3
2002-03	20.50	- 6.9	11.13	- 16.8	543	- 10.5	14.0
2003-04	23.46	14.4	14.91	34.0	635	16.9	13.7
2004-05	22.76	- 3.0	13.13	- 11.9	577	- 9.1	14.0
2005-06	22.39	- 1.6	13.39	2.0	598	3.6	14.6
2006-07	23.19	3.6	14.20	6.0	612	2.3	15.5
2007-08	23.63	1.9	14.76	3.9	625	2.1	15.9
2008-09	22.09	- 6.5	14.57	-1.3	659	5.4	16.5
2009-10	23.28	5.4	14.66	0.6	630	-4.4	16.2
2010-11	26.40	13.4	18.24	24.4	691	9.7	14.9
2011-12	24.46	-7.3	17.09	-6.3	699	1.2	16.4
2012-13	23.26	-4.9	18.34	7.3	789	12.9	18.9
2013-14	25.21	8.5	19.25	5.0	764	-3.2	19.9
2014-15	23.55	-6.6	17.15	-10.9	728	-4.7	20.1
2015-16	24.91	5.8	16.32	-4.8	655	-10.0	19.5
2016-17	29.45	18.2	23.13	41.7	786	20.0	19.1
2017-18	29.81	1.2	25.42	9.9	853	8.5	23.3
2018-19	29.16	-2.2	22.08	-13.1	757	-11.3	23.6
2019-20	27.99	-4.0	23.03	4.3	823	8.7	23.1
2020-21	28.78	2.8	25.46	10.6	885	7.5	27.7
2021-22	30.73	6.8	27.30	7.2	888	0.3	25.0
2022-23	28.90	-6.0	26.06	-4.5	902	1.6	24.1
2023-24	27.51	-4.8	24.25	-6.9	881	-2.3	N.A.
2024-25 ^S	27.62	0.4	25.24	4.1	914	3.7	N.A.
2025-26 [#]			22.29-28.96				

Note : 1. N.A.: Not available, 2. \$: Third Advance Estimates, 3. #: Projections are based on statistical models using past years data since 1950-51.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)

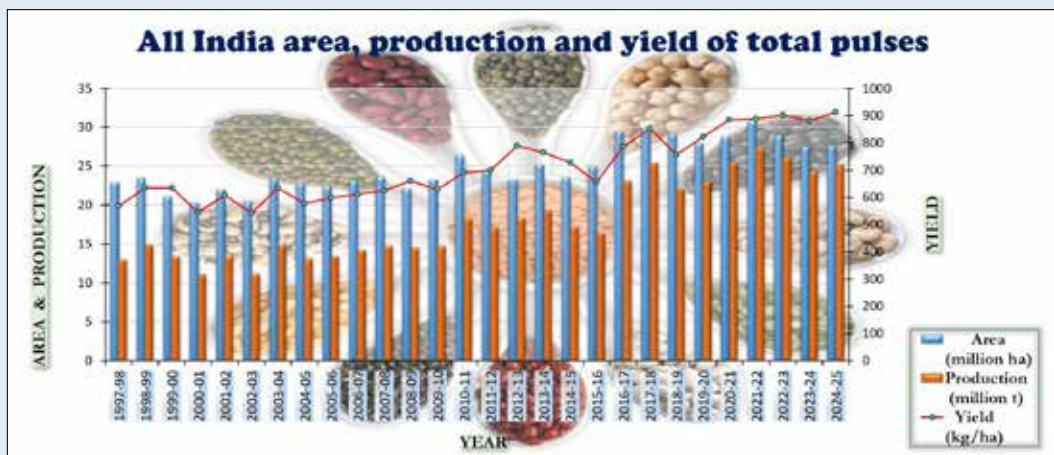


Table 5.18: State-wise area, production and yield of total pulses during 2022-23 and 2023-24 along with coverage under irrigation

(Area: million ha, Production: million t, Yield: kg/ha)										
State	2023-24				2022-23				Area under irrigation (%) 2022-23*	
	Area	% to all India	Production	% to all India	Yield	Area	% to all India	Production	% to all India	Yield
Madhya Pradesh	5.13	18.66	5.97	24.64	1165	5.62	19.45	6.27	24.05	1115
Maharashtra	4.43	16.12	4.01	16.53	904	4.99	17.28	4.64	17.79	928
Rajasthan	5.47	19.88	3.33	13.76	610	5.50	19.02	3.62	13.88	658
Uttar Pradesh	3.04	11.07	3.11	12.85	1024	2.76	9.54	2.84	10.91	1031
Karnataka	2.61	9.49	1.67	6.88	640	2.83	9.78	1.76	6.74	622
Gujarat	1.13	4.09	1.55	6.38	1375	1.31	4.53	1.79	6.88	1368
Andhra Pradesh	0.94	3.42	0.82	3.39	874	1.03	3.57	1.08	4.13	1042
Jharkhand	0.71	2.58	0.76	3.15	1078	0.73	2.52	0.76	2.92	1046
Odisha	0.97	3.51	0.55	2.26	566	0.86	2.99	0.50	1.90	573
West Bengal	0.44	1.61	0.43	1.79	979	0.46	1.58	0.45	1.73	986
Others	2.62	9.57	2.04	8.37	779	2.81	9.74	2.35	9.07	836
All India	27.49	100.00	24.24	100.00	882	28.90	100.00	26.06	100.00	902
										24.06

Note : 1. States have been arranged in descending order of percentage share of production during 2023-24, 2. *: Provisional.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)

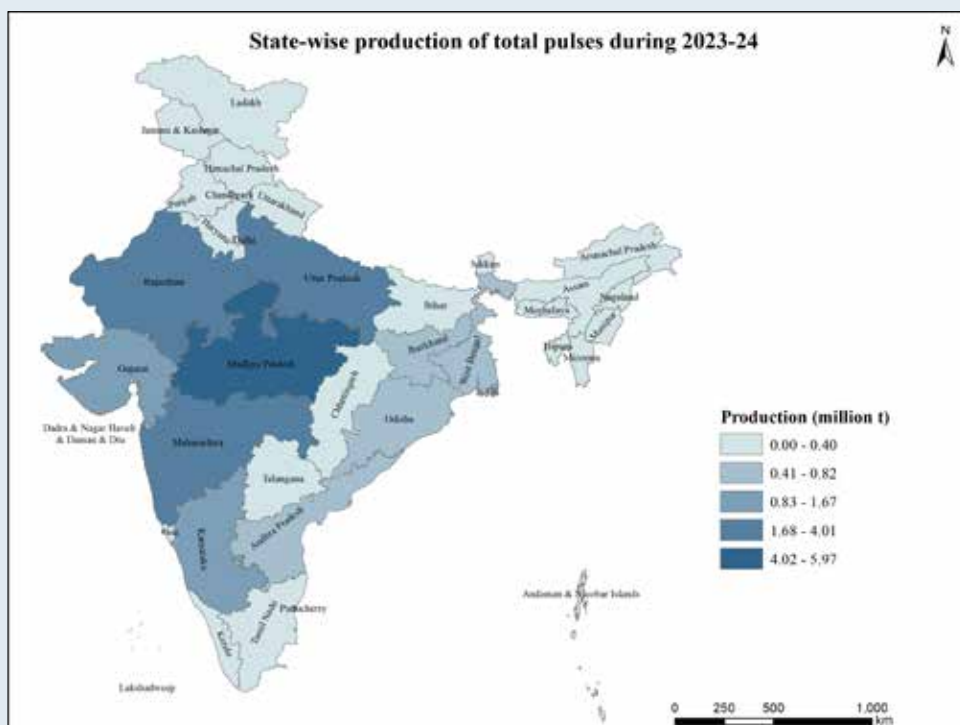
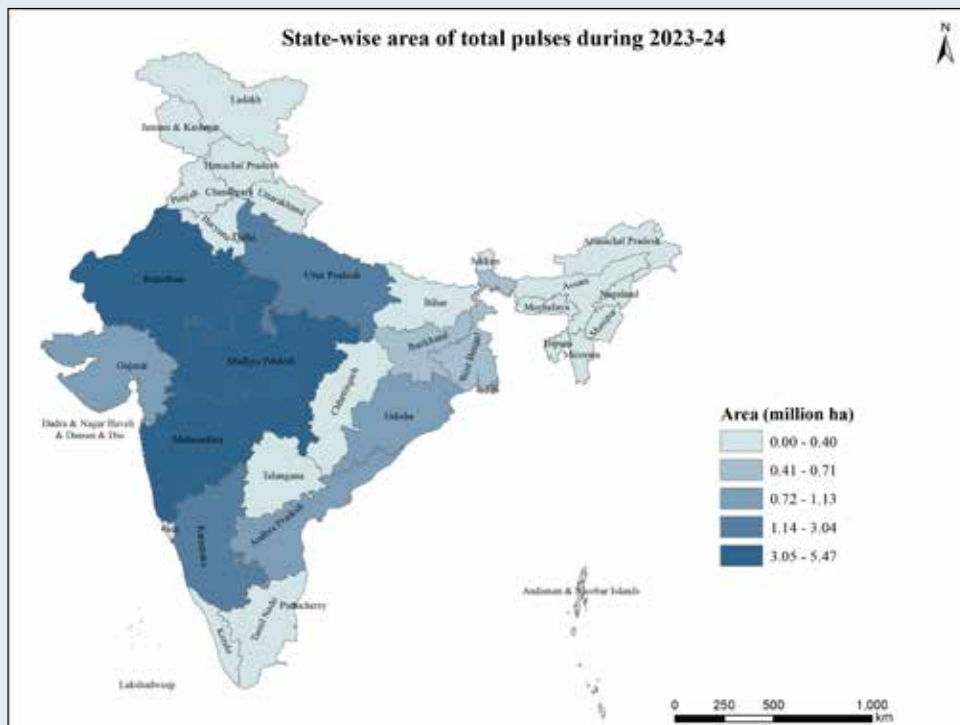


Table 5.19: All India area, production and yield of nine oilseeds

Year	Area		Production		Yield		% Coverage under irrigation
	(million ha)	Growth rate (%)	(million t)	Growth rate (%)	(kg/ha)	Growth rate (%)	
1999-00	24.28	- 7.4	20.72	- 16.3	853	- 9.6	25.2
2000-01	22.77	- 6.2	18.44	- 11.0	810	- 5.0	23.0
2001-02	22.64	- 0.6	20.66	12.0	913	12.7	24.3
2002-03	21.49	- 5.1	14.84	- 28.2	691	- 24.3	22.7
2003-04	23.66	10.1	25.19	69.7	1064	54.0	24.5
2004-05	27.52	16.3	24.35	- 3.3	885	- 16.8	27.0
2005-06	27.86	1.2	27.98	14.9	1004	13.4	28.4
2006-07	26.51	-4.8	24.29	-13.2	916	-8.8	29.0
2007-08	26.69	0.7	29.76	22.5	1115	21.7	27.2
2008-09	27.56	3.3	27.72	-6.9	1006	-9.8	27.1
2009-10	25.96	-5.8	24.88	-10.2	959	-4.8	25.9
2010-11	27.22	4.9	32.48	30.5	1193	24.5	24.9
2011-12	26.31	-3.3	29.80	-8.3	1135	-4.9	27.5
2012-13	26.48	0.6	30.94	3.8	1168	3.1	28.2
2013-14	28.05	5.9	32.75	5.9	1168	0.0	27.3
2014-15	25.59	-8.8	27.51	-16.0	1075	-8.0	27.4
2015-16	26.09	2.0	25.25	-8.2	968	-10.0	28.5
2016-17	26.18	0.3	31.28	23.9	1195	23.5	27.8
2017-18	24.51	-6.4	31.46	0.6	1284	7.4	30.2
2018-19	24.79	1.1	31.52	0.2	1271	-1.0	31.4
2019-20	27.14	9.5	33.22	5.4	1224	-3.7	31.9
2020-21	28.83	6.2	35.95	8.2	1247	1.9	N.A.
2021-22	28.95	0.4	37.96	5.6	1312	5.2	37.5
2022-23	30.24	4.5	41.36	9.0	1368	4.3	38.7
2023-24	30.19	-0.2	39.67	-4.1	1314	-3.9	N.A.
2024-25 ^S	30.27	0.3	42.61	7.4	1408	7.2	N.A.
2025-26 [#]			37.30-46.68				

Note : 1. N.A.: Not available, 2. \$: Third Advance Estimates, 3. #: Projections are based on statistical models using past years data since 1950-51, 4. Nine oilseeds include groundnut, castorseed, sesamum, rapeseed & mustard, linseed, soybean, sunflower, nigerseed and safflower.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)

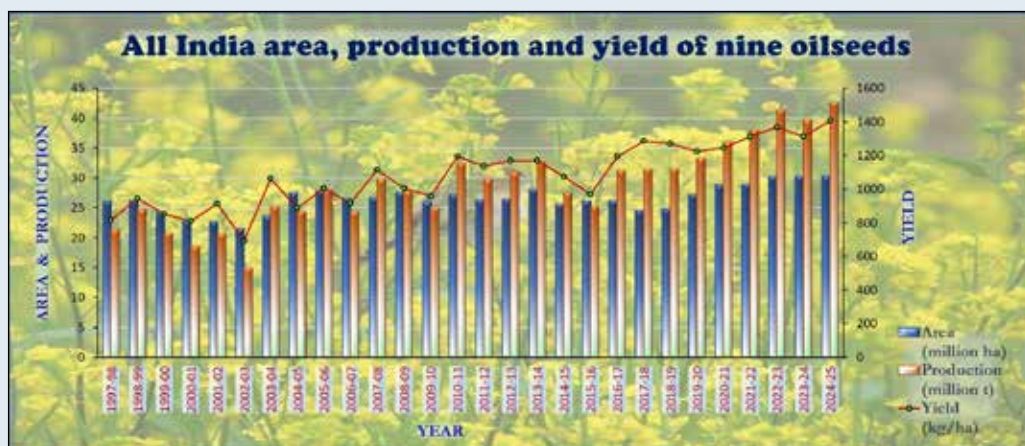


Table 5.20: State-wise area, production and yield of nine oilseeds during 2022-23 and 2023-24 along with coverage under irrigation

(Area: million ha, Production: million t, Yield: kg/ha)

State	2023-24					2022-23					Area under irrigation (%) 2022-23*
	Area	% to all India	Production	% to all India	Yield	Area	% to all India	Production	% to all India	Yield	
Rajasthan	6.23	20.63	9.37	23.61	1503	6.43	21.25	9.42	22.78	1466	70.55
Madhya Pradesh	8.17	27.07	8.58	21.62	1050	7.75	25.62	8.29	20.05	1070	13.29
Gujarat	3.14	10.39	7.28	18.35	2319	3.21	10.60	7.26	17.55	2263	54.86
Maharashtra	5.45	18.05	5.59	14.10	1027	5.25	17.37	6.94	16.78	1321	1.40
Uttar Pradesh	1.92	6.36	2.23	5.63	1164	1.61	5.34	1.87	4.52	1158	58.51
Haryana	0.76	2.52	1.38	3.48	1811	0.79	2.60	1.33	3.23	1694	87.22
West Bengal	1.00	3.32	1.33	3.36	1330	1.00	3.31	1.28	3.08	1272	88.21
Tamil Nadu	0.40	1.33	0.92	2.31	2287	0.41	1.37	0.95	2.30	2288	69.24
Karnataka	0.88	2.91	0.76	1.90	858	1.26	4.16	1.43	3.46	1138	36.93
Telangana	0.30	1.01	0.53	1.33	1735	0.34	1.13	0.62	1.49	1806	51.49
Others	1.94	6.41	1.70	4.31	876	2.19	7.25	1.97	4.76	900	-
All India	30.19	100.00	39.67	100.00	1314	30.24	100.00	41.36	100.00	1368	38.72

Note : States have been arranged in descending order of percentage share of production during 2023-24, 2. *: Provisional.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India.
(In Press)

Production and productivity

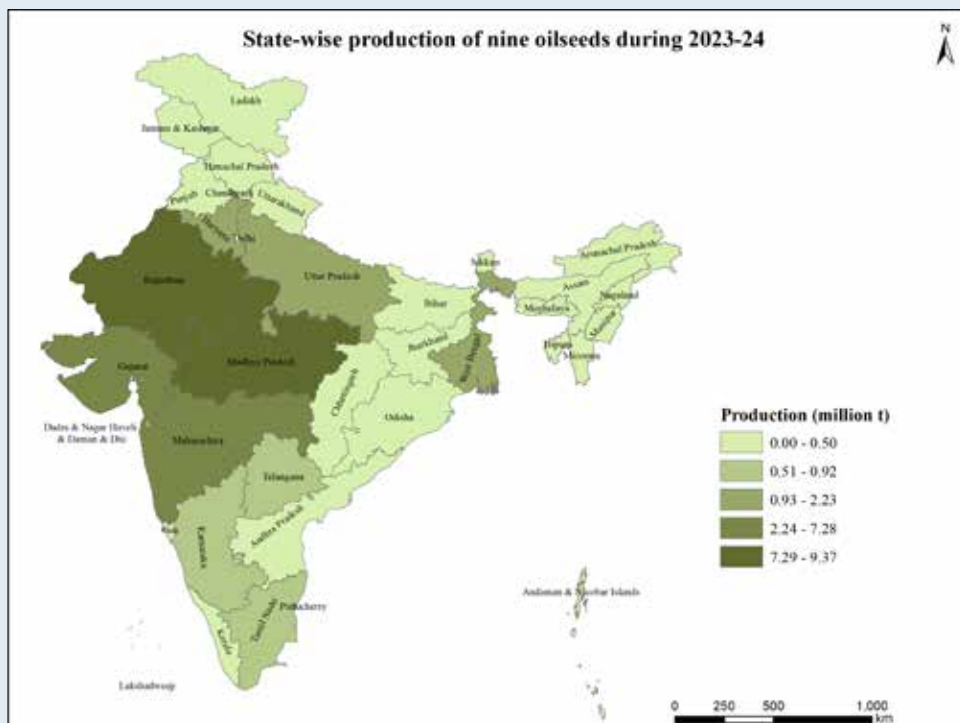
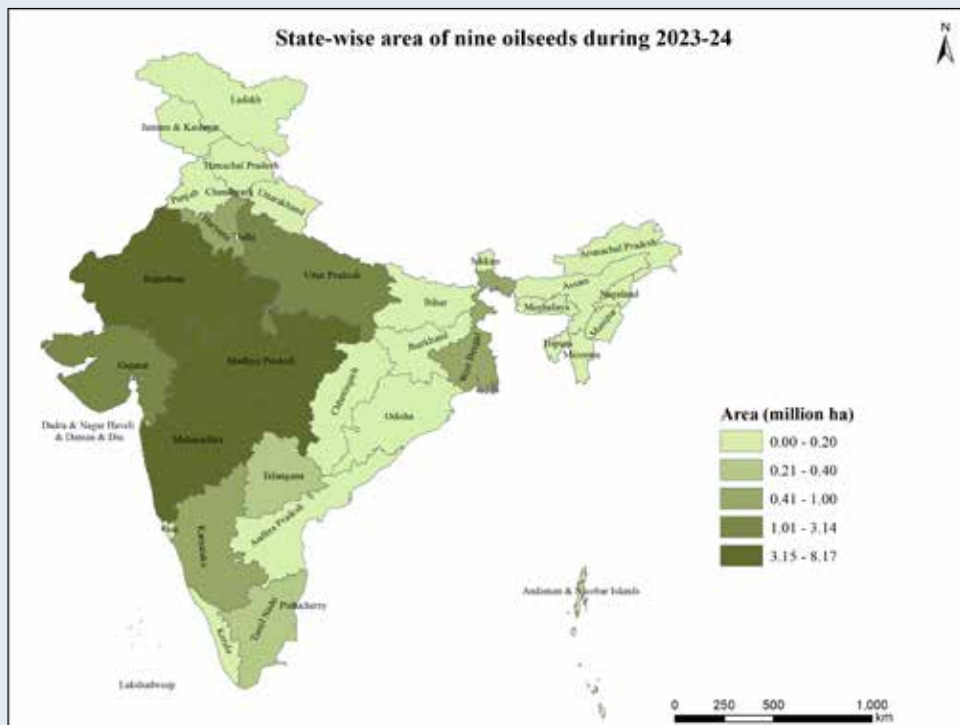


Table 5.21: Production of oilseeds/oils and net domestic availability of edible oils

(in lakh t)

Vegetable Oils	2019-20		2020-21		2021-22		2022-23		2023-24		2024-25*	
	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils	Oilseeds	Oils
A. Primary source												
Groundnut	91.24	28.28	102.44	23.23	101.35	22.99	102.97	23.35	101.80	23.09	118.96	26.98
Rapeseed & Mustard	112.26	17.97	102.10	31.67	119.63	37.11	126.43	39.22	132.59	41.13	126.06	39.10
Soybean	99.52	22.90	126.10	20.20	129.87	22.81	149.85	24.01	130.62	20.93	151.80	24.32
Sunflower	2.13	0.72	2.28	0.76	2.50	0.83	3.63	1.21	1.73	0.58	1.96	0.65
Sesamum	6.58	2.34	8.17	2.55	7.89	2.46	8.02	2.50	8.47	2.64	8.29	2.59
Niger seed	0.41	0.12	0.42	0.12	0.33	0.09	0.29	0.08	0.27	0.08	0.15	0.04
Safflower	0.44	0.09	0.36	0.10	0.61	0.18	0.90	0.26	0.50	0.14	0.43	0.12
Castor	18.42	6.50	16.47	5.79	16.19	5.69	19.80	6.96	19.59	6.89	17.30	6.08
Linseed	1.21	0.28	1.11	0.28	1.26	0.32	1.67	0.42	1.13	0.29	1.13	0.29
Sub-total	332.19	79.20	359.45	84.70	379.63	90.48	413.55	98.01	396.69	95.77	426.09	100.17
B. Secondary source												
Coconut		5.95		5.95		5.56		5.34		5.49		5.49
Palm oil		2.77		2.77		3.58		3.90		3.90		3.90
Cottonseed		12.71		12.71		10.78		11.66		11.27		10.20
Ricebran		10.68		10.68		10.9		10.12		10.12		10.22
Solvent extracted oils		3.50		3.50		3.50		3.50		3.50		3.50
Tree & forest origin		1.50		1.50		1.50		1.50		1.50		1.50
Sub-total		37.11		36.61		35.82		36.02		35.78		34.81
Total (A+B)		116.31		121.31		126.30		134.03		131.55		134.98
C. Less: Exports & industrial use		9.76		9.80		9.80		9.80		9.80		9.80
D. Net domestic availability of edible oils		106.55		111.51		116.50		124.23		121.75		125.18
E. Import of edible oils⁵		134.16		134.52		141.94		165.00		156.55		59.39
F. Total availability/consumption of edible oils		240.71		246.03		258.44		289.23		278.30		

Note : 1. *: Third advance estimates, 2. \$: As per data from Directorate General of Commercial Intelligence and Statistics, Department of Commerce.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)

Table 5.22: All India area, production and yield of commercial crops

(Area: million ha, Production: million t, Yield: kg/ha)

Crops		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25*
Groundnut	Area	4.73	4.83	6.01	5.70	4.96	4.71	5.75
	Production	6.73	9.95	10.24	10.13	10.30	10.18	11.90
	Yield	1422	2063	1703	1777	2075	2163	2067
Rapeseed & Mustard	Area	6.12	6.86	6.70	7.99	8.85	9.18	8.63
	Production	9.26	9.12	10.21	11.96	12.64	13.26	12.61
	Yield	1511	1331	1524	1497	1428	1444	1461
Sunflower	Area	0.26	0.23	0.23	0.27	0.36	0.15	0.17
	Production	0.22	0.21	0.23	0.25	0.36	0.17	0.20
	Yield	826	931	1011	923	996	1144	1129
Soybean	Area	11.13	12.19	12.92	12.15	13.08	13.25	12.96
	Production	13.27	11.23	12.61	12.99	14.98	13.06	15.18
	Yield	1192	921	976	1069	1145	985	1172
Nine Oilseeds	Area	24.79	27.14	28.83	28.95	30.24	30.19	30.27
	Production	31.52	33.22	35.95	37.96	41.36	39.67	42.61
	Yield	1271	1224	1247	1312	1368	1314	1408
Cotton@	Area	12.61	13.48	13.29	12.37	12.93	12.69	11.23
	Production	28.04	36.07	35.25	31.12	33.66	32.52	30.69
	Yield	378	455	451	428	443	436	465
Jute & Mesta**	Area	0.70	0.67	0.66	0.67	0.66	0.64	0.57
	Production	9.82	9.88	9.35	10.15	9.39	9.69	8.75
	Yield	2508	2641	2542	2738	2570	2737	2759
Sugarcane	Area	5.06	4.60	4.85	5.18	5.89	5.74	5.36
	Production	405.42	370.50	405.40	439.42	490.53	453.16	450.12
	Yield	80105	80497	83566	84906	83349	78953	84006
Potato	Area	2.17	2.05	2.20	2.23	2.33	2.32	2.32 [#]
	Production	50.19	48.56	56.17	56.18	60.14	57.05	59.57 [#]
	Yield	23129	23688	25498	25239	25788	24568	25681 [#]
Onion	Area	1.22	1.43	1.62	1.94	1.74	1.54	1.77 [#]
	Production	22.82	26.09	26.64	31.69	30.21	24.27	28.88 [#]
	Yield	18705	18245	16402	16324	17361	15751	16276 [#]
Coconut	Area	2.15	2.17	2.20	2.15	2.28	2.17	2.20 [#]
	Production	14.68	14.00	14.30	13.32	14.16	14.71	15.06 [#]
	Yield	6826	6445	6503	6183	6219	6793	6857 [#]
Tobacco	Area	0.41	0.40	0.36	0.39	0.38	0.41	N.A.
	Production	0.66	0.80	0.76	0.82	0.77	0.87	N.A.
	Yield	1610	1982	2115	2118	2029	2109	N.A.

Note : 1. #: First Advance Estimates, 2. *: Third Advance Estimates, 3. @: Production in million bales of 170 kg each, 4. **: Production in million bales 180 kg each, 5. N.A.: Not available.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In Press).

Table 5.23: Three largest producing states of important crops during 2023-24

(Production: million t)

Crops	States	Production	% Share of production to all India	Cumulative % share of production
Foodgrains				
Rice	Telangana	16.87	12.24	12.24
	Uttar Pradesh	15.99	11.60	23.84
	West Bengal	15.69	11.38	35.22
Wheat	Uttar Pradesh	35.34	31.19	31.19
	Madhya Pradesh	22.58	19.93	51.12
	Punjab	17.74	15.66	66.78
Maize	Bihar	5.71	15.16	15.16
	Karnataka	5.63	14.95	30.11
	Madhya Pradesh	4.34	11.52	41.63
Total Nutri Cereals	Rajasthan	8.09	14.21	14.21
	Karnataka	7.79	13.68	27.89
	Uttar Pradesh	5.84	10.26	38.15
Total Pulses	Madhya Pradesh	5.97	24.64	24.64
	Maharashtra	4.01	16.53	41.17
	Rajasthan	3.33	13.76	54.93
Total Foodgrains	Uttar Pradesh	60.29	18.14	18.14
	Madhya Pradesh	41.47	12.48	30.62
	Punjab	32.54	9.79	40.41
Oilseeds				
Groundnut	Gujarat	4.64	45.62	45.62
	Rajasthan	2.03	19.91	65.53
	Madhya Pradesh	0.98	9.65	75.18
Rapeseed & Mustard	Rajasthan	5.76	43.43	43.43
	Madhya Pradesh	1.96	14.80	58.23
	Uttar Pradesh	1.92	14.45	72.68
Soybean	Maharashtra	5.47	41.89	41.89
	Madhya Pradesh	5.26	40.25	83.14
	Rajasthan	1.17	8.96	92.10
Sunflower	Karnataka	0.07	41.97	41.97
	Haryana	0.03	16.61	58.58
	Odisha	0.02	13.26	71.84
Total Oilseeds	Rajasthan	9.37	23.61	23.61
	Madhya Pradesh	8.58	21.62	45.23
	Gujarat	7.28	18.35	63.58
Other Cash Crops				
Sugarcane	Uttar Pradesh	215.81	47.62	47.62
	Maharashtra	112.09	24.73	72.35

Production and productivity

Crops	States	Production	% Share of production to all India	Cumulative % share of production
Cotton @	Karnataka	41.81	9.23	81.58
	Gujarat	9.06	27.85	27.85
	Maharashtra	8.05	24.74	52.59
	Telangana	5.08	15.62	68.21
Jute & Mesta ^S	West Bengal	7.87	81.15	81.15
	Bihar	0.99	10.17	91.32
	Assam	0.67	6.95	98.27

Note : 1. @: Production in million bales of 170 kg each, 2. ^S: Production in million bales of 180 kg each.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In Press).

Table 5.24: Area, production and yield of principal condiments and spices

(Area: '000 ha; Production: '000 t, Yield: kg/ha)

Crops		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25*
Pepper	Area	245.00	259.00	309.00	284.00	299.00	313.00	255.00
	Production	137.00	104.00	141.00	95.00	117.00	126.00	78.00
	Yield	559.18	401.54	456.31	334.51	391.30	402.56	305.88
Cardamom	Area	81.00	85.00	85.00	86.00	87.00	83.00	83.00
	Production	23.00	21.00	34.00	37.00	36.00	35.00	31.00
	Yield	283.95	247.06	400.00	430.23	413.79	421.69	373.49
Coriander	Area	470.00	529.00	656.00	553.00	711.00	604.00	627.00
	Production	592.00	701.00	891.00	735.00	974.00	837.00	869.00
	Yield	1259.57	1325.14	1358.23	1329.11	1369.90	1385.76	1385.96
Chillies (Dried)	Area	780.00	626.00	702.00	882.00	852.00	966.00	922.00
	Production	1743.00	1835.00	2049.00	1836.00	2782.00	2910.00	2693.00
	Yield	2234.62	2931.31	2918.80	2081.63	3265.26	3012.42	2920.82
Cumin	Area	1027.00	1276.00	1087.00	869.00	938.00	1302.00	1094.00
	Production	699.00	912.00	795.00	556.00	577.00	895.00	724.00
	Yield	680.62	714.73	731.37	639.82	615.14	687.40	661.79
Turmeric@	Area	253.00	296.00	293.00	333.00	321.00	293.00	291.00
	Production	961.00	1153.00	1124.00	1222.00	1170.00	1063.00	1116.00
	Yield	3798.42	3895.27	3836.18	3669.67	3644.86	3627.99	3835.05
Garlic	Area	358.00	352.00	392.00	431.00	387.00	389.00	405.00
	Production	2910.00	2925.00	3190.00	3523.00	3239.00	3316.00	3422.00
	Yield	8128.49	8309.66	8137.76	8174.01	8369.51	8524.42	8449.38
Ginger[#]	Area	164.00	178.00	205.00	210.00	191.00	194.00	193.00
	Production	1788.00	1868.00	2225.00	2503.00	2201.00	2333.00	2246.00
	Yield	10902.44	10494.38	10853.66	11919.05	11523.56	12025.77	11637.31

Note : 1. *: First Advance Estimate, 2. @: Data in terms of Dry Turmeric, 3. #: Data in terms of Fresh Ginger.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In Press).

Table 5.25: Per capita net availability of foodgrains (per day) in India

(g per day)

Year	Rice	Wheat	Other Cereals	Cereals	Pulses	Foodgrains
1951	158.9	65.7	109.6	334.2	60.7	394.8
1961	201.1	79.1	119.5	399.7	69.0	468.7
1971	192.6	103.6	121.4	417.6	51.2	468.8
1981	197.8	129.6	89.9	417.3	37.5	454.8
1991	221.7	166.8	80.0	468.5	41.6	510.1
2001	190.5	135.8	56.2	386.2	30.0	416.2
2003	181.4	180.4	46.7	408.5	29.1	437.6
2004	195.4	162.2	69.3	426.9	35.8	462.7
2005	177.3	154.3	59.4	390.9	31.5	422.4
2006	198.0	154.3	60.5	412.8	32.5	445.3
2007	194.0	157.8	55.5	407.4	35.5	442.8
2008	175.4	145.1	54.1	394.2	41.8	436.0
2009	188.4	154.7	63.9	407.0	37.0	444.0
2010	182.0	168.2	51.4	401.7	35.4	437.1
2011	181.6	163.6	65.5	410.7	43.0	468.2
2012	190.2	158.4	60.0	408.6	41.7	463.8
2013	197.4	183.1	52.7	433.2	43.3	491.9
2014	198.0	183.0	61.8	442.9	46.4	489.3
2015	186.0	168.0	77.7	421.4	43.8	465.1
2016	184.1	199.7	71.5	443.8	43.0	486.8
2017	183.0	182.7	80.5	434.0	54.8	488.8
2018	189.6	168.5	83.8	441.9	51.2	493.4
2019	186.3	178.1	75.1	439.7	42.5	482.2
2020	197.3	175.9	84.7	458.1	43.8	501.6
2021	200.8	183.6	82.7	467.1	44.7	511.8
2022	190.7	188.5	81.6	460.8	54.2	515.1
2023(P)	226.6	203.0	92.3	521.6	47.1	568.8

Note : 1. Net availability of foodgrains is estimated to be Gross Production (-) seed, feed & wastage (-) export (+) import (+/-) change in stocks, 2. The net availability of foodgrains divided by the population estimates for a particular year indicates per capita availability of foodgrains in terms of kg/year. Net availability, thus, worked out further divided by the number of days in a year i.e. 365 days, which is taken as net availability of foodgrains in terms of gram/day, 3. Figures in respect of per capita net availability given above are not strictly representative of actual level of consumption in the country especially as they do not take into account any change in stocks in possession of traders, producers and consumers, 4. Cereals include rice, wheat and other cereals, 5. Pulses include all Kharif and Rabi pulses, 6. Foodgrains includes rice, wheat, other cereals and all pulses, 7. The per capita net availability of foodgrains is calculated on Financial Year basis from 2022 onwards and is not comparable with the old series which was based on calendar year.

Source: *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In Press).

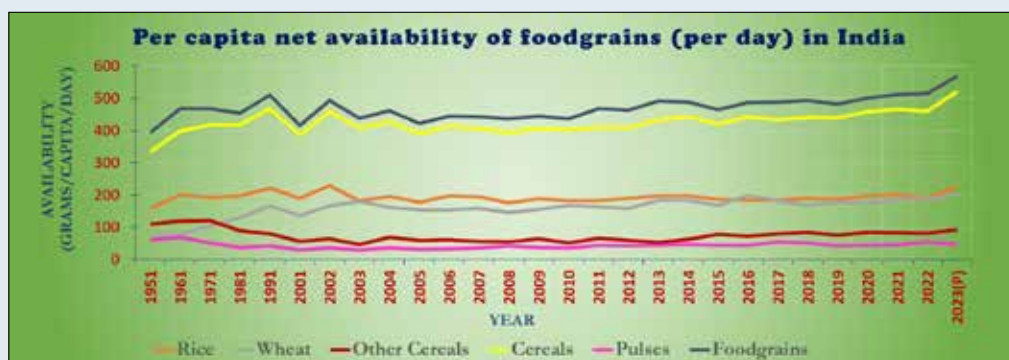


Table 5.26: All India Projected Cost of Production (A₂+FL) of major crops

(₹/quintal)

Commodity	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Kharif Crops						
Paddy	1208	1245	1293	1360	1455	1533
Jowar	1698	1746	1825	1977	2120	2247
Bajra	1083	1175	1213	1268	1371	1485
Ragi	2100	2194	2251	2385	2564	2860
Maize	1171	1213	1246	1308	1394	1447
Arhar(Tur)	3636	3796	3886	4131	4444	4761
Moong	4699	4797	4850	5167	5705	5788
Urad	3477	3660	3816	4155	4592	4883
Cotton	3501	3676	3817	4053	4411	4747
Ground In Shell	3394	3515	3699	3873	4251	4522
Sunflower Seed	3767	3921	4010	4113	4505	4853
Soybean	2473	2587	2633	2805	3029	3261
Sesamum	4322	4570	4871	5220	5755	6178
Nigerseed	3960	4462	4620	4858	5156	5811
Rabi Crops						
Wheat	923	960	1008	1065	1128	1182
Barley	919	971	1019	1082	1158	1239
Gram	2801	2866	3004	3206	3400	3527
Masur	2727	2864	3079	3239	3405	3537
Rapeseed & Mustard	2323	2415	2523	2670	2855	3011
Safflower	3470	3551	3627	3765	3807	3960
Other Crops						
Coconut	6639	6805	6974	7153	7350	N.A.
Jute	2535	2709	2832	2959	3095	3237
Sugarcane	156	159	155	162	157	164

Note : 1. Cost A₂ includes all actual expenses in cash and kind incurred in production by owner and rent paid for leased-in land, 2. FL: Family Labour is calculated on the basis of statutory wage rate or the actual market rate, whichever is higher.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In Press).

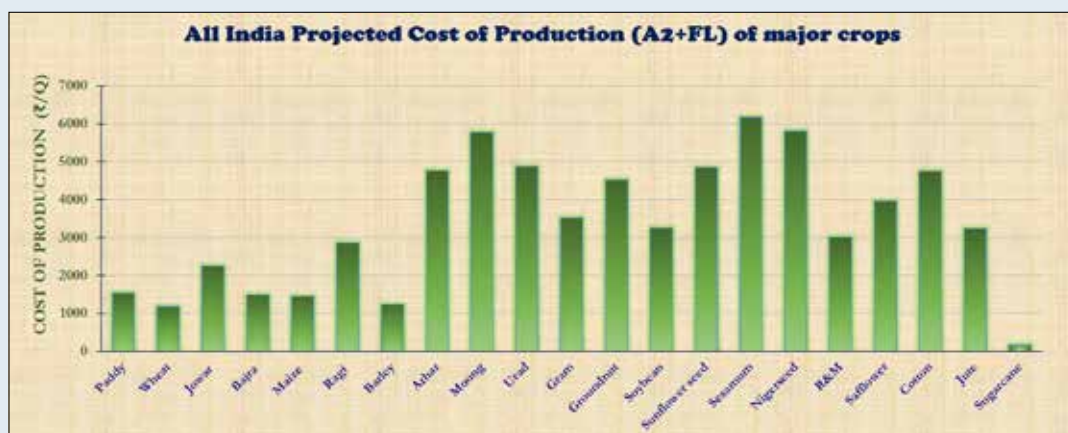


Table 5.27: Projected cost of production (A₂+FL) of principal crops in India

(₹/quintal)

Crops	States	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Major Cereals							
Paddy	Andhra Pradesh	1089	1108	1005	1061	1150	1232
	Assam	1341	1371	1450	1500	1596	1661
	Bihar	1077	1119	1167	1201	1279	1339
	Chhattisgarh	1063	1095	1129	1185	1257	1307
	Gujarat	1114	1128	1182	1230	1306	1363
	Haryana	1093	1113	1158	1197	1270	1331
	Himachal Pradesh	1177	1225	1289	1345	1429	1452
	Jharkhand	1333	1359	1407	1470	1559	1629
	Karnataka	1088	1132	1180	1237	1341	1437
	Kerala	1355	1518	1560	1650	1804	1888
	Madhya Pradesh	1369	1397	1456	1490	1578	1461
	Maharashtra	2196	2275	2405	2619	2839	3057
	Odisha	1444	1500	1548	1597	1693	1699
	Punjab	717	729	759	808	864	907
	Tamil Nadu	1255	1282	1345	1409	1498	1589
	Telangana	-	-	1319	1385	1493	1613
	Uttar Pradesh	1194	1240	1287	1353	1445	1616
	Uttarakhand	1018	1032	1076	1129	-	-
	West Bengal	1483	1537	1584	1658	1766	1849
	All India	1208	1245	1293	1360	1455	1533
Wheat	Bihar	1024	1063	1108	1160	1226	1279
	Chhattisgarh	-	1226	1345	1418	1496	1477
	Gujarat	1168	1204	1251	1309	1378	1394
	Haryana	824	850	888	937	988	1011
	Himachal Pradesh	1563	1525	1596	1666	1738	1744
	Jharkhand	1212	1345	1467	1561	1628	1677
	Karnataka	-	-	1741	1898	-	-
	Madhya Pradesh	897	928	969	1008	1064	1078
	Maharashtra	1846	1916	1996	2115	2195	2381
	Punjab	690	714	748	786	832	869
	Rajasthan	956	997	1038	1101	1186	1301
	Uttar Pradesh	992	1033	1082	1129	1198	1277
	Uttarakhand	968	1012	1056	1110	-	-
	West Bengal	-	-	1397	1455	1567	1652
	All India	923	960	1008	1065	1128	1182
Jowar	Andhra Pradesh	1342	1406	1290	1349	-	-
	Karnataka	2061	2120	2165	2270	-	-
	Madhya Pradesh	1432	1497	1477	1539	-	-
	Maharashtra	1753	1794	1852	1981	-	-
	Rajasthan	1271	1354	1533	1788	-	-
	Tamil Nadu	1515	1578	1661	1941	-	-
	Telangana	-	-	2925	3047	-	-
	All India	1698	1746	1825	1977	2120	2247
Bajra	Gujarat	1037	1067	1112	1169	-	-
	Haryana	1100	1124	1173	1230	-	-
	Maharashtra	2210	2245	2335	2437	-	-
	Rajasthan	1038	1199	1250	1308	-	-
	Uttar Pradesh	822	844	881	944	-	-
	All India	1083	1175	1213	1268	1371	1485

Production and productivity

Crops	States	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Maize	Andhra Pradesh	839	873	934	867	-	-
	Bihar	877	896	934	972	-	-
	Gujarat	1928	1999	2061	2093	-	-
	Himachal Pradesh	1609	1666	1748	1830	-	-
	Jharkhand	-	-	989	1034	-	-
	Karnataka	1056	1071	1112	1164	-	-
	Madhya Pradesh	1117	1160	1194	1247	-	-
	Maharashtra	1445	1499	1386	1444	-	-
	Punjab	1045	1139	1202	1261	-	-
	Rajasthan	1737	1776	1853	1945	-	-
	Tamil Nadu	1221	1268	1330	1395	-	-
	Telangana	-	-	1020	1074	-	-
	Uttar Pradesh	1315	1366	1438	1502	-	-
All India		1171	1213	1246	1308	1394	1447
Ragi	Karnataka	2228	2300	2384	2519	-	-
	Maharashtra	-	-	3080	3224	-	-
	Odisha	-	-	3034	3254	-	-
	Tamil Nadu	-	-	1576	1643	-	-
	Uttarakhand	1161	1463	1908	2000	-	-
	All India	2100	2194	2251	2385	2564	2860
Barley	Rajasthan	908	954	1005	1070	-	-
	Himachal Pradesh	-	1645	1771	1882	-	-
	Madhya Pradesh	-	-	1022	1084	-	-
	Uttar Pradesh	939	951	993	1053	-	-
	All India	919	971	1019	1082	1158	1239
Pulses							
Arhar	Andhra Pradesh	4777	5114	4529	4751	5042	5318
	Gujarat	4000	3857	4018	4252	4603	4764
	Karnataka	3369	3463	3616	3805	4124	4497
	Madhya Pradesh	2913	3120	3226	3440	3707	-
	Maharashtra	3847	4078	4261	4484	4820	5002
	Odisha	4638	5062	5246	5359	5472	5415
	Tamil Nadu	-	-	4675	4934	-	-
	Telangana	-	-	3940	4160	4626	5008
	Uttar Pradesh	3170	3314	3390	3585	3914	4162
	All India	3636	3796	3886	4131	4444	4761
Moong	Andhra Pradesh	4116	4361	3699	3910	4413	4664
	Bihar	-	-	3671	3557	-	-
	Gujarat	4621	4814	5147	5450	5866	5929
	Karnataka	4305	4525	4860	5102	5586	5784
	Madhya Pradesh	-	-	4188	4436	-	-
	Maharashtra	6803	6016	6433	6756	7336	6762
	Odisha	4810	5111	5376	5650	5949	6009
	Rajasthan	4402	4618	4970	5237	5717	5737
	Tamil Nadu	-	-	4533	4805	5218	5503
	Telangana	-	-	5164	5470	5958	-
	Uttar Pradesh	-	-	4673	4931	5361	4952
	West Bengal	-	-	4081	4305	4651	-
	All India	4699	4797	4850	5167	5705	5788
Urad	Andhra Pradesh	2018	2156	2622	2769	3036	3312
	Chattisgarh	-	4284	4512	4698	-	-
	Gujarat	-	-	4521	4715	5145	5912
	Madhya Pradesh	3176	3276	3347	3516	4093	4402
	Maharashtra	6264	6281	6496	6732	6949	6582
	Odisha	5052	5293	5538	5722	6191	6323

Crops	States	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
	Rajasthan	-	-	3637	3887	4425	6067
	Tamil Nadu	4530	4740	4880	5122	5441	5711
	Uttar Pradesh	4125	4296	4421	4614	5046	5019
	All India	3477	3660	3816	4155	4592	4883
Gram	Andhra Pradesh	3503	3004	3303	3488	3691	3520
	Bihar	-	2034	2124	2255	2384	2521
	Chhattisgarh	2645	2801	2932	3121	3292	3205
	Gujarat	-	2416	2545	2705	2848	3010
	Haryana	-	2059	2148	2284	2419	-
	Jharkhand	-	2077	2177	2680	2943	-
	Karnataka	3223	3428	3579	3818	4036	3980
	Madhya Pradesh	2551	2713	2835	3015	3202	3252
	Maharashtra	3182	3379	3543	3769	3970	4051
	Rajasthan	2432	2590	2728	2901	3082	3272
	Telangana	-	2518	2633	2801	2975	-
	Uttar Pradesh	3548	3274	3439	3650	3834	4168
	West Bengal	-	-	3729	3901	3997	-
	All India	2801	2866	3004	3206	3400	3527
Lentil	Bihar	2054	2149	2260	2456	2650	2889
	Madhya Pradesh	2401	2490	2630	2808	3033	3172
	Uttar Pradesh	3370	3489	3626	3849	3973	4060
	West Bengal	2768	2899	3023	3284	3530	3770
	All India	2727	2864	3079	3239	3405	3537
Oilseeds							
Groundnut	Andhra Pradesh	2919	3221	4666	4910	5380	6015
	Gujarat	3458	3566	3619	3809	4182	4438
	Karnataka	4869	5073	5227	5524	5861	6122
	Madhya Pradesh	-	-	3381	3581	-	-
	Maharashtra	5659	5902	6223	6542	6947	7468
	Odisha	3940	4357	4695	4935	5321	5869
	Rajasthan	1658	1755	1824	2114	2528	2708
	Tamil Nadu	4376	4491	4564	4799	5096	5415
	Telangana	-	-	3541	3750	4006	4790
	All India	3394	3515	3699	3873	4251	4522
Soybean	Chhattisgarh	-	2863	2999	3162	3382	-
	Karnataka	-	-	2419	2559	2765	3028
	Madhya Pradesh	2092	2257	2322	2442	2604	2882
	Maharashtra	2796	2950	3006	3161	3355	3492
	Rajasthan	3102	2760	2769	2909	3343	3833
	Telangana	-	-	2917	3079	3275	3427
	All India	2473	2587	2633	2805	3029	3261
Sunflower seed	Andhra Pradesh	3769	3919	-	3890	4171	4365
	Karnataka	3766	3922	4109	4353	4681	4892
	Odisha	-	-	3485	3698	-	-
	All India	3767	3921	4010	4113	4505	4853
Sesamum	Andhra Pradesh	6000	6424	-	5566	6059	6954
	Gujarat	6194	5771	5965	6255	6696	7099
	Karnataka	-	-	4388	4605	-	-
	Madhya Pradesh	3823	4033	4560	4765	5183	5417
	Odisha	-	4948	4681	4952	5384	-
	Rajasthan	5626	6388	6623	6886	7454	7722
	Tamil Nadu	-	-	6585	6695	-	-
	Uttar Pradesh	4724	5041	5131	5354	5779	6646
	West Bengal	3203	3619	3854	4104	4815	5386
	All India	4322	4570	4871	5220	5755	6178

Production and productivity

Crops	States	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Nigerseed	Odisha	3960	4462	4620	4858	5156	5811
	All India	3960	4462	4620	4858	5156	5811
Rapeseed & Mustard	Assam	4408	4586	4226	4557	4648	4543
	Bihar	2012	2097	2213	2382	2462	2643
	Gujarat	2245	2344	2456	2632	2790	2969
	Haryana	1879	1913	2009	2156	2296	2283
	Madhya Pradesh	1556	1640	1729	1851	2001	2080
	Punjab	-	2003	2109	2281	2474	2698
	Rajasthan	2393	2473	2625	2799	2993	3156
	Uttar Pradesh	2443	2530	2639	2794	2994	3168
	West Bengal	3117	3257	3416	3658	3844	4009
	All India	2323	2415	2523	2670	2855	3011
Safflower	Karnataka	2129	2767	2962	3765	3807	3960
	Maharashtra	4491	4544	4893	-	-	-
	All India	3470	3551	3627	3765	3807	3960
Other crops							
Cotton	Andhra Pradesh	3639	3769	3674	3905	4169	4557
	Gujarat	3082	3182	3279	3476	4060	4317
	Haryana	3216	3378	3482	3660	3825	4259
	Karnataka	3327	3454	3577	3799	4120	4387
	Madhya Pradesh	-	4177	4304	4523	4854	4972
	Maharashtra	4039	4201	4323	4573	4878	5197
	Odisha	4201	4360	4564	4759	5047	5418
	Punjab	3382	3462	3606	3606	3810	3945
	Rajasthan	2948	3022	3238	3415	3608	3936
	Tamil Nadu	4576	4741	4916	5122	5443	5929
	Telangana	-	-	4286	4510	4845	5287
	All India	3501	3676	3817	4053	4411	4747
Copra	Karnataka	6577	6443	6491	7133	7430	-
	Kerala	8041	8295	8642	8996	9212	-
	Tamil Nadu	4860	4999	5225	5367	5529	-
	All India	6639	6805	6974	7153	7350	-
Jute	Assam	3044	3205	3303	3427	3533	3656
	Bihar	1937	2008	1992	2105	2159	2271
	West Bengal	2580	2757	2879	3000	3127	3279
	All India	2534	2709	2832	2959	3095	3237
Sugarcane	Andhra Pradesh	192	203	216	236	242	253
	Karnataka	126	133	131	125	102	101
	Maharashtra	146	158	165	180	176	183
	Tamil Nadu	214	212	222	234	241	248
	Uttar Pradesh	157	158	154	163	159	167
	Uttarakhand	139	133	124	129	-	-
	All India	156	159	155	162	157	164

Note : 1. Cost A₂ includes all actual expenses in cash and kind incurred in production by owner and rent paid for leased-in land,
2. FL: Family Labour is calculated on the basis of statutory wage rate or the actual market rate, whichever is higher.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)

Table 5.28: Cost of cultivation of principal crops during 2021-22

(₹/ha)

Item	Rice				
	A.P.	M.P.	Punjab	T. Nadu	U.P.
I Operational cost	70,346.59	44,322.71	48,255.13	66,177.86	54,670.37
Human labour	34,114.79	17,865.10	16,810.97	22,051.76	25,328.58
Animal labour	147.22	2,108.24	4.86	88.09	13.81
Machine labour	14,547.57	10,189.29	11,461.65	18,251.52	8,950.45
Seed	2,256.12	3,083.04	1,754.93	8,224.80	4,841.66
Fertilizers and manure	10,247.77	5,755.10	4,450.59	8,253.92	4,722.45
Fertilizers	9,278.77	3,819.22	4,052.09	7,745.88	4,597.17
Manure	969.00	1,935.88	398.50	508.04	125.28
Insecticides	6,053.47	2,281.75	5,841.37	2,164.72	972.19
Crop Insurance	-	261.28	-	57.85	-
Irrigation charges	589.69	1,468.10	6,478.99	5,015.94	8,470.82
Interest on working capital	1,895.29	1,047.90	1,285.28	1,789.37	1,301.18
Miscellaneous	494.67	262.91	166.49	279.89	69.23
II Fixed cost	33,241.16	19,384.65	53,089.27	22,202.28	19,986.90
Rental value of owned land	30,374.25	16,027.95	37,673.20	14,744.68	15,779.64
Rent paid for leased in land	1,822.50	-	8,961.91	162.67	438.42
Land revenue, cesses & taxes	-	2.89	-	6.56	1.54
Depreciation on implements & farm buildings	128.40	617.16	1,565.51	717.15	699.50
Interest on fixed capital	916.01	2,736.65	4,888.65	6,571.22	3,067.80
Total I+II	1,03,587.75	63,707.36	1,01,344.40	88,380.14	74,657.27
III (a) Yield and value per ha					
1) Yield (q/ha)	57.09	44.87	69.80	45.25	36.15
2) Value of the main-product (₹/ha)	99,466.47	82,575.25	1,42,119.52	82,636.07	57,564.52
3) Value of the by-product (₹/ha)	6,458.14	5,719.13	276.36	5,220.03	3,649.78
III (b) Material and labour inputs per ha					
1) Seeds (kg/ha)	58.04	40.94	222.56	68.60	20.45
2) Fertilizers (kg/ha of nutrients)	275.62	153.54	192.42	213.76	171.36
3) Manure (q/ha)	10.99	11.32	16.73	2.83	1.24
4) Human labour (man-hours/ha)	411.06	492.20	309.26	368.44	639.50
5) Animal labour (pair-hours/ha)	0.88	14.76	0.03	0.41	0.06

Continued...

Production and productivity

Item	Wheat					Jowar
	Bihar	M.P.	Punjab	Rajasthan	U.P	A.P.
I Operational cost	39,360.92	33,921.13	31,335.56	57,190.54	47,775.09	55,490.81
Human labour	15,476.12	10,755.11	4,951.74	25,916.06	16,046.02	24,797.47
Animal labour	-	537.55	7.51	448.99	62.04	1,237.84
Machine labour	8,557.71	9,962.87	13,304.04	12,189.28	12,782.32	10,788.34
Seed	4,317.81	3,579.26	3,078.25	4,734.29	4,234.66	3,177.77
Fertilizers and manure	5,081.45	3,495.76	5,667.43	3,856.22	4,903.46	6,013.21
Fertilizers	4,735.58	3,455.59	5,648.74	3,387.37	4,868.23	6,013.21
Manure	345.87	40.17	18.69	468.85	35.23	-
Insecticides	100.39	182.16	2,465.03	317.79	197.03	5,686.69
Crop Insurance	-	261.71	-	-	-	-
Irrigation charges	4,861.41	4,213.91	763.56	8,514.68	8,329.02	1,982.09
Interest on working capital	947.37	814.36	858.88	1,129.20	1,150.96	1,607.09
Miscellaneous	18.66	118.44	239.12	84.03	69.58	200.31
II Fixed cost	21,694.58	19,570.64	38,116.86	23,756.80	28,176.45	42,907.89
Rental value of owned land	18,273.47	15,633.38	26,422.60	18,336.02	23,385.46	42,155.72
Rent paid for leased in land	197.35	-	5,716.93	378.49	542.97	-
Land revenue, cesses & taxes	206.84	4.13	-	1.06	2.40	-
Depreciation on implements & farm buildings	464.88	603.28	548.33	680.39	804.84	76.26
Interest on fixed capital	2,552.04	3,329.85	5,429.00	4,360.84	3,440.78	675.91
Total I+II	61,055.50	53,491.77	69,452.42	80,947.34	75,951.54	98,398.70
III (a) Yield and value per ha						
1) Yield (q/ha)	29.28	40.75	42.45	41.64	36.53	47.27
2) Value of the main-product (₹/ha)	55,758.81	72,013.93	91,300.60	89,977.52	71,700.56	1,38,414.72
3) Value of the by-product (₹/ha)	14,921.17	10,021.30	8,262.64	21,828.83	20,405.86	2,104.33
III (b) Material and labour inputs per ha						
1) Seeds (kg/ha)	120.97	119.61	119.41	152.47	139.50	13.53
2) Fertilizers (kg/ha of nutrients)	162.39	134.63	239.06	135.94	185.56	184.49
3) Manure (q/ha)	2.42	0.09	0.88	4.70	0.27	-
4) Human labour (man-hours/ha)	377.59	279.09	89.82	448.74	370.39	299.80
5) Animal labour (pair-hours/ha)	-	3.13	0.06	1.96	0.24	7.43

Continued...

Item	Jowar	Bajra		Maize		
	Maharashtra	Gujarat	Maharashtra	A.P.	Bihar	Rajasthan
I Operational cost	40,158.61	51,552.58	58,926.15	63,362.65	44,961.01	50,069.96
Human labour	18,340.10	27,959.11	30,848.24	20,404.59	18,711.93	30,805.96
Animal labour	2,177.62	728.01	1,724.10	1,056.12	-	862.14
Machine labour	13,308.52	9,543.83	17,059.58	12,837.45	7,969.58	10,432.08
Seed	1,455.16	2,613.06	1,312.83	8,176.76	4,038.05	3,463.89
Fertilizers and manure	1,608.96	4,572.06	4,323.64	10,860.14	5,213.14	3200.90
Fertilizers	1,582.41	3,851.58	3,968.84	10,851.62	4,916.45	2,094.27
Manure	26.55	720.48	354.80	8.52	296.69	1,106.63
Insecticides	14.87	176.76	34.64	5,592.98	7.81	193.74
Crop Insurance	47.15	-	-	-	-	-
Irrigation charges	2,185.77	4,623.18	2,277.78	2,346.88	7,903.28	416.31
Interest on working capital	988.88	1,150.25	1,297.22	1,723.13	1,117.22	684.16
Miscellaneous	31.58	186.32	48.12	364.60	-	10.78
II Fixed cost	11,378.34	16,743.92	14,000.34	39,485.51	19,114.14	13,377.29
Rental value of owned land	7,170.38	13,662.48	9,995.10	37,893.11	17,129.68	9,280.99
Rent paid for leased in land	-	-	-	-	-	627.88
Land revenue, cesses & taxes	32.12	3.51	28.63	-	188.51	-
Depreciation on implements & farm buildings	392.26	231.12	371.66	237.08	389.85	807.47
Interest on fixed capital	3,783.58	2,846.81	3,604.95	1,355.32	1,406.10	2,660.95
Total I+II	51,536.95	68,296.50	72,926.49	1,02,848.16	64,075.15	63,447.25
III (a) Yield and value per ha						
1) Yield (q/ha)	10.76	27.73	26.34	71.90	46.07	22.61
2) Value of the main-product (₹/ha)	30,439.71	57,561.76	52,842.41	1,26,196.81	79,757.36	43,312.95
3) Value of the by-product (₹/ha)	12,573.95	24,786.46	7,116.22	113.54	8,989.49	14,207.78
III (b) Material and labour inputs per ha						
1) Seeds (kg/ha)	13.20	6.77	4.09	22.69	19.93	27.01
2) Fertilizers (kg/ha of nutrients)	46.68	155.35	133.64	370.49	149.02	87.71
3) Manure (q/ha)	0.17	5.62	0.89	0.04	1.48	7.38
4) Human labour (man-hours/ha)	407.54	668.53	670.63	291.05	546.85	569.78
5) Animal labour (pair-hours/ha)	12.02	4.45	11.91	6.33	-	6.41

Continued ...

Production and productivity

Item	Tur (Arhar)			Groundnut		Cotton
	U.P.	Karnataka	Gujarat	A.P.	Gujarat	Haryana
I Operational cost	37,839.87	31,162.33	36,703.05	64,105.07	70,949.37	53,095.94
Human labour	26,642.52	10,521.97	17,079.41	25,799.99	24,527.61	27,399.11
Animal labour	-	4,697.06	759.02	2,390.98	1,621.31	146.89
Machine labour	5,925.08	8,769.88	10,619.61	7,748.02	14,016.15	9,458.46
Seed	3,407.29	982.91	1,175.45	16,728.30	16,110.00	3,759.12
Fertilizers and manure	186.32	2,757.97	1,840.71	7,027.59	7,299.88	3,909.66
Fertilizers	186.32	2,743.21	1,374.27	6,692.70	3,289.29	3,899.49
Manure	-	14.76	466.44	334.89	4,010.59	10.17
Insecticides	-	2,426.61	2,282.45	1,896.16	4,176.74	3,316.37
Crop Insurance	-	8.76	-	-	-	298.53
Irrigation charges	1,170.21	71.93	2,020.75	558.78	1,131.28	3,634.30
Interest on working capital	487.47	800.45	839.56	1,707.14	1,892.24	1,112.86
Miscellaneous	20.98	124.79	86.09	248.11	174.16	60.64
II Fixed cost	32,477.31	12,298.32	16,184.41	19,338.87	20,697.79	24,755.41
Rental value of owned land	26,279.00	10,179.15	10,724.46	14,766.19	16,153.32	19,910.25
Rent paid for leased in land	-	-	648.45	2,347.67	459.26	55.05
Land revenue, cesses & taxes	8.37	7.95	18.98	-	4.86	-
Depreciation on implements & farm buildings	1,108.13	213.58	475.68	333.94	400.68	800.30
Interest on fixed capital	5,081.81	1,897.64	4,316.84	1,881.07	3,679.67	3,989.81
Total I+II	70,317.18	43,460.65	52,887.46	83,443.94	91,647.16	77,851.35
III (a) Yield and value per ha						
1) Yield (q/ha)	9.32	6.67	9.52	9.76	16.50	10.89
2) Value of the main-product (₹/ha)	69,915.65	40,524.14	61,988.95	51,903.13	89,786.69	83,816.44
3) Value of the by-product (₹/ha)	8,929.21	1,346.60	2,609.18	2,698.01	11,507.53	3,524.41
III (b) Material and labour inputs per ha						
1) Seeds (kg/ha)	23.16	11.61	11.05	153.17	140.17	2.68
2) Fertilizers (kg/ha of nutrients)	13.92	69.63	38.22	156.01	99.72	139.00
3) Manure (q/ha)	-	0.10	6.50	1.97	29.89	0.00
4) Human labour (man-hours/ha)	637.25	247.61	620.20	395.33	583.90	488.48
5) Animal labour (pair-hours/ha)	-	25.17	4.97	11.92	8.57	1.00

Continued...

Item	Cotton		Sugarcane			
	A.P.	Gujarat	A.P.	U.P.	Maharashtra	T. Nadu
I Operational Cost	66,141.15	64,901.07	1,25,060.86	96,656.22	1,78,446.13	1,88,011.13
Human labour	32,726.70	33,296.32	87,438.66	58,475.71	75,676.86	1,22,052.56
Animal labour	4,162.52	1,387.02	1,574.72	490.18	5,882.81	673.45
Machine labour	7,118.43	12,028.84	5,829.04	3,740.97	32,899.07	9,982.82
Seed	5,139.89	3,300.65	11,808.49	11,344.73	9,864.80	10,866.36
Fertilizers and manure	8,639.54	6,965.14	8,824.57	5,143.37	23,259.73	18,885.86
Fertilizers	7,392.19	4,548.65	6,341.11	4,654.14	20,211.20	13,966.32
Manure	1,247.35	2,416.49	2,483.46	489.23	3,048.53	4,919.54
Insecticides	6,194.25	3,703.17	4.35	1,749.64	1,895.86	1,034.37
Crop Insurance	-	-	-	-	3.21	-
Irrigation charges	179.04	2,460.84	3,111.25	11,032.64	19,100.72	13,943.29
Interest on working capital	1,863.78	1,562.21	6,469.78	4,608.16	8,720.38	10,200.08
Miscellaneous	117.00	196.88	-	70.82	1,142.69	372.34
II Fixed cost	37,570.32	25,392.34	33,686.92	67,481.17	64,151.85	61,959.93
Rental value of owned land	28,356.91	18,519.36	30,144.32	56,214.01	44,975.96	39,154.53
Rent paid for leased in land	6,272.44	898.17	-	-	-	70.33
Land revenue, cesses & taxes	-	8.03	-	9.97	40.99	11.78
Depreciation on implements & farm buildings	351.22	536.14	151.43	2,301.45	1,740.66	1,648.79
Interest on fixed capital	2,589.75	5430.64	3,391.17	8,955.74	17,394.24	21,074.50
Total I+II	1,03,711.47	90,293.41	1,58,747.78	1,64,137.39	2,42,597.98	2,49,971.06
III (a) Yield and value per ha						
1) Yield (q/ha)	16.61	14.82	365.39	659.06	1,060.67	1,075.06
2) Value of the main-product (₹/ha)	1,17,246.78	1,16,909.51	1,00,481.08	2,26,904.66	2,52,519.41	3,02,118.00
3) Value of the by-product (₹/ha)	-	1,012.56	-	9,207.54	17,282.40	5,108.00
III (b) Material and labour inputs per ha						
1) Seeds (kg/ha)	3.29	1.97	41.89	34.86	24.92	37.01
2) Fertilizers (kg/ha of nutrients)	220.57	171.89	298.16	200.77	646.94	386.83
3) Manure (q/ha)	12.47	18.14	24.31	6.23	9.75	29.58
4) Human labour (man-hours/ha)	468.92	885.21	1,655.75	1,420.84	1,701.57	1,604.25
5) Animal labour (pair-hours/ha)	15.15	6.45	15.46	2.01	28.63	3.10

Source : Fertiliser Statistics 2023-24, The Fertiliser Association of India, New Delhi.

Table 5.29: Cropping pattern according to land utilization statistics during 2021-22 and 2022-23

Crops		2021-22		2022-23(P)	
		Area ('000 ha)	% share to total cropped area	Area ('000 ha)	% share to total cropped area
I.	Food crops	1,62,495	74.1	1,60,244	73.1
	1. Total foodgrains	1,38,629	63.3	1,36,309	62.1
	(A) Cereals & millets	1,08,731	49.6	1,08,781	49.6
	Rice	49,905	22.8	49,527	22.6
	Jowar	3,934	1.8	3,639	1.7
	Bajra	7,619	3.5	7,574	3.5
	Maize	10,250	4.7	10,736	4.9
	Ragi	1,255	0.6	1,174	0.5
	Wheat	34,808	15.9	34,994	16.0
	Barley	486	0.2	622	0.3
	Other cereals & millets	473	0.2	515	0.2
	(B) Pulses	29,898	13.6	27,528	12.5
	Gram	10,420	4.8	9,790	4.5
	Tur (Arhar)	4,779	2.2	3,934	1.8
	Other pulses	14,669	6.7	13,805	6.3
	2. Sugar	6,508	3.0	6,811	3.1
	Sugarcane	6,494	3.0	6,794	3.1
	Others	15	0.01	16	0.01
	3. Condiments & spices	4,330	2.0	4,598	2.1
	Pepper (Black)	302	0.1	303	0.1
	Chillies	795	0.4	749	0.3
	Ginger	166	0.1	140	0.1
	Turmeric	274	0.1	251	0.1
	Cardamom	75	0.03	80	0.04
	Betelnuts	857	0.4	949	0.4
	Others	1,861	0.8	2,126	1.0
	4. Total fruits & vegetables	12,643	5.8	12,024	5.5
	(i) Total fruits	5,020	2.3	5,219	2.4
	(A) Fresh fruits	4,462	2.0	4,657	2.1
	Mangoes	1,611	0.7	1,652	0.8
	Citrus fruits	557	0.3	650	0.3
	Banana	741	0.3	778	0.4
	Grapes	161	0.1	166	0.1
	Pome fruits	21	0.01	35	0.02
	Papaya	103	0.05	104	0.05
	Apple	173	0.1	176	0.1
	Others	1,095	0.5	1,096	0.5
	(B) Dry fruits	558	0.3	561	0.3
	Cashew nut	542	0.2	544	0.2
	Others	16	0.01	18	0.01

Crops		2021-22		2022-23(P)	
		Area (‘000 ha)	% share to total cropped area	Area (‘000 ha)	% share to total cropped area
	(ii) Vegetables	7,623	3.5	6,806	3.1
	Potato	1,735	0.8	1,912	0.9
	Tapioca	168	0.1	160	0.1
	Sweet potato	74	0.03	67	0.03
	Onion	1,761	0.8	1,459	0.7
	Others	3,885	1.8	3,209	1.5
	5. Other food crops	385	0.2	502	0.2
II.	Non-food crops	56,663	25.9	59,113	26.9
	1. Oilseeds	32,111	14.7	33,181	15.1
	Groundnut	5,714	2.6	4,971	2.3
	Castorseed	826	0.4	1,013	0.5
	Sesamum	1,707	0.8	1,541	0.7
	Rapeseed & Mustard	8,585	3.9	9,283	4.2
	Linseed	146	0.1	194	0.1
	Coconut	2,057	0.9	2,175	1.0
	Nigerseed	85	0.04	67	0.03
	Safflower	79	0.04	109	0.05
	Soybean	11,877	5.4	12,885	5.9
	Sunflower	259	0.1	359	0.2
	Others	775	0.4	584	0.3
	2. Fibres	13,088	6.0	13,734	6.3
	Cotton	12,349	5.6	13,009	5.9
	Jute	630	0.3	618	0.3
	Mesta	59	0.03	60	0.03
	Sunn hemp	17	0.01	29	0.01
	Others	34	0.02	18	0.01
	3. Dyes & tanning material	62	0.03	63	0.03
	Indigo	1	Neg.	1	Neg.
	Others	61	0.03	62	0.03
	4. Drugs, narcotics & plantation crops	3,100	1.4	3,044	1.4
	Opium	4	0.002	5	Neg.
	Tobacco	389	0.2	381	0.2
	Cinchona	0.03	Neg.	0.04	Neg.
	Indian hemp	0.03	Neg.	0.05	Neg.
	Tea	614	0.3	616	0.3
	Coffee	429	0.2	433	0.2
	Rubber	707	0.3	726	0.3
	Others	956	0.4	883	0.4
	5. Fodder crops	7,114	3.2	7,683	3.5
	6. Green manure crops	85	0.04	510	0.2
	7. Other non-food crops	1,104	0.5	898	0.4
Total area sown under all crops (I+II)		2,19,158	100.0	2,19,357	100.0

Note : 1. Neg.: Negligible, 2. P: Provisional.

Source : Fertiliser Statistics 2023-24, The Fertiliser Association of India, New Delhi.

Table 5.30: Minimum support prices of various agricultural commodities

(₹/q)

Commodity	Variety	2020-21	2021-22	2022-23	2023-24	2024-25	Increase in 2024-25 over 2023-24 (#)
Kharif Crops							
Paddy	Common	1868	1940	2040	2183	2300	117 (5.4)
	Grade 'A'	1888	1960	2060	2203	2320	117 (5.3)
Jowar	Hybrid	2620	2738	2970	3180	3371	191 (6.0)
	Maldandi	2640	2758	2990	3225	3421	196 (6.1)
Bajra		2150	2250	2350	2500	2625	125 (5.0)
Ragi		3295	3377	3578	3846	4290	444 (11.5)
Maize		1850	1870	1962	2090	2225	135 (6.5)
Arhar (Tur)		6000	6300	6600	7000	7550	550 (7.9)
Moong		7196	7275	7755	8558	8682	124 (1.4)
Urad		6000	6300	6600	6950	7400	450 (6.5)
Groundnut		5275	5550	5850	6377	6783	406 (6.4)
Sunflower Seed		5885	6015	6400	6760	7280	520 (7.7)
Soybean (yellow)		3880	3950	4300	4600	4892	292 (6.3)
Sesamum		6855	7307	7830	8635	9267	632 (7.3)
Nigerseed		6695	6930	7287	7734	8717	983 (12.7)
Cotton	Medium Staple	5515	5726	6080	6620	7121	501 (7.6)
	Long Staple	5825	6025	6380	7020	7521	501 (7.1)
Rabi Crops							
Wheat		1975	2015	2125	2275	2425	150 (6.6)
Barley		1600	1635	1735	1850	1980	130 (7.0)
Gram		5100	5230	5335	5440	5650	210 (3.9)
Masur (Lentil)		5100	5500	6000	6425	6700	275 (4.3)
Rapeseed/Mustard		4650	5050	5450	5650	5950	300 (5.3)
Safflower		5327	5441	5650	5800	5940	140 (2.4)
Toria		4650	5050	5450	5650	5950	300 (5.3)
Other Crops							
Copra (Calendar year)	Milling	9960	10335	10590	10860	11160	300 (2.8)
	Ball	10300	10600	11000	11750	12000	250 (2.1)
De-husked Coconut (Calendar year)		2700	2800	2860	2930	3013	83 (2.8)
Jute		4225	4500	4750	5050	5335	285 (5.6)
Sugarcane^s		285	290	305	315	340	25 (7.9)

Note : 1. \$: Fair & Remunerative Price, 2. #: Figures in parenthesis indicate percentage increase, 3. Government has fixed the MSP for Fair Average Quality of Milling Copra at ₹ 11582/- per quintal and for Ball Copra at ₹ 12100/- per quintal for 2025 season on 20th December, 2024.

Source : *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In Press)



भाग-VI
कृषि अभियांत्रिकी एवं उत्पाद प्रबंधन

SECTION-VI
Agricultural Engineering and
Produce Management



Table 6.1: Improved selected farm implements and machines

S. No.	OPERATION-WISE EQUIPMENT	
AGRICULTURAL MECHANIZATION		
1.	Inclined Plate Planter Suitability: It is suitable for precision planting of single seed of crops like mustard, sorghum, soybean, cotton seed, pigeon pea, maize, groundnut, okra etc. at predetermined spacing. No. of rows : 2-6 adjustable Row spacing : 250 mm & above	
2.	Tractor Drawn Pneumatic Planter Suitability: To plant single seed at predetermined seed to seed and row to row spacing. Suitable for mustard, sorghum, soybean, cotton, pigeon pea, groundnut, okra etc. Field Capacity : 0.5-1.0 ha/h Power Source : Tractor (35-45 hp)	
3.	Plastic Mulch Laying Machine Suitability: For laying plastic film for mulching & moisture conservation, raising soil temperature for better germination of seed and weed control. Capacity : 0.12-0.18 ha/h Power Source : Tractor (35 hp or above)	
4.	Rotary Assisted Broad Bed Former-cum-seeder Suitability: For seeding of soybean and wheat crops on raised bed. Provision has been made for attachment of rotavator for formation of fresh bed or sowing with reshaping of bed with bed shaper only. Field Capacity : 0.35 ha/h - 0.56 ha/h Power Source : Tractor 50 hp	
5.	Sugarcane Bud Chipping Machine It is used for extracting the buds from sugarcane. These buds can be used for preparation of bud-chip nursery for planting sugarcane crop. One operator can chip about 1000 sugarcane bud chips per hour.	

S. No.	OPERATION-WISE EQUIPMENT	
6.	Vegetable Transplanter Use : Planting of Chilly, Brinjal, Tomato etc. Work capacity & description and cost planting capacity : 0.12 ha/h Required power : 35 hp Tractor Required man-power : 2 (one labour for each row) Required seedling tray no. : Two Kind of seedling : Seedling without soil	
7.	Self Propelled Multipurpose Hydraulic System for Orchard Operations Self-propelled hydraulic multipurpose system for medium height fruit trees facilitates orchard management operations like harvesting, pruning, spraying and other canopy management practices in fruit trees such as mango, citrus and sapota. These operations are otherwise difficult, labour intensive and cumbersome	
8.	Arecanut Sheath Shredder It shreds arecanut leaf sheath into size of 5-8mm without dust .The shredder is power operated with 3 hp electric motor and gives capacity of 100 kg/hr • The output size of arecanut sheath shred is 5 to 8 mm, free from dust • It can shred Arecanut leaf sheath of different moisture content	
9.	Power Operated Ribbonner for Jute It is for removal of ribbon (jute fibre) from green jute stick i.e. freshly harvested jute crop, without retting of jute sticks. This machine is operated by four persons at a time. • The machine gives output of 100 kg of ribbon per hour with 88-90 % ribbon recovery. • Reduces water requirement for retting by 20-25 times. • Retting time is also reduced to 7-8 days only as against 15-20 days with traditional method.	
10.	Millet Thresher Suitable for threshing of several minor millets like finger millet, barnyard millet, proso millet, kodo millet, foxtell millet (kodo, kutki, ragi etc.) Can also be used for dehulling of barnyard, kodo and proso millets. Capacity : 80-120 kg/h crops Cost of Operation : Rs. 0.20/kg grain Efficiency : more than 98%.	

S. No.	OPERATION-WISE EQUIPMENT	
11.	Laser Guided Land Leveller It is used for levelling the field. There is a control unit which guides the machine through a receiver mounted on machine itself. It saves the irrigation 20-25%.	
12.	Tractor Operated Zero Till Drill Tractor operated Zero till drill is used for drilling wheat immediately after the harvest of rice to take advantage of residual moisture, thereby ensuring timeliness for the rabi crop. It forms a thin slit with the help of the inverted 'T' type furrow opener to conserve moisture. Initial land preparation is also avoided.	
13.	Tractor Operated Raised Bed Planter Two raised beds can be made using this machine on which planting is also carried out simultaneously. Fertilizer drilling can also be accomplished on the raised beds. It has a field capacity of 0.4 ha/h. Raised bed cultivation saves water and gives about 15% higher yield.	
14.	Tractor Operated Aero Blast Sprayer Aero blast sprayer has a tank of 400 l capacity and high pressure pumps and a blower operated by pto delivering high volume of spray in orchards to cover the entire canopy.	 Tractor Operated Orchard Sprayer
15.	Tractor Operated Peg Type Puddler It consists of rectangular frame, pegs and three point hitch system. The square pegs mounted on three bars are uniformly staggered to partial helical configuration for better dispersion of soil. The puddler is operated in 50-100 mm of standing water. As the puddler moves, the pegs tear the soil, uproot the weeds, disperse the soil in water and level the field. Working width : 2000 mm Draft : 1000 N	

S. No.	OPERATION-WISE EQUIPMENT	
16.	Self Propelled Vertical Conveyor Reaper (walk behind type) The self-propelled vertical conveyor reaper, also known as walk behind type harvester, consists of 6 hp diesel engine, crop row dividers, star wheels, standard cutter bar having 76.2 mm pitch of knife sections, vertical conveyor belts with lugs, steel lugged wheels, power transmission system and operating controls. The engine power is transmitted to cutter bar and conveyor belts through belt and pulleys. The effective cutter bar width is about 1 m. Weight : 245 kg Power source : 6 hp diesel engine	
17.	Tractor Operated Straw Reaper-cum-Trailer This design has the provision of trolley over the straw reaper for collecting the straw. It harvests straw of combine harvested wheat field, gathers shattered ear heads as uncut plants from the field, threshes straw into fine quality bhusa and separates collected grains. Simultaneously it blows bhusa (fine straw) in the in-built overhead trailer. Thus the work of harvesting, threshing, loading and unloading is done with only one tractor while in the existing system additional tractor and trailer is required to collect the straw. Power Source : 35 hp tractor or above Length of cutter bar : 1830 mm Height of cut : 60 mm Number of blows : 1-2 Fuel consumption : 5.6 l/h	
AGRICULTURAL PRODUCE & PROCESSING		
18.	Pedal Operated Potato Peeler The pedal operated potato peeler is developed for small entrepreneurs where electricity is not available. The perforated stainless steel drums during rotation remove skin of potatoes as in manual peeler. Its capacity is 188 kg/h with 0.53 man-h/q requirement and 30/- operating cost. The peeling efficiency is 77%. Capacity : 188 kg/h Requirement : 0.53 man-h/q Operating cost : Rs. 30/- Peeling efficiency : 77%	

S. No.	OPERATION-WISE EQUIPMENT	
19.	Pedal Operated Potato Slicer The pedal operated potato slicer is suitable for small entrepreneurs where electricity is not available. It consists of Main frame, feeding unit, stainless steel blade etc.	
20.	Cottage Scale Soy Paneer Plant It is a cottage level plant to produce milk and paneer. It consists of steam generation unit, grinder cum cooker, milk filtration unit and paneer pressing device. The soysplits are grinded at 80OC in air free surroundings to produce paneer. Capacity : 300 kg milk and 50 kg paneer per day	
21.	CIAE-Millet Mill Developed for dehusking of all minor millets. The capacity of the machine is 100-110 kg/h of millet grains at 10-12 % moisture content. • Power requirement: One hp single phase electric motor. • It has provisions to adjust the clearance between the dehusking surfaces to suit the different sizes of minor millets. • Working Principle: Gentle abrasion/attrition & (aerodynamic) cyclone separator.	
22.	Fruit Grader CIAE-Fruit Grader is suitable for all round fruits/ vegetables like tomato, guava, amla, apple, citrus, onion, etc. • Capacity of grading is 1.2 to 1.5 tonnes per hour. • Power requirement – 0.5 hp single phase. The Grader is light in weight (Approx. 138 kg). • Cost of operation is Rs. 51 per tonne assuming 4 hour operation per day.	

S. No.	OPERATION-WISE EQUIPMENT	
23.	Aloevera Gel Extractor The continuous feed aloevera whole gel extraction unit peels both top and bottom rinds in a single pass with the help of pair of stainless steel blades. - There is a set of stainless steel rods, which are provided at the outlet, for the aloevera gel to be separated from the peeled upper and lower rind. - The whole gel is directly collected in the food grade container, which is partially filled with clean water. The top and the bottom leaves are collected separately. - The equipment is unique in design and very useful in separating the aloevera gel with ease with minimal quantity of aloein.	 A photograph showing two people operating a large, orange and blue industrial machine designed for extracting gel from aloevera leaves. The machine is mounted on a stand with wheels and has a collection bin at the bottom.
24.	Various Soy-products - Soy milk - Soy flour (full fat, medium fat, defatted) - Tofu (soy paneer) - Traditional foods - Dairy analogs - Okara based products	 A collage of images showing various soy-based products, including soy milk, soy flour, tofu, and traditional soy dishes, arranged in a grid-like fashion.
25.	CIAE Nutri-bar: A Healthy Snack It substantially contributes to our daily requirement of energy, protein and minerals and also provides added advantages of phenolics and antioxidants. This snack can be used to satisfy “between the meals” hunger and also act as “quick bite” during travel. High in energy and proteins, good source of minerals, phenolics and antioxidants, high satiety value, healthy substitute to sweet and savory snacks.	 A photograph of a single, golden-brown, rectangular snack bar, likely the CIAE Nutri-bar, showing its textured surface.
AGRICULTURAL ENERGY & POWER		
26.	Biomass Gasification & Electricity Generation Plant - The agro waste crop residues are converted into briquette suited for gasifier. - The agro waste briquettes are converted into fuel gas. These fuel gases are used in gas engine for generation of electricity. - The electricity generation is environmental friendly as no extra carbon dioxide is introduced into the atmosphere as compared to fossil fuelled combustion systems. 1 kWh of electricity energy can be produced from 1.2 kg of biomass using developed technology.	 A photograph of a biomass gasification plant, showing a large, industrial-looking structure with a tall chimney and a complex network of pipes and metal frameworks.

S. No.	OPERATION-WISE EQUIPMENT	
IRRIGATION & DRAINAGE ENGINEERING		
27.	Mole Plough This Plough can be used for making moles at 600 mm depth to drain temporarily water logged vertisols. The plough can be attached to a 3-point linkage of a tractor (75 hp or more) and about 600 mm depth from the surface drains are to be constructed.	
AGRO PROCESSING MACHINERY		
28.	Manually Operated Banana Comb Cutter Banana-Comb/hand Cutter maintains smooth cutting curve of banana-comb/hand, with no fruit damage during cutting (as in case of knife or sickle cutting, some banana-finger getting damaged). This tool is suitable for all sizes of banana bunch stems.	 
29.	Pomegranate Aril Separator This is extremely useful for small scale fruit juice processors and fruit juice vendors for easy, hygienic and fast separation of arils. About 40-45% arils are already separated in the process of irregular breaking due to shearing action on the inner sheath and outer peel.	 
POWER OPERATED PROCESSING MACHINES		
30.	Automatic Litchi Peeler Litchi is non-climacteric fruit that possesses poor shelf life and therefore needs processing to enhance shelf life. This is used for peeling of litchi fruits with Capacity : 120 kg/h Peeling efficiency : 96 % Pulp loss : 4 %	

S. No.	OPERATION-WISE EQUIPMENT	
31.	Pomegranate Aril Extractor This is used for Pomegranate arils which are not consumed mostly because of the cumbersome process of removing arils from peel. The separated arils can be further processed for juice, dried arils, jellies etc. Aril extraction capacity : 5.0 quintal /h Aril extraction efficiency : 90-94% Mechanical damage : 2-4% to arils	
32.	Custard Apple Pulper Custard apple is an underutilized crop due to lack of handling and processing machineries. For food processing industries, this machine would help them to develop new products out of custard apple and get good market value. Capacity : 120 kg/h Peeling efficiency : 94 % Pulp loss : 6 %	
33.	Cryogenic Spice Grinding System Cryogenic spice grinder is a system for grinding of spices at ultra low temperature, thereby maintaining their flavour and medicinal properties. This is Cyclone system for collection of different grades of ground spice powder with capacity of 30–50 kg/h depending on type of spice with 185 litre (self pressurised) Liquid nitrogen cylinder capacity. Capacity : 30–50 kg/h	
34.	Makhana Popping Machine This developed machine has advantages such as: Mechanized process, Reduces time of processing, Reduces the drudgery of the labourers, Production of high amount of grade I kernel, High throughput, Decortication is also possible, Energy saving. This is used for the popping of makhana seeds having capacity of 35-40 kg/h (raw wet seeds) with 95 % decortication efficiency and 90-94 % popping efficiency. Capacity : 35-40 kg/h Decortication efficiency : 94 % Popping efficiency : 6 %	

S. No.	OPERATION-WISE EQUIPMENT	
35.	Potato Peeler For processing of potatoes in any form, removal of peel is an important unit operation. Hence, a power operated batch type potato peeler was developed which is suitable for small scale processor of potato chips and other products. Capacity : 400 kg/h Peeling efficiency : 99.5 % Peel loss : 0.5 %	

MACHINERIES USED IN THE POST-HARVEST PROCESSING OF COTTON

36.	Cotton Pre-Cleaner Useful to remove the trash from the seed cotton before ginning to get improved ginning performance and obtain better quality lint. Capacity : 3500 – 6000 kg/h Power requirement : 2.98 – 5.59kW Cleaning efficiency : 40 – 50%	
37.	Lilliput Gin A portable ginning machine useful to breeders, seed companies, traders, marketing agencies and farmers etc. for ginning small seed cotton (kapas) samples and ascertain the ginning percentage as well as assess fibre quality. Power requirement : 0.75 kW (single phase) Capacity : 5 kg seed cotton/h	

S. No.	OPERATION-WISE EQUIPMENT	
38.	CIRCOT Miniature Spinning System Useful for assessment of spinning quality of small cotton fibre samples and for the preparation of fibre sliver and yarn samples. The system consists of four table model microprocessor controlled machines (units) viz., Miniature Carding Machine, Miniature Draw frame, Miniature Sliver to Yarn Spinner and Rotor OE Spinner. Output capacity : 100 g/h (cotton sample) Power requirement : Single phase, 0.6 kW	
39.	Axial Flow Cotton Pre-Cleaner On-farm cleaning of seed cotton by farmers and traders. It removes small trash particles, kawadi, sand and dust. Power requirement : 1.86 Output capacity : 650 kg seed cotton/h Cleaning efficiency : 30 - 40%	
40.	CIRCOT Minicard for Sliver Production (Village Level) This machine is suitable for making sliver from cotton that can be used in cottage industries. Power requirement : 1.12 kW Capacity : 2 kg/h of sliver	
41.	Stick Removal Machine for Mechanically Harvested Cotton This machine is used to remove the large sized vegetative trash (sticks) from mechanically harvested cotton. Power requirement : 3.73 kW and 0.74 kW Output capacity : 750-800 kg seed cotton/h Stick removal efficiency : 80-85%	

S. No.	OPERATION-WISE EQUIPMENT	
42.	Saw Band Cleaner for Cleaning of Machine Harvested Cotton Machine is used to remove fine trash, burrs etc. from mechanically harvested seed cotton. Power requirement : 3.73 kW and 0.74 kW for feed roller Output capacity : 800-850 kg seed cotton/h Fine trash removal efficiency : 25-30%	
43.	On Board Pre-cleaner for Cleaning Mechanically Stripped Cotton Machine is used for on-farm cleaning of trash, burrs, bracts etc., from cotton harvested by machine stripper. Cleaning efficiency : 48-50% Capacity : 900-1000 kg/h Power Requirement : 3 kW	
44.	Lint Opener Used for preparing the cotton samples for testing of micronaire value on High Volume Instrument. Capacity : 30 samples of 100 g each per hour Power Requirement : 2.5 kW	

Source :

1. Equipment from 1-27, ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.
2. Equipment from 28-35, ICAR-Central Institute of Post-Harvest Engineering & Technology, Ludhiana, Punjab.
3. Equipment from 36-44, ICAR-Central Institute for Research on Cotton Technology, Adenwala Road, Matunga, Mumbai 400 019.

Table 6.2: Agricultural Engineering inputs status in India

(Number)

Year	Tractors sold and exported	Power tillers sold	Villages electrified	Cumulative irrigation pump sets energized
2000-01	251939	16018	508071	12823480
2001-02	217456	13563	508863	13141378
2002-03	168182	14613	492325	13792473
2003-04	189518	15665	495031	14115441
2004-05	246469	17481	498877	14446461
2005-06	291680	22303	471360	14843804
2006-07	352827	24791	487351	15368577
2007-08	346501	26135	487347	15674673
2008-09	347010	35331	492831	15963476
2009-10	440331	43464	497950	16193521
2010-11	545109	51414	537947	17167631
2011-12	607658	57232	557439	18178136
2012-13	590672	51237	561751	19014881
2013-14	696828	53927	572466	19156212
2014-15	626839	N.A.	577698	19912081
2015-16	571249	N.A.	586065	20434180
2016-17	744536	N.A.	597121	20645608
2017-18	796873	N.A.	592829	21425411
2018-19	880472	N.A.	597464	21798964
2019-20	781065	N.A.	All villages have been electrified **	22044043
2020-21	988028	N.A.		N.A.
2021-22	970902	N.A.		N.A.
2022-23	1156793	N.A.		N.A.
2023-24	965065	N.A.		N.A.
2024-25	1038526	N.A.		N.A.

Note : 1. N.A.: Not available, 2. **: All villages electrified.

Source : 1. Tractor Manufacturers Association, New Delhi. (Assessed on 08.05.2025)
 2. Power Tiller Manufacturers Association.
 4. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.
 5. Energy Statistics 2025, Ministry of New and Renewable Energy, Govt. of India.



Table 6.3: Production and sale of tractors in India

(Number)

Year	Tractors	
	Production	Sale
1970-71	20099	33399
1971-72	18100	37839
1972-73	20802	21802
1973-74	24425	25425
1974-75	31088	31881
1975-76	33252	34352
1976-77	33146	36066
1977-78	40946	40946
1978-79	54322	54322
1979-80	62275	62275
1980-81	71024	72012
1981-82	84137	79467
1982-83	63054	63073
1983-84	76173	74318
1984-85	85005	80317
1985-86	75550	76886
1986-87	80369	80164
1987-88	92092	93157
1988-89	109987	110323
1989-90	121624	122098
1990-91	139233	139828
1991-92	151759	151121
1992-93	147016	144337
1993-94	136971	138753
1994-95	164029	164770
1995-96	191311	191329
1996-97	221689	222684
1997-98	255327	248141
1998-99	261609	262169
1999-00	278556	273182
2000-01	235602	251939
2001-02	207252	217456
2002-03	156613	168182
2003-04	191633	189518
2004-05	249077	246469

2005-06	296080	291680
2006-07	352368	352827
2007-08	345172	346501
2008-09	343520	347010
2009-10	436947	440331
2010-11	548397	545109
2011-12	639896	607658
2012-13	578690	590672
2013-14	707898	696828
2014-15	612994	626839
2015-16	571565	571249
2016-17	777914	744536
2017-18	790673	796873
2018-19	758929	880472
2019-20	777752	781065
2020-21	965231	988028
2021-22	961100	842266
2022-23	1158154	1024599
2023-24	947143	965065
2024-25	1007660	1038526

- Source : 1. Tractor Manufacturers Association, New Delhi.
 2. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.
 3. Tractor and mechanization Association, New Delhi. Data assessed on 08.05.2025.

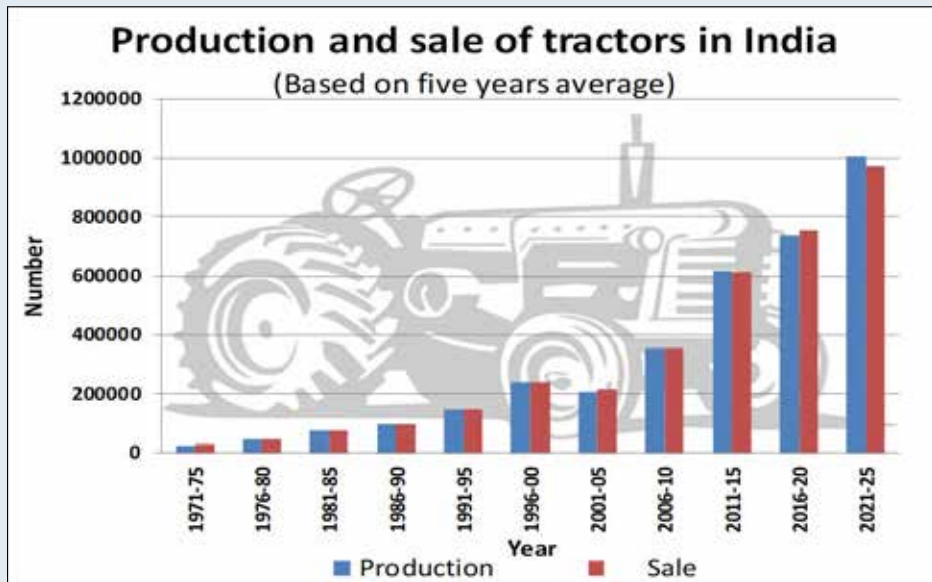


Table 6.4: Region-wise and state-wise installed capacity of electricity generation (utilities) as on 31.03.2024

(in GW)

States/UTs	Hydro	Thermal	Nuclear	RES*	Total
Chandigarh	0.00	0.00	0.00	0.07	0.07
Delhi	0.00	2.36	0.00	0.34	2.70
Haryana	0.20	4.82	0.00	1.83	6.85
Himachal Pradesh	2.91	0.00	0.00	1.08	3.99
Jammu & Kashmir	1.23	0.18	0.00	0.29	1.69
Punjab	1.24	6.92	0.00	2.07	10.24
Rajasthan	0.43	11.93	0.00	26.35	38.71
Uttar Pradesh	0.72	14.44	0.00	5.17	20.33
Uttarakhand	2.20	0.76	0.00	0.94	3.90
Chhattisgarh	0.12	16.01	0.00	1.56	17.69
Gujarat	0.77	20.23	0.00	25.23	46.23
Madhya Pradesh	1.70	11.25	0.00	6.80	19.75
Maharashtra	3.33	22.41	0.00	14.36	40.10
Daman & Diu	0.00	0.00	0.00	0.05	0.05
Dadar & Nagar Haveli	0.00	0.00	0.00	0.00	0.00
Goa	0.00	0.04	0.00	0.05	0.09
Andhra Pradesh	1.67	13.90	0.00	9.17	24.75
Telangana	2.48	7.46	0.00	5.19	15.13
Karnataka	3.63	7.11	0.00	17.75	28.49
Kerala	1.86	0.33	0.00	1.32	3.51
Tamil Nadu	2.18	9.45	0.00	19.80	31.43
Puducherry	0.00	0.03	0.00	0.05	0.08
Lakshadweep	0.00	0.03	0.00	0.00	0.03
Bihar	0.00	0.00	0.00	0.45	0.45
Jharkhand	0.13	2.25	0.00	0.19	2.57
Odisha	2.07	4.95	0.00	0.66	7.67
West Bengal	0.99	6.93	0.00	0.64	8.55
Sikkim	0.87	0.00	0.00	0.06	0.93
Andaman & Nicobar Islands	0.00	0.09	0.00	0.03	0.12
Arunachal Pradesh	0.00	0.00	0.00	0.12	0.14
Assam	0.10	0.31	0.00	0.17	0.57
Manipur	0.00	0.04	0.00	0.02	0.05
Meghalaya	0.32	0.00	0.00	0.07	0.40
Mizoram	0.00	0.00	0.00	0.08	0.08
Nagaland	0.00	0.00	0.00	0.04	0.04
Tripura	0.00	0.11	0.00	0.03	0.13
Central Sector NR	11.53	15.54	1.62	0.38	29.16
Central Sector WR	1.52	22.88	3.24	0.67	28.31
Central Sector SR #	0.00	14.85	3.32	0.54	18.71
Central Sector ER \$	1.01	23.62	0.00	0.01	24.64
Central Sector NER	1.61	2.00	0.00	0.04	3.64
Total States	31.19	164.32	0.00	142.01	337.52
Total Central	15.66	78.90	8.18	1.63	104.45
Total All India	46.85	243.22	8.18	143.64	441.97

Note : 1. \$: Damodar Valley Corporation (DVC) installed capacity is considered under central sector (ER), 2. * RES: Renewable Energy Sources excluding hydro, 3. #: Includes NLC-Central capacity also, 4. Sub-totals/Totals may not tally due to conversion to GW and rounding off.

Source : 1. Central Electricity Authority.
2. Energy Statistics 2025, Ministry of New and Renewable Energy, Govt. of India, New Delhi.

Table 6.5: State-wise annual sale of tractors

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2019-20	2020-21	2021-22	2022-23	2023-24
Andhra Pradesh	22448	35613	43758	38417	34730	35173	53175	63275	74920	37028	30243	18335	34859	33876	36638	26702
Assam	771	1120	1296	1588	3583	2430	2057	2099	2408	3557	5669	8513	14372	8018	7428	10356
Bihar	9946	11824	13104	17572	29050	26621	25987	28260	30187	36090	35402	43246	46557	37042	44227	37205
Chhattisgarh	10192	N.A.	N.A.	N.A.	N.A.	11134	9254	9221	12139	20011	16861	25184	28531	25547	28925	31762
Gujarat	23100	29651	25255	20179	24323	44099	41958	30765	44163	46411	39792	55411	75099	72344	86681	91825
Haryana	14709	20385	23627	22573	28671	28403	31533	23741	30599	30626	22685	38705	44502	47145	48933	52909
Himachal Pradesh	758	1117	891	907	1201	1404	1398	1255	1530	1519	1354	2367	2582	2097	2059	2446
Jharkhand	5676	N.A.	N.A.	N.A.	N.A.	6524	6697	6756	8349	8169	8118	8674	11579	10813	9339	10717
Jammu & Kashmir	1296	1178	1328	1115	1608	2128	2618	3577	3794	2601	2324	3659	4357	4962	3508	3703
Karnataka	25316	22455	17230	13835	23849	27244	29162	34861	40437	33758	32804	40301	54494	57138	65601	49485
Kerala	765	1848	493	374	582	671	631	570	385	268	332	747	899	1006	878	651
Madhya Pradesh	23828	19378	18242	24306	33342	48435	50597	70822	87831	63744	48375	87621	107432	100551	123620	110694
Maharashtra	17173	26070	29815	25610	34186	40951	56664	43245	46669	49839	42125	61870	86722	104301	112426	73876
Odisha	6683	7214	4993	5099	7909	12861	13277	15831	24277	10878	12668	15897	18909	16076	15653	18008
Punjab	12052	16201	18062	20027	28608	24122	26040	27900	35290	26074	17829	21399	29056	27516	28732	33899
Rajasthan	27949	34583	29456	25763	31822	53604	57191	44221	65405	64565	61193	68563	90014	84757	105815	108332
Tamil Nadu	18294	21880	16894	14609	15768	20638	26298	18448	9865	8072	14667	22436	31203	30612	32424	31437
Telangana	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	13153	41658	57335	41212	43482	27213
Uttarakhand	2321	N.A.	N.A.	N.A.	N.A.	3893	5377	4600	4969	2205	2769	2394	3330	3879	3476	3731
Uttar Pradesh	44307	48184	39682	51513	73686	76981	82613	84559	95653	92219	71527	120664	138366	117563	129865	134064
West Bengal	4337	5595	5354	6096	9186	13045	12187	12752	13756	12751	12934	20624	19485	15741	15582	15499
Others	2418	1768	1522	1983	2315	1876	2172	876	1220	1078	945	737	276	70	19	10
Export	28097	33766	43553	41142	37622	62872	70772	62890	62677	75376	77485	76054	88621	128636	124542	97828
Total	302436	339830	334555	332708	422041	545109	607658	590524	696523	626839	571249	785059	988028	970902	1069853	972332

Note : N.A.: Not available.

Source : 1. Tractor Manufacturers Association, New Delhi.

2. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.

State-wise annual sale of tractors 2023-24

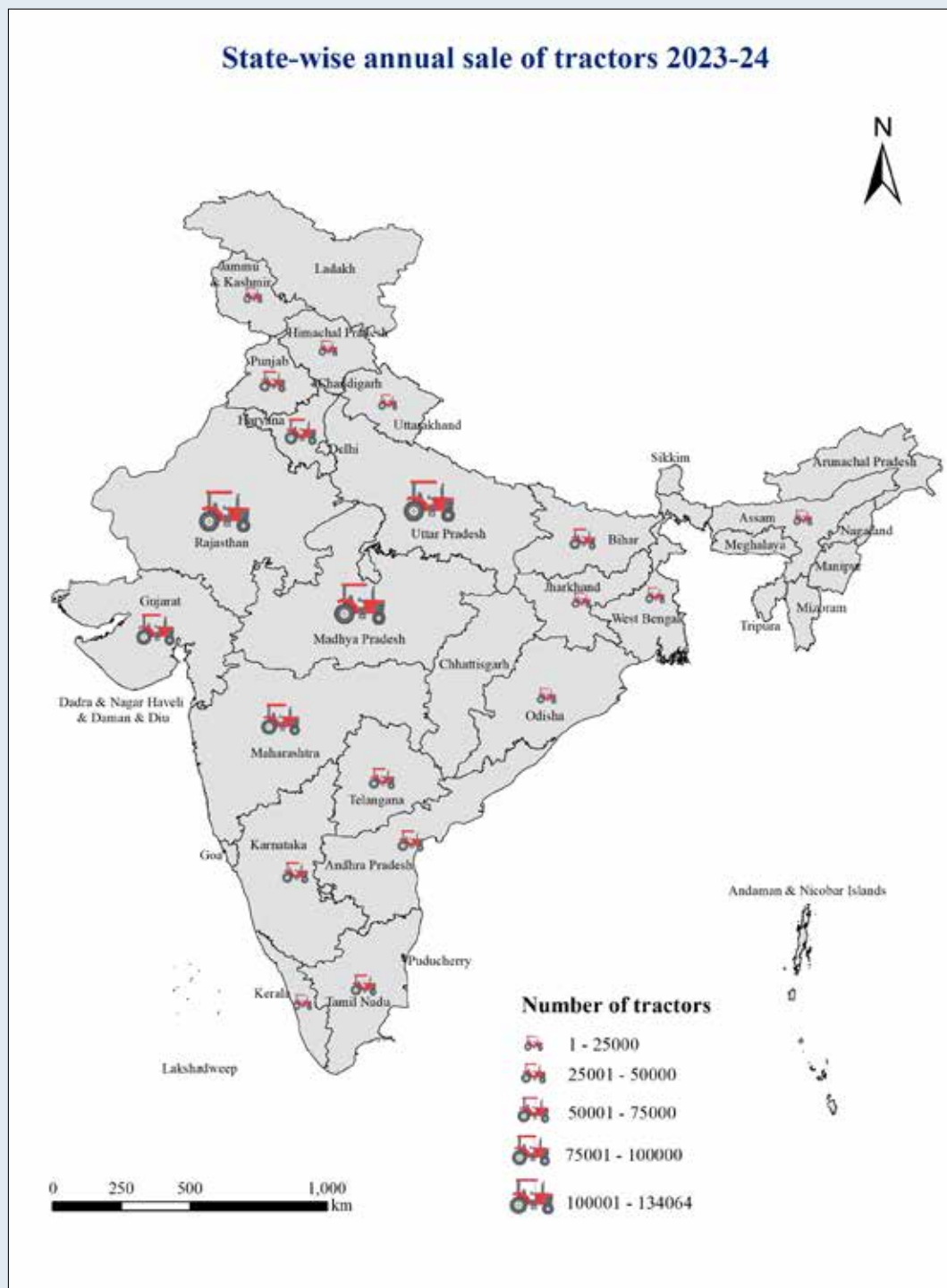


Table 6.6: Cumulative deployment of various renewable energy systems/ devices in India (as on 31.03.2025)

Sector	Cumulative Achievements
I. Grid-Interactive Power (Capacity in MW)	
Wind Power	50037.82
Solar Power	105646.49
Small Hydro Power	5100.55
Biomass (Bagasse) Cogeneration	9821.32
Biomass (non-bagasse) Cogeneration/Captive Power	921.79
Waste to Power	309.34
Waste to Energy	530.87
Total	172368.18

Source : 1. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.
 2. Ministry of New & Renewable Energy, Government of India. <https://mnre.gov.in/the-ministry/physical-progress> accessed on 08.05.2025.

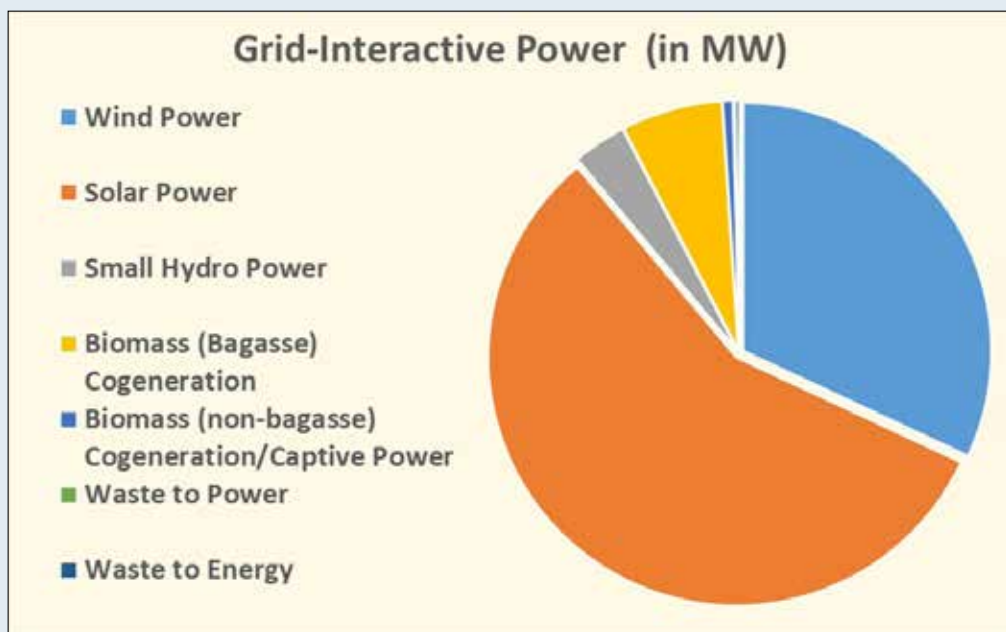


Table 6.7: Solar Pump set installed /energisation up to 31.03.2022

(Number)

Sl. No.	States/UTs	Cumulative
1	Andhra Pradesh	34045
2	Arunachal Pradesh	22
3	Assam	45
4	Bihar	2813
5	Chhattisgarh	61970
6	Goa	45
7	Gujarat	11981
8	Haryana	33901
9	Himachal Pradesh	231
10	Jammu & Kashmir	142
11	Jharkhand	11387
12	Karnataka	7734
13	Kerala	818
14	Madhya Pradesh	25047
15	Maharashtra	13741
16	Manipur	68
17	Meghalaya	54
18	Mizoram	37
19	Nagaland	3
20	Orissa	10308
21	Punjab	11079
22	Rajasthan	75748
23	Tamil Nadu	6646
24	Telangana	424
25	Tripura	572
26	Uttar Pradesh	35492
27	Uttarakhand	26
28	West Bengal	653
29	Andaman & Nicobar	5
30	Chandigarh	12
31	Delhi	90
32	Puducherry	21
33	Others states	4621
	Total	349781

Note : 1. Some of the states data is based on old data as they are not furnishing regularly.

Source : 1. Ministry of New & Renewable Energy, Government of India. <https://mnre.gov.in/the-ministry/physical-progress>. Accessed on 31.05.2022.
2. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.

Table 6.8: State-wise and source-wise installed capacity of grid interactive renewable power (2022-23 and 2023-24)

(MW)

States/ UTs	Small Hydro Power		Wind Power		Bio-Power- BM Power/Cogen		Waste to Energy		Solar Power		Total		Growth Rate (2021-22 to 2022-23)
	2022-23	2023-24	2022-23	2023-24	2022-23	2023-24	2022-23	2023-24	2022-23	2023-24	2022-23	2023-24	
Andhra Pradesh	163.31	163.31	4096.65	4096.65	483.67	491.67	82.36	82.72	4534.19	4584.98	9360	9419	0.63
Arunachal Pradesh	133.11	133.11	-	-	0.00	0.00	0.00	0.00	11.64	11.79	145	145	0.10
Assam	34.11	34.11	-	-	2.00	2.00	0.00	0.00	147.93	156.18	184	192	4.48
Bihar	70.70	70.70	-	-	124.70	138.90	1.32	1.32	192.88	239.23	390	450	15.54
Chhattisgarh	76.00	76.00	-	-	274.59	274.59	0.41	0.41	948.82	1212.39	1300	1563	20.28
Goa	0.05	0.05	-	-	0.00	0.00	0.34	1.94	26.49	43.48	27	45	69.16
Gujarat	91.64	91.64	9978.92	11722.72	77.30	77.30	33.43	35.18	9254.56	13544.88	19436	25472	31.06
Haryana	73.50	73.50	-	-	240.66	262.66	18.77	21.04	1029.16	1475.72	1362	1833	34.57
Himachal Pradesh	969.71	969.71	-	-	9.20	9.20	1.00	1.00	87.49	95.23	1067	1075	0.73
Jammu & Kashmir	146.68	169.93	-	-	0.00	0.00	0.00	0.00	49.44	65.44	196	235	20.01
Jharkhand	4.05	4.05	-	-	4.30	19.10	0.00	0.00	105.84	162.40	114	186	62.49
Karnataka	1280.73	1280.73	5294.95	6019.61	1887.30	1887.30	14.85	20.42	8241.40	8544.68	16719	17753	6.18
Kerala	266.52	276.52	62.50	63.50	2.27	2.27	0.23	0.23	761.43	1022.79	1093	1365	24.92
Ladakh	40.99	42.99	-	-	0.00	0.00	0.00	0.00	7.80	7.80	49	51	4.10
Madhya Pradesh	123.71	123.71	2844.29	2844.29	107.35	107.35	27.59	27.59	2802.14	3995.43	5905	7098	20.21
Maharashtra	381.08	382.28	5012.83	5207.98	2584.40	2584.40	56.29	58.79	4722.90	6249.67	12758	14483	13.53
Manipur	5.45	5.45	-	-	0.00	0.00	0.00	0.00	12.28	13.04	18	18	4.29
Meghalaya	32.53	55.03	-	-	13.80	13.80	0.00	0.00	4.15	4.24	50	73	44.75
Mizoram	45.47	45.47	-	-	0.00	0.00	0.00	0.00	28.02	30.31	73	76	3.12
Nagaland	32.67	32.67	-	-	0.00	0.00	0.00	0.00	3.04	3.17	36	36	0.36
Odisha	115.63	115.63	-	-	59.22	59.22	0.00	0.00	453.17	495.63	628	670	6.76
Punjab	176.10	176.10	-	-	496.15	531.29	26.12	35.96	1167.26	1324.27	1866	2068	10.83

(MW)

States/ UTs	Small Hydro Power		Wind Power		Bio-Power- BM Power/Cogen		Waste to Energy		Solar Power		Total		Growth Rate (2021-22 to 2022-23)
	2022-23	2023-24	2022-23	2023-24	2022-23	2023-24	2022-23	2023-24	2022-23	2023-24	2022-23	2023-24	
Rajasthan	23.85	23.85	5193.42	5195.82	121.25	121.25	3.83	4.39	17055.70	21347.58	22398	26693	19.18
Sikkim	55.11	55.11			0.00	0.00	0.00	0.00	4.69	7.04	60	62	3.93
Tamil Nadu	123.05	123.05	10017.17	10603.54	1012.65	1012.65	31.05	32.80	6736.43	8211.38	17920	19983	11.51
Telangana	90.87	90.87	128.10	128.10	160.10	161.40	60.27	60.27	4666.03	4758.16	5105	5199	1.83
Tripura	16.01	16.01	-	-	0.00	0.00	0.00	0.00	17.60	18.46	34	34	2.56
Uttar Pradesh	49.10	49.10	-	-	2118.26	2122.76	98.47	103.38	2515.22	2920.33	4781	5196	8.67
Uttarakhand	218.82	218.82	-	-	130.22	132.72	9.22	9.52	575.53	575.53	934	937	0.30
West Bengal	98.50	98.50	-	-	338.62	343.52	4.48	4.84	179.97	194.07	622	641	3.11
Andaman & Nicobar	5.25	5.25	-	-	0.00	0.00	0.00	0.00	29.91	29.91	35	35	0.00
Chandigarh	-	-	-	-	0.00	0.00	0.00	0.00	58.69	65.52	59	66	11.64
Dadar & Nagar Haveli	-	-	-	-	0.00	0.00	0.00	0.00	46.47	46.47	46	46	0.00
Daman & Diu	-	-	-	-	-	-	-	-	-	-	0	0	-
Delhi	-	-	-	-	0.00	0.00	84.00	84.00	218.26	256.51	302	341	12.65
Lakshwadeep	-	-	-	-	0.00	0.00	0.00	0.00	3.27	4.97	3	5	51.99
Puducherry	-	-	-	-	0.00	0.00	0.00	0.00	35.53	49.91	36	50	40.47
Others	-	-	4.30	4.30	0.00	0.00	0.00	0.00	45.01	45.01	49	49	0.00
All India Total	4944	5003	42633	45887	10248	10355	554	586	66780	81814	125160	143645	14.77
Distribution (%)	4.0	3.5	34.1	31.9	8.2	7.2	0.4	0.4	53.4	57.0	100	100	-

Note : 1. -: Not available, 2. Bagasse Cogeneration available for 2018-19, 3. The potential of Solar Power (100 GW) is estimated at 30-50 MW/Sq.cm. of open, shadow free area, 4. Solar potential as per NISE.

Source : 1. Energy Statistics 2025, Ministry of New and Renewable Energy, Govt. of India.

2. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.

Table 6.9: Installation of off-grid/decentralised renewable energy systems/devices (as on 31.03.2024)

State/UT	Biogas Plants (Nos.)	SPV Pumps (Nos.)	Solar Photovoltaic (SPV Systems)				Waste to Energy** (MW)
			SLS (Nos.)	HLS (Nos.)	SL (Nos.)	PP (K WP)	
Andhra Pradesh	268628	34045	16460	22972	77803	3816	30
Arunachal Pradesh	3686	221	25008	35065	218551	963	-
Assam	139435	45	29538	46879	647761	1605	-
Bihar	130091	2813	54147	12303	1735227	6905	1
Chhattisgarh	60717	119282	4538	42232	3311	31373	0
Goa	4245	45	707	393	1093	33	-
Gujarat	438320	14920	5004	9253	31603	13577	28
Haryana	64092	88937	34625	56727	93853	2321	10
Himachal Pradesh	47718	644	98800	22592	33909	1906	1
Jammu & Kashmir	3201	877	39076	144316	51224	8130	-
Jharkhand	7890	17655	14344	9450	790515	3770	-
Karnataka	516091	7734	5694	52638	7781	7854	19
Kerala	154879	826	1735	41912	54367	16268	0
Ladakh	-	-	-	-	-	-	-
Madhya Pradesh	383347	25138	16808	7920	529101	3654	12
Maharashtra	939275	91408	10420	3497	239297	3858	46
Manipur	2128	118	32767	24583	69722	1581	-
Meghalaya	11156	101	5800	14874	97360	2004	-
Mizoram	5857	37	20325	12060	155217	3895	-
Nagaland	7954	68	16045	1045	30766	1506	-
Odisha	271932	10962	19109	5274	99843	2321.5	-
Punjab	189148	17534	43758	8626	17495	2066	25

State/UT	Biogas Plants (Nos.)	SPV Pumps (Nos.)	Solar Photovoltaic (SPV Systems)				Waste to Energy** (MW)
			SLS (Nos.)	HLS (Nos.)	SL (Nos.)	PP (KWP)	
Rajasthan	73145	118784	8934	187968	225851	30449	4.4
Sikkim	9044	-	504	15059	45200	850	-
Tamil Nadu	224148	8695	41419	298641	16818	13053	26
Telangana	316870	424	2458	-	142000	7450	14
Tripura	4132	2268	15517	32723	364012	867	-
Uttar Pradesh	441447	60862	302532	235909	2351205	10638	103
Uttarakhand	366083	344	43803	91595	165071	4060	10
West Bengal	1216	653	18203	145332	17662	1730	5
Andaman & Nicobar	97	5	1490	468	6296	167	-
Chandigarh	169	12	901	275	1675	730	-
Dadar & Nagar Haveli	681	-	-	-	-	-	-
Daman & Diu	-	-	-	-	-	-	-
Delhi	587	90	301	-	4807	1269	-
Lakshadweep	-	-	4465	600	5289	2190	-
Puducherry	17541	21	417	25	1637	121	-
Others*	-	4621	9150	140273	125797	23885	-
Total	5104950	630189	944802	1723479	8459119	216863	336

Note : 1. *: Others include installations through NGOs/IREDA in different states, 2. SLS = Street Lighting System, 3. HLS = Home Lighting System, 4. SL = Solar Lantern, 5. PP = Power Plants, 6. SPV = Solar Photovoltaic, 7. SHP = Small Hydro Power, 8. MW = Mega Watt, 9. KWP = Kilowatt peak, 10. -: Not available.

Source : 1. Energy Statistics 2025, Ministry of New and Renewable Energy, Govt. of India.

2. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.

Table 6.10: Source-wise and state-wise estimated potential of renewable power in India during 2023-24

(MW)

State/UT	Wind Power @ 150 m	Small Hydro Power	Biomass Power	Cogenerat- ion bagasse	Waste to Energy*	Solar energy	Large Hydro	Total	Distribution (%)
Andhra Pradesh	123336	409	1999	280		38440	2596	167060	7.92
Arunachal Pradesh	246	2065	18	0		8650	50394	61373	2.91
Assam	459	202	322	0		13760	643	15386	0.73
Bihar	4023	527	964	347		11200	130	17191	0.81
Chhattisgarh	2749	1098	354	0		18270	1311	23782	1.13
Goa	14	5	33	0		880	0	932	0.04
Gujarat	180790	202	2638	555		35770	550	220505	10.45
Haryana	593	107	1353	362		4560	0	6976	0.33
Himachal Pradesh	239	3460	70	0		33840	18305	55914	2.65
Jammu & Kashmir (including Ladakh)	1(Ladakh)	1707	83	0		111050	12972	125813	5.96
Jharkhand	16	228	146	0		18180	300	18870	0.89
Karnataka	169251	3726	1794	1762		24700	4414	205648	9.75
Kerala	2621	647	778	0		6110	2473	12629	0.60
Madhya Pradesh	55423	820	2516	0		61660	2819	123239	5.84
Maharashtra	173868	786	2630	3917		64320	3144	248665	11.79
Manipur	0	100	62	0		10630	615	11407	0.54
Meghalaya	55	230	69	0		5860	2026	8240	0.39
Mizoram	0	169	3	0		9090	1927	11189	0.53
Nagaland	0	182	54	0		7290	325	7851	0.37
Odisha	12129	286	299	0		25780	2825	41318	1.96
Punjab	428	578	3022	414		2810	1301	8554	0.41
Rajasthan	284250	52	1300	0		142310	411	428322	20.30
Sikkim	0	267	5	0		4940	6051	11262	0.53
Tamil Nadu	95107	604	1560	639		17670	1785	117366	5.56
Telangana	54717	102	1678	117		20410	1302	78327	3.71
Tripura	0	47	34	0		2080	0	2161	0.10
Uttar Pradesh	510	461	2800	4926		22830	502	32028	1.52
Uttarakhand	49	1664	93	215		16800	13451	32303	1.53
West Bengal	1281	392	1742	0		6260	809	10484	0.50
Andaman & Nicobar Islands	1245	7	18	0		0	0	1270	0.06
Chandigarh	0	0	0	0		0	0	0	0.00
DNHDD	17	0	2	0		0	0	19	0.00
Delhi	0	0	0	0		2050	0	2050	0.10
Lakshadweep	31	0	1	0		0	0	32	0.00
Puducherry	408	0	5	0		0	0	413	0.02
Others \$	0	0	0	284		790	0	1074	0.05
All India Total	1163856	21134	28447	13818		748990	133410	2109655	100
Distribution (%)	55.17	1.00	1.35	0.66		35.50	6.32	100.0	-

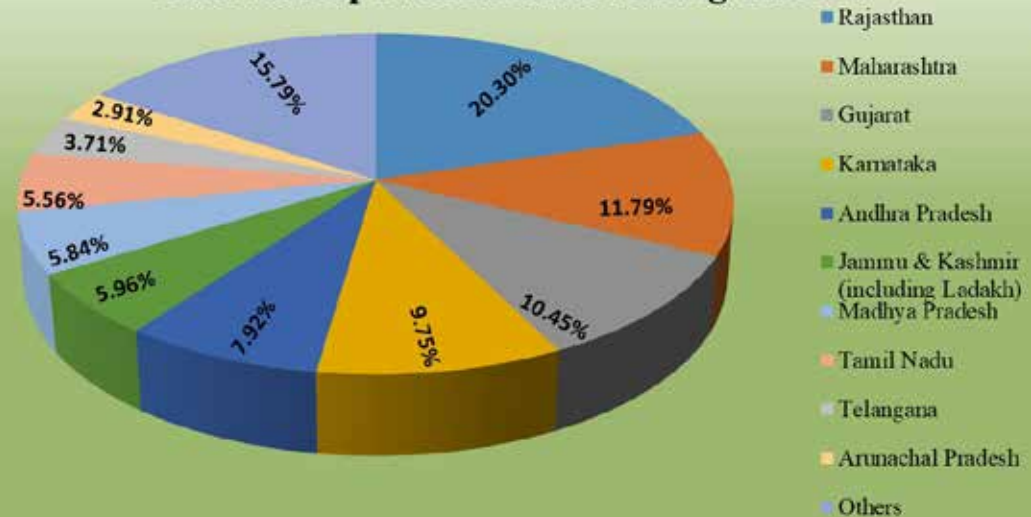
Note : 1. *: Industrial waste, 2. \$: Others includes installations through NGOs/IREDA in different states.

Source : 1. Ministry of New and Renewable Energy, Govt. of India.

2. Energy Statistics 2025, Ministry of New and Renewable Energy, Govt. of India, New Delhi.

3. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.

State-wise percentage distribution of estimated potential of renewable power in India during 2023-24



Source-wise percentage distribution of estimated potential of renewable power in India during 2022-23

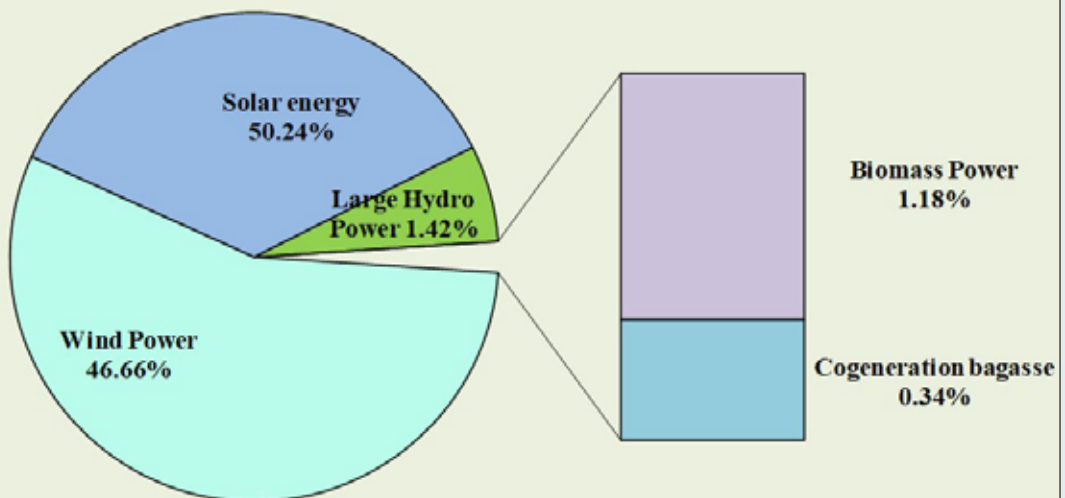


Table 6.11: Consumption of electricity by various sectors in India

(in Giga Watt Hour)

Year	Industry	Agriculture	Domestic	Commercial	Traction & Railways	Others	Total Electricity Consumed
2009-10	2,36,752	1,20,209	1,46,080	60,600	12,408	36,595	6,12,645
2010-11	2,72,589	1,31,967	1,69,326	67,289	14,003	39,218	6,94,392
2011-12	3,52,291	1,40,960	1,71,104	65,381	14,206	41,252	7,85,194
2012-13	3,65,989	1,47,462	1,83,700	72,794	14,100	40,256	8,24,301
2013-14	3,84,418	1,52,744	1,99,842	74,247	15,540	47,418	8,74,209
2014-15	4,18,346	1,68,913	2,17,405	78,391	16,177	49,289	9,48,522
2015-16	4,23,523	1,73,185	2,38,876	86,037	16,594	62,976	10,01,191
2016-17	4,40,206	1,91,151	2,55,826	89,825	15,683	68,493	10,61,183
2017-18	4,68,613	1,99,247	2,73,545	93,755	17,433	70,834	11,23,427
2018-19	5,19,196	2,13,409	2,88,243	98,228	18,837	72,058	12,09,972
2019-20	5,32,820	2,11,295	3,08,745	1,06,047	19,148	70,031	12,48,086
2020-21	5,08,776	2,21,303	3,30,809	86,950	14,668	67,701	12,30,208
2021-22	5,33,500	2,29,000	3,34,000	1,07,500	19,800	72,500	12,96,300
2022-23	5,95,000	2,40,800	3,62,000	1,05,100	25,000	75,500	14,03,400
2023-24*	6,45,000	2,55,000	3,75,000	1,25,000	33,000	1,10,000	15,43,000
Distribution (%)	41.80	16.53	24.30	8.10	2.14	7.13	100.00
Growth rate of 2023-24 over 2022-23(%)	8.61	4.57	6.19	6.63	9.90	7.69	7.13
CAGR 2014-15 to 2023-24 (%)	4.93	4.68	6.24	5.32	8.24	9.33	5.56

Note : *: Provisional.

Source : 1. Central Electricity Authority.
 2. Energy Statistics 2025, Ministry of New and Renewable Energy, Govt. of India, New Delhi.
 3. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.

Table 6.12: State-wise processing of Lac in India *

(ton)

State	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22@
West Bengal	9308	4710	5524	7289	7002	9120	5600
Chhattisgarh	3815	5270	3618	3989	4065	4310	3750
Jharkhand	3650	4594	4091	4380	4670	4820	4100
Maharashtra	1430	1776	1685	1740	1850	1810	1700
Madhya Pradesh	200	380	720	555	650	630	600
Others	383	248	518	737	510	686	500
Total	18786	16978	16156	18690	18747	21376	16250

Note : 1. *: Includes the quantity of imported and carry over Lac in India, 2. @: 2nd Advance Estimates,

Source : Information received from ICAR-Indian Institute of Natural Resins and Gums, Namkum, Ranchi.

Table 6.13: Source-wise power generation from renewable energy sources in India

(in Million Units)

Source	Wind	Solar	Biomass	Bagasse	Small Hydro	Large Hydro	Others	Total
2014-15	33768.31	4599.01	3159.85	11784.64	8059.50	-	413.60	61784.91
2015-16	33029.39	7447.92	3727.21	12953.29	8354.51	-	268.53	65780.85
2016-17	46004.34	13498.87	4198.33	9950.15	7924.62	-	292.38	81868.69
2017-18	52666.09	25871.07	3404.95	11847.35	7691.58	-	358.45	101839.49
2018-19	62036.38	39268.20	2763.82	13562.67	8702.75	-	425.28	126759.10
2019-20	64646.37	50131.10	2937.96	10804.46	9451.22	-	365.90	138337.02
2020-21	60149.95	60402.25	3512.98	11302.85	10258.41	-	1621.06	147247.51
2021-22	68640.07	73483.94	3482.70	12573.88	10463.54	-	2268.17	170912.30
2022-23	71814.16	102214.24	3161.32	12863.16	11170.11	-	2529.18	203552.17
2023-24	83385.35	115975.1	3417.19	10825.6	9485.03	134054.3	2746.55	339701.10

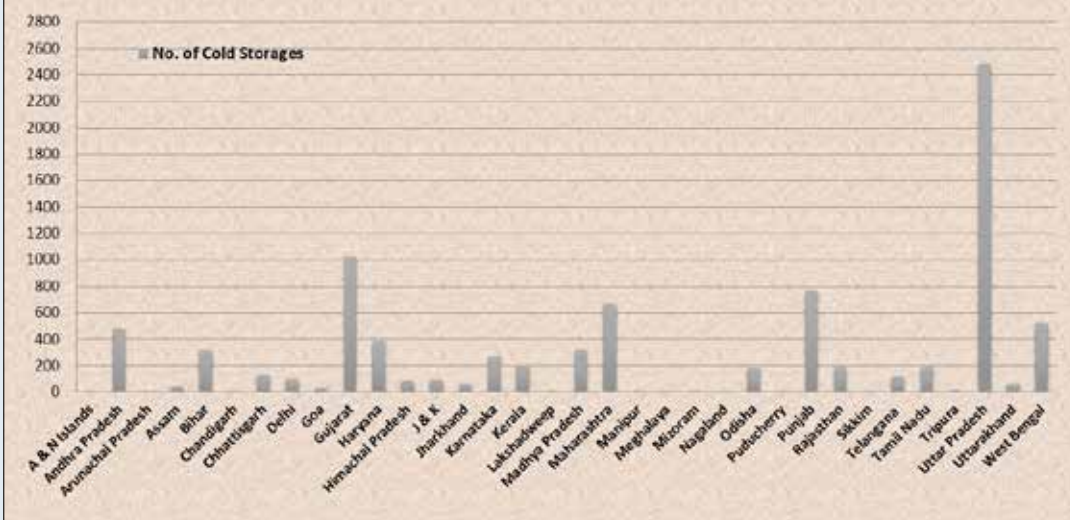
Source : 1. [www.indiastat.com](https://www.indiastat.com/table/physical-progress-of-various-renewable-energy-programmes/power-generation-various-renewable-sources-energy-/1227215); <https://www.indiastat.com/table/physical-progress-of-various-renewable-energy-programmes/power-generation-various-renewable-sources-energy-/1227215>. Accessed on 08.05.2025.
 2. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.

**Table 6.14: State-wise number of cold storages with capacity in India
(as on 30.01.2025)**

States/UTs	Number of cold storages	Capacity (MT)
Andaman and Nicobar Islands	4	2210
Andhra Pradesh	480	1996340
Arunachal Pradesh	2	6000
Assam	43	206742
Bihar	316	1490200
Chandigarh	7	12462
Chhattisgarh	130	577663
Delhi	97	129857
Goa	29	7705
Gujarat	1023	4042770
Haryana	386	870703
Himachal Pradesh	89	181318
Jammu and Kashmir	92	151833
Jharkhand	59	242655
Karnataka	268	912417
Kerala	202	96655
Lakshadweep	1	15
Madhya Pradesh	320	1381827
Maharashtra	665	1219851
Manipur	2	4500
Meghalaya	4	8200
Mizoram	3	4071
Nagaland	5	8150
Odisha	182	579321
Puducherry	4	185
Punjab	770	2604206
Rajasthan	190	648908
Sikkim	2	2100
Tamil Nadu	188	399690
Telangana	116	617131
Tripura	14	46354
Uttar Pradesh	2488	15096476
Uttarakhand	62	206848
West Bengal	517	5952997
All India	8760	39708361

Source : 1. Lok Sabha Starred Question No. 140 answered on 12th December 2023.
 2. Ministry of Agriculture & Farmers Welfare, Govt. of India. (ON2729).
 3. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.

State-wise number of cold storages in India as on 30.01.2025



State-wise capacity of cold storages in India as on 30.01.2025

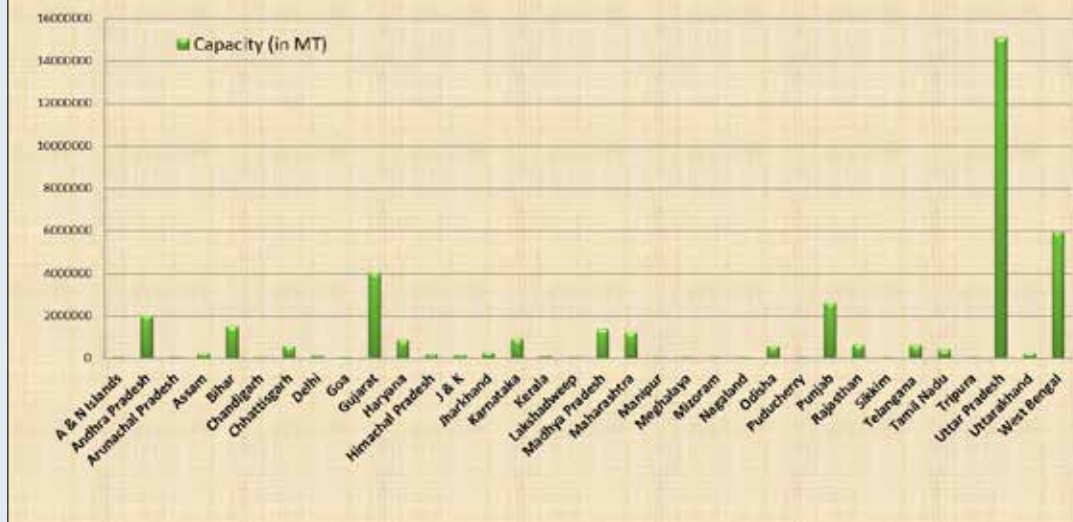


Table 6.15: Capacity-wise models of tractors and power tillers available in India (as on March 2020)

S.No.	Tractor company/model	Capacity (hp)
1.0	New Holland Tractors, Gautam Budh Nagar, Uttar Pradesh (https://agriculture.newholland.com)	
1.1	Tractor Model-3032 NX	34
1.2	Tractor Model-3510	33
1.3	Tractor Model-3037 NX	35
1.4	Tractor Model-3037 TX	35
1.5	Tractor Model-4010	35
1.6	Tractor Model-3230 NX	39
1.7	Tractor Model-3230 TX	38
1.8	Tractor Model-3230 TX Super	38
1.9	3600-TX Heritage Edition	43
1.10	3600-TX Super Heritage Edition	47
1.11	Tractor Model-4710	43
1.12	Tractor Model Excel-4710	43
1.13	3600-2 Excel	49.5
1.14	3600-2 TX All Rounder Plus	49.5
1.15	3630 TX Super Plus+2WD & 4WD	49.5
1.16	Excel 5510	49.5
1.17	3630 TX Plus+	55
1.18	3630 TX Special Edition	55
1.19	5500 Turbo Super	55
1.20	5620 TX Plus	65
1.21	Excel 6510	65
1.22	6500 Turbo Super	65
1.23	5630 TX Plus	75
1.24	7500 Turbo Super	75
1.25	Excel 7510	75
1.26	Excel 8010	80
1.27	Excel 9010	90
1.28	TD 5.90	90
2.0	Tractors & Farm Equipment Ltd (Massey Fergusson), Chennai, Tamil Nadu (https://tafettractors.com)	
2.1	TAFE 1002	100
2.2	TAFE 1015	100
2.3	TAFE 9502	90
2.4	TAFE 9515	90

S.No.	Tractor company/model	Capacity (hp)
2.5	TAFE 8502	80
2.6	TAFE 8515	80
2.7	TAFE 7502	75
2.8	TAFE 7515	75
2.9	TAFE 6530	63
2.10	TAFE 5900 DI	60
2.11	TAFE 6015	60
2.12	TAFE 6300 DI	60
2.13	TAFE 9500	58
2.14	TAFE 5450 DI	52
2.15	TAFE 8055	52
2.16	TAFE 42 DI EU	47
2.17	TAFE 45 DI	47
2.18	TAFE 45 DI EU	47
2.19	TAFE 7250 DI	47
2.20	TAFE 241 DI	42
2.21	TAFE 42 DI	42
2.22	TAFE 1038 DI	38
2.23	TAFE 35 DI	36
2.24	Mega Series TAFE 1015	100
2.25	TAFE 9515	90
2.26	TAFE 8515	80
2.27	TAFE 7515	75
2.28	TAFE 6015	60
2.29	HERITAGE SERIES TAFE 1002	100
2.30	TAFE 9502	90
2.31	TAFE 8502	80
2.32	TAFE 7502	75
2.33	TAFE 6530	63
2.34	TAFE 5900 DI	60
2.35	TAFE 6300 DI	60
2.36	TAFE 9500	58
2.37	TAFE 5450 DI	52
2.38	TAFE 8055	52
2.39	TAFE 42 DI EU	47
2.40	TAFE 45 DI	47
2.41	TAFE 45 DI EU	47
2.42	TAFE 7250 DI	47

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S.No.	Tractor company/model	Capacity (hp)
2.43	TAFE 241 DI	42
2.44	TAFE 42 DI	42
2.45	TAFE 1038 DI	38
2.46	TAFE 35 DI	36
3.0	Mahindra Gujarat Tractors, Vadodara, Gujarat (https://www.mahindratractor.com)	
3.1	Mahindra 475 DI	42
3.2	Mahindra Yuvo 475DI	42
3.3	Mahindra JIVO 225 DI	20
3.4	Mahindra Yuvraj 215 NXT	15
3.5	Mahindra 225 DI Power Plus	25
3.6	Mahindra 265 DI	30
3.7	Mahindra Yuvo 275 DI	35
3.8	Mahindra 265 DI Power Plus	35
3.9	Mahindra 275 DI Eco	35
3.10	Mahindra Yuvo 415 DI	40
3.11	Mahindra 415 DI	40
3.12	Mahindra Yuvo 575 DI	45
3.13	Mahindra 585 DI	50
3.14	Arjun Novo 605 DI-I	57
3.15	Arjun Novo 605 DI-I-4	57
3.16	Arjun Novo 605 DI-I with ac cabin	57
4.0	Escort Tractors, Faridabad, Haryana (https://www.escortsgroup.com)	
4.1	Escort Steeltrac	9.7
4.2	EscroPowertrac 425	25
4.3	Escort Powertrac 425 N	25
4.4	Escort Powertrac 425 DS	25
4.5	Escort Farmtrac ATOM 26	26
4.6	Escort Ferrari K30 RS 4WD	26
4.7	Escort Powertrac 434 Ds Super Saver	34
4.8	Escort Powertrac 434	34
4.9	Escort Powertrac 434 DS	34
4.10	Escort Farmtrac XP-37 Champion	36
4.11	Escorts Powertrac434 DS Plus Euro 37	37
4.12	Escorts Powertrac ALT 3500	37
4.13	Escorts Powertrac Euro 37	37
4.14	Escorts Powertrac 434-PLUS	37
4.15	Escorts Powertrac 437	39
4.16	Escorts Powertrac 439 DS Super Saver 4WD	39

S.No.	Tractor company/model	Capacity (hp)
4.17	Escorts Powertrac 439 DS Plus	41
4.18	Escorts Powertrac ALT 4000	41
4.19	Escorts Farmtrac XP-41 Champion	41
4.20	Escorts Powertrac 439 DS Diesel Saver	41
4.21	Escorts powertrac Euro 41 4WD	41
4.22	Escorts Powertrac 439-PLUS	41
4.23	Escorts Farmtrac 45 CL VM PS	44
4.24	Escorts Powertrac EURO 42 PLUS	44
4.25	Escorts Farmtrac Champion XP 44	44
4.26	Escorts Powertrac 445 DS 4 WD	44
4.27	Escorts Powertrac Euro 45	45
4.28	Escorts Farmtrac 6045	45
4.29	Escorts Farmtrac 45 Classic	45
4.30	Escorts Farmtrac 45 Smart	45
4.31	Escorts Powertrac EURO 41 PLUS	45
4.32	Escorts Farmtrac 45 Executive Ultramaxx	47
4.33	Escorts Powertrac Euro 45 Plus 4 WD	47
4.34	Escorts Powertrac Euro 45 Plus	47
4.35	Escorts Farmtrac 60 Classic Valuemaxx	47
4.36	Escorts Powertrac 445 PLUS	47
4.37	Escorts Farmtrac 45 EPI Classic Pro (48 Hp , 14.9 T)	48
4.38	Escorts Farmtrac 60 EPI	49
4.39	Escorts Farmtrac 6055 Classic	50
4.40	Escorts Farmtrac 6055 Classic T 20	50
4.41	Escorts Farmtrac 6055 Classic F 20	50
4.42	Escorts Farmtrac 60 Classic Supermax	50
4.43	Escorts Farmtrac 6050	50
4.44	Escorts Farmtrac 6050 4X4 4WD	50
4.45	Escorts Powertrac Euro 50	50
4.46	Escorts Farmtrac 60 Classic	50
4.47	Escorts Farmtrac 60 EPI T20	50
4.48	Escorts Farmtrac 60 EPI F20	50
4.49	Escorts Powertrac EURO 4455	50
4.50	Escorts Powertrac Euro 55	55
4.51	Escorts Powertrac 4455 DS + Euro	55
4.52	Escorts Farmtrac 6055 T20	55
4.53	Escorts Powertrac 4455 BT	55
4.54	Escorts Farmtrac 6060 Executive 4x4	60

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S.No.	Tractor company/model	Capacity (hp)
4.55	Farmtrac 6055 POWERMAXX	60
4.56	Escorts powertrac 4455 BT+	60
4.57	Escorts Powertrac Euro 60	60
4.58	Escorts Farmtrac 6060 Executive	60
4.59	Escorts Farmtrac 6065 Supermaxx	65
4.60	Escorts Farmtrac 6065 Ultramaxx	65
4.61	Escorts Farmtrac 6065 Executive 4x4	65
4.62	Escorts Farmtrac 6080 Pro	80
5.0	EICHER Tractors, Mandideep, Madhya Pradesh (https://eichertractors.in)	
5.1	Eicher 188	18
5.2	Eicher 5660	50
5.3	Eicher 557	50
5.4	Eicher 551	49
5.5	Eicher 548	48
5.6	Eicher 485	45
5.7	Eicher 480	42
5.8	Eicher 380	40
5.9	Eicher 368	38
5.10	Eicher 333 Super Plus	36
5.11	Eicher 364	35
5.12	Eicher 333	36
5.13	Eicher 312	30
5.14	Eicher 241	25
5.15	Eicher 242	25
6.0	HMT Tractors, Panchkula, Haryana (http://www.hmtindia.com)	
6.1	HMT 2522	25
6.2	HMT 3022	30
6.3	HMT 3522	35
6.4	HMT 4511	45
6.5	HMT 5911	58
6.6	HMT 7511	75
6.7	HMT 2522 OS	25
6.8	HMT 3522 CS	35
6.9	HMT 3522 DX	35
6.10	HMT 4511 CS	45
6.11	HMT 4922 EDI	49
7.0	John Deere (India) Tractors, Pune, Maharashtra (https://www.deere.co.in)	
7.1	5038 D	38

S.No.	Tractor company/model	Capacity (hp)
7.2	5310	55
7.3	5036 C	35
7.4	5039 C	39
7.5	5041 C	41
7.6	5042 C	42
7.7	5039 D	39
7.8	5042 D	42
7.9	5045 D	45
7.10	5050 D	50
7.11	5050 E	50
7.12	5055 E	55
7.13	5060 E	60
7.14	5065 E	65
7.15	5036 D	36
7.16	5105	40
7.17	5039 D Power Pro	44
7.18	5042 D Power Pro	46
7.19	5045 D Power Pro	46
7.20	5205	48
7.21	5050 D	50
7.22	5305 D	55
7.23	5210 GearPro 2WD & 4WD	50
7.24	5210 2Wd & 4WD	50
7.25	5310 2WD & 4WD	55
7.26	5060 2WD & 4WD	60
7.27	5405 2WD & 4WD	63
7.28	5065 2WD & 4WD	65
7.29	5075 2WD & 4WD	75
7.30	3022 EN 4WD	28
7.31	3036 EN 4WD	36
7.32	3036 E 4WD	36
7.33	6110 B 4WD	110
7.34	6120 B 4 WD	120
8.0	Punjab Tractors Limited (Swaraj), SAS Nagar, Punjab (https://www.swarajtractors.com)	
8.1	Swaraj Tractors 735FE	39
8.2	Swaraj Tractors 855FE	55
8.3	Swaraj Tractors 744FE	48
8.4	Swaraj Tractors 735FE(old)	39

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S.No.	Tractor company/model	Capacity (hp)
8.5	Swaraj Tractors 834FE	34
8.6	Swaraj Tractors 724FE	26.5
8.7	Swaraj Tractors 722 Super	24.5
8.8	Swaraj Tractors 841 XM	41
8.9	Swaraj Tractors 843 XM	43
9.0	Sonalika international Tractors, Hoshiarpur, Punjab (https://www.sonalika.com)	
9.1	Sonalika Tractors DI-60	60
9.2	Sonalika Tractors DI-730 II	30
9.3	Sonalika Tractors DI-750 II	50
9.4	Sonalika Tractors DI-75 4WD	75
9.5	Sonalika Tractors DI-740III	40
9.6	Sonalika Tractor DI-60 Senior	60
9.7	Sonalika Tractor DI-60 4WD	60
9.8	Sonalika Tractor DI-35	35
9.9	Sonalika Tractor DI-745III	45
9.10	Baagban	30
9.11	DI 734(S1)	34
9.12	DI 734 S3	35
9.13	DI 35 S3	39
9.14	DI 740 III S3	45
9.15	DI 740 S3 Super	41.63
9.16	Sonalika Tractors DI-750 III	55
9.17	DI 745 III PP	45-50
9.18	DI 42RX	45
9.19	DI 47RX	50
9.20	DI 750III RX	55
9.21	DI 35 Rx	39
9.22	DI 745 III Rx PP	45-50
9.23	Worldtrac 75 RX 2W / 4W	75
9.24	Worldtrac 90 RX 2W / 4W	90
9.25	DI 740 III	44
9.26	DI 42 RX	45
9.27	DI-35	39
9.28	DI-42	42
9.29	RX-42	42
9.30	Mileage Master+39 (For Haryana)	39-40
9.31	Mileage Master+39 DI	39-40
9.32	Mileage Master 35 DI	35-37

S.No.	Tractor company/model	Capacity (hp)
9.33	DI 42 Chhatrapari	42
9.34	RX 42 Mahabali	42
10.0	Force Tractors,Pune, Maharashtra (https://www.forcemotors.com)	
10.1	BALWAN 400	40
10.2	BALWAN 450	45
10.3	BALWAN 500	50
10.4	ORCHARD MINI	27
10.5	ORCHARD DLX	27
10.6	ORCHARD MINI	27
10.7	SANMAN 5000	45
10.8	SANMAN 6000	50
10.9	SANMAN 6000 LT	50
10.10	ABHIMAN 4X4	27
11.0	Indo-Farm Tractors & Motors Ltd., Solan, Himachal Pradesh (https://www.indofarm.in)	
11.1	INDO FARM 1022 4WD	22
11.2	INDO FARM 1026 4WD	26
11.3	INDO FARM 2030 DI 2WD	34
11.4	INDO FARM 2035 DI 2WD	38
11.5	INDO FARM 2042 DI 2WD	45
11.6	INDO FARM 3035 DI 2WD	38
11.7	INDO FARM 3040 DI 2WD	45
11.8	INDO FARM 3048 DI 2WD/4WD	50
11.9	INDO FARM 3055 NV 2WD/4WD	55
11.10	INDO FARM 3055 DI 2WD/4WD	60
11.11	INDO FARM 3065 DI 2WD/4WD	65
11.12	INDO FARM 3075 DI 2WD/4WD	75
11.13	INDO FARM 3090 DI 2WD/4WD	90
11.14	INDO FARM 4175 DI 2WD/4WD	75
11.15	INDO FARM 4190 DI 2WD/4WD	90
11.16	INDO FARM 4110 DI 2WD/4WD	110
12.0	Captain Tractors Pvt. Ltd, Rajkot, Gujarat (https://captaintractors.com)	
12.1	120 DI	15
12.2	120 DI 4WD	15
12.3	200 DI 2WD	20
12.4	200 DI 4WD	20
12.5	250 DI	25
12.6	250 DI 4WD	25
12.7	273 4D (Stage V) Turf Tyre	25

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S.No.	Tractor company/model	Capacity (hp)
12.8	273 4D (Stage V) Agri Tyre	25
12.9	273 4D (Stage V) Flotation Tyre	25
12.10	273 4D (Stage V) Wider Agri Tyre	25
12.11	280 4D	28
12.12	280 DX	28
13.0	VST Tillers Tractors LTD, Bangalore, Karnataka (https://www.vsttractors.com)	
13.1	VST Shakti 932 DI	30
13.2	VST Shakti MT270 High Torque	27
13.3	VST Shakti Viraj XP 9054 DI	50
13.4	VST Shakti Viraj XT 9045 DI	45
13.5	VST Shakti Viraj X5 9042 DI	39
13.6	VSTShakti 5025 R Branson	47
13.7	VST Shakti MT 270 Viraat 4W Plus	27
13.8	VST Shakti MT 225	22
13.9	VST Shakti MT 224 1D	22
13.10	VST Mitsubishi Shakti VT 224 10	22
13.11	VST Shakti VT-180 D HS/JAI-4W	18.5
13.12	VST Shakti MT 171 DI Samraat	17
14.0	PREET Tractors, Nabha,Punjab (https://www.preet.co)	
14.1	PREET 2549 2WD/4WD	25
14.2	PREET 3049 2WD/4WD	30
14.3	PREET 3549 2WD/4WD	35
14.4	PREET 4049 2WD/4WD	40
14.5	PREET 4549 2WD	45
14.6	PREET 955 2WD/4WD	50
14.7	PREET 6049 2WD/4WD	60
14.8	PREET 6549 2WD/4WD	65
14.9	PREET 7549 2WD/4WD	75
14.10	PREET 8049 2WD/4WD	80
14.11	PREET 4549 CR 4WD	45
14.12	PREET 9049	90
14.13	PREET 9049 AC	90
14.14	PREET 10049 AC	100
15.0	SAS Motors Limited, New Delhi (http://www.sasmotors.net)	
15.1	Angad 240-DI	22
16.0	Action Construction Equipment (Tractors Division), Faridabad, Haryana	
16.1	ACE350	
16.2	ACE450	

S.No.	Tractor company/model	Capacity (hp)
17.0	Amar Tractors, Ludhiana, Punjab (https://amaragri.com)	
17.1	Amar 240DI	
18.0	Jayant Agro Industries, Rajkot, Gujarat	
18.1	Mini Tractor	12
19.0	Standards Combines(Tractor Division), Barnala, Punjab (https://standardcorp.in)	
19.1	Standard Tractor DI-335	35
19.2	Standard Tractor DI-345	45
19.3	Standard Tractor DI-355	55
19.4	Standard Tractor DI-450	50
19.5	Standard Tractor DI-460	60
19.6	Standard 475	75
19.7	Standard 490	90
20.0	Zimidara Tractors Pvt Ltd., Barnala, Punjab	
20.1	Bharat Track 3035	35
20.2	Bharat Track 3045	45
21.0	Farmer Tractor, Rajkot, Gujarat (http://www.farmer.net.pl/en)	
21.1	Mini Tractor	
22.0	Field Marshal, Rajkot, Gujarat (http://www.fieldmarshal.com)	
22.1	Shridev 115	15
23.0	Green Field Agro Equipment, Thane, Maharashtra(Samson) (https://www.greenfield.in)	
23.1	Mini Tractor	
24.0	SAME Deutz-Fahr India(P) Ltd.	
24.1	Agrolux 50 2WD	45
24.2	Agrolux 60	55
24.3	Agrolux70	73
24.4	Agromaxx 55	50
24.5	Agromaxx 60	55
24.6	Agrolux 80 Profiline	80

- Source :**
1. Internet sites of respective tractor manufacturers.
 2. Directory of tractor, power tiller, combines and farm machinery manufacturers in India, AICRP on FIM, ICAR-CIAE, Bhopal.
 3. Souvenir XLII ISAE annual convention & symposium February 1-3, 2008.
 4. Information received from ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal.



भाग-VII
निर्यात एवं आयात

SECTION-VII
Export and Import



Table 7.1: Total agriculture vis-a-vis total national import/export

(million ₹)

Year	Import			Export		
	Agriculture	Total (National)	% Agriculture to total (National)	Agriculture	Total (National)	% Agriculture to total (National)
	Value	Value		Value	Value	
2000-01	120862.30	2283066.40	5.29	286573.70	2013564.50	14.23
2001-02	162566.10	2451997.20	6.63	297286.10	2090179.70	14.22
2002-03	176088.30	2972058.70	5.92	346539.40	2551372.80	13.58
2003-04	219726.80	3591076.60	6.12	372665.20	2933667.50	12.70
2004-05	228118.40	5010645.40	4.55	416026.50	3753395.30	11.08
2005-06	214992.20	6604089.00	3.26	492169.60	4564178.60	10.78
2006-07	296378.60	8405063.10	3.53	624114.20	5717792.80	10.92
2007-08	299062.40	10123117.00	2.95	790397.20	6558635.20	12.05
2008-09	371830.4 0	13744355.50	2.71	855516.70	8407550.60	10.18
2009-10	595283.70	13637355.50	4.37	893415.00	8455336.40	10.57
2010-11	526528.80	16834669.60	3.13	1110189.90	11429219.20	9.71
2011-12	742845.80	23454632.40	3.17	1805286.00	14659593.90	12.31
2012-13	993386.60	26691619.60	3.72	2236182.40	16343188.40	13.68
2013-14	874656.60	27154339.10	3.22	2627789.60	19050110.90	13.79
2014-15	1213190.20	27370865.80	4.43	2396810.40	18964454.70	12.64
2015-16	1402892.20	24902980.80	5.63	2153965.50	17163780.50	12.55
2016-17	1647268.30	25776753.70	6.39	2266519.10	18494335.50	12.26
2017-18	1520952.00	30010334.30	5.07	2515639.40	19565145.30	12.86
2018-19	1370194.60	35946742.20	3.81	2745712.80	23077261.90	11.90
2019-20	1474458.10	33609544.50	4.39	2529760.60	22198541.70	11.40
2020-21	1545107.20	29159580.00	5.30	3088300.00	21590430.00	14.30
2021-22	2318502.70	45727745.90	5.07	3756624.70	31470214.90	11.94
2022-23	2757040.90	57498012.70	4.80	4277674.60	36215498.80	11.81
2023-24*	2633141.20	56160423.70	4.69	4049004.20	36189522.70	11.19

Note : *: Provisional.

Source : 1. *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India (In press).

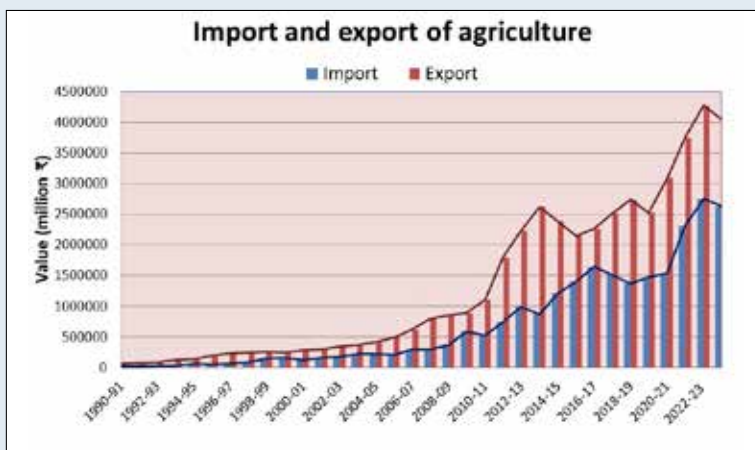


Table 7.2: Quantity and value of export of major commodities in agriculture

(Quantity: MT, Value: Lakh ₹)

Product	2022-23		2023-24		2024-25	
	Quantity	Value	Quantity	Value	Quantity	Value
Floriculture						
Fruits & vegetables seeds	70780.53	71782.88	74916.95	21024.41	19677.89	21039.14
Floriculture	82713.24	100495.92	122256.12	13605.72	14453.77	16237.13
Total	153493.77	172278.80	197173.07	34630.13	34131.66	37276.27
Fresh fruits and vegetables						
Other fresh fruits	273698.88	375900.03	478112.87	674291.70	887424.87	1112940.71
Fresh onions	452279.14	392278.32	383221.43	2525258.36	1717439.35	1147721.88
Other fresh vegetables	244304.25	293827.21	308517.09	827288.05	918107.64	912466.56
Fresh grapes	254342.12	346070.22	304999.40	267950.39	343982.34	271253.87
Fresh mangoes	37849.39	49546.43	47381.28	22963.76	32104.09	29938.38
Others (betel leaves & nuts)	53472.77	44304.17	15475.21	17205.45	12256.93	3990.50
Walnuts	2583.26	2001.69	6682.59	717.65	638.07	2134.20
Total	1318529.81	1503928.07	1544389.87	4335675.36	3911953.29	3480446.10
Processed fruits and vegetables						
Processed vegetables	498735.56	652346.97	759167.05	410415.99	537555.87	614979.11
Pulses	539785.58	568939.95	724208.47	775024.48	626653.80	793291.42
Processed fruits, juices & nuts	475482.93	565947.43	610940.24	388207.95	489216.36	503300.12
Cucumber and gherkins (prepd. & presvd)	176109.84	212707.32	260124.31	227699.04	244243.52	289594.37
Mango pulp	118965.81	62429.33	68106.24	109501.38	60900.21	63253.15
Total	1809079.72	2062371.00	2422546.31	1910848.84	1958569.76	2264418.17
Animal products						
Buffalo meat	2564810.15	3101009.59	3439235.57	1175869.13	1295603.15	1254775.31
Dairy products	226985.03	226094.09	418172.06	67572.99	63738.48	113350.36
Natural honey	162277.34	147083.87	174982.92	79929.17	107963.21	100773.14
Poultry products	108161.60	153019.85	143014.44	664753.46	1275234.90	1034644.88

Product	2022-23		2023-24		2024-25	
	Quantity	Value	Quantity	Value	Quantity	Value
Sheep/goat meat	53717.68	64355.04	71943.00	9592.31	10829.00	11581.07
Animal casings	32601.59	39921.20	50552.53	12577.04	15009.30	18413.87
Casein	81631.90	15023.80	18046.56	8843.53	2044.34	2931.12
Albumin(eggs & milk)	26688.47	17306.21	15510.36	2219.94	2038.98	2666.93
Processed meat	1171.78	2055.26	942.71	331.57	813.72	226.50
Other meat	1692.65	682.08	0.00	701.81	223.68	0.00
Total	3259738.19	3766550.99	4332400.15	2022390.95	2773498.76	2539363.18
Other processed foods						
Miscellaneous Preparations	888918.40	1098996.73	1248253.34	826382.62	1046038.39	1005318.21
Cereal Preparations	605159.93	697625.48	790020.33	480432.62	534068.27	594596.57
Groundnuts	673525.24	713534.62	672840.89	668885.40	680698.61	746303.13
Guargum	494460.48	448940.37	481550.76	406513.53	417674.38	453612.53
Jaggery & Confectionery	433006.63	357076.70	344529.80	761640.19	516746.16	471057.30
Alcoholic Beverages	254644.26	310749.58	298532.92	230903.47	262778.43	221821.67
Cocoa Products	124212.83	152194.50	251240.39	34249.85	36186.30	45489.26
Milled Products	222393.76	143264.45	162337.50	629253.46	256606.48	267768.02
Other Oil Cake/Solid ResIdues	93965.57	27076.71	2793.96	583387.18	163010.90	15163.62
Total	3790287.10	3949459.14	4252099.89	4621648.32	3913807.92	3821130.31
Cereals						
Non basmati rice	5108872.03	3780448.29	5540804.71	17786092.81	11116533.98	14128966.33
Basmati rice	3852410.55	4838918.09	5031199.35	4558972.23	5242048.39	6065483.42
Maize	898713.04	366009.57	170593.38	3453680.58	1442671.48	556416.88
Millet	48887.72	48853.22	50235.37	151493.39	132985.40	121365.04
Other cereals	14663.21	14854.93	14022.42	21357.01	22777.80	19672.81
Wheat	1182690.44	47083.07	1721.82	4693264.09	188287.99	3566.86
Total	11106236.99	9096167.17	10808577.05	30664860.11	18145305.04	20895471.34

Export & Import

Product	2022-23		2023-24		2024-25	
	Quantity	Value	Quantity	Value	Quantity	Value
Cashew						
Cashew Kernels	286872.45	280880.04	286402.76	59575.83	65808.38	65243.89
Cardanol	5708.32	6119.18	5406.69	6607.05	9714.10	7525.91
Cashewnut Shell Liquid	5638.61	1601.97	672.41	10641.81	3508.17	971.70
Total	298219.38	288601.19	292481.86	76824.69	79030.65	73741.50
Herbal and medicinal plants						
Herbal and Medicinal Plants	0.00	0.00	450820.64	0.00	0.00	126067.33
Total	0.00	0.00	450820.64	0.00	0.00	126067.33
Grand Total	21735584.96	20839356.36	24300488.84	43666878.40	30816297.08	33237914.20

Source : DGCIS Annual Data. (<http://www.apeda.gov.in/apedawebsite/index.asp>)

Table 7.3: Quantity and value of import of major commodities in agriculture

(Quantity: MT, Value: Lakh ₹)

Product	2022-23		2023-24		2024-25	
	Quantity	Value	Quantity	Value	Quantity	Value
Floriculture						
Floriculture	115355.69	135814.05	150109.64	27351.48	21674.68	25707.15
Fruits & vegetables seeds	28521.31	28939.43	56335.54	8895.17	10419.94	17432.33
Total	143877.00	164753.48	206445.18	36246.65	32094.62	43139.48
Fresh fruits and vegetables						
Other fresh fruits	687402.87	919124.89	1031463.56	1116350.35	1322550.84	1466099.64
Others (betel leaves & nuts)	205133.82	122511.54	120833.27	73982.66	39443.48	42174.02
Walnuts	51058.42	84617.13	102032.08	37677.70	66639.84	61194.91
Fresh grapes	13086.62	19517.20	22851.36	11992.87	18842.59	23835.69
Other fresh vegetables	5867.20	28593.48	18968.71	20445.22	34166.70	33853.16
Fresh onions	0.00	8757.94	4240.21	0.00	20516.52	9462.17
Fresh mangoes	178.73	354.91	359.11	62.40	174.85	135.18
Total	962727.66	1183477.09	1300748.30	1260511.20	1502334.82	1636754.77
Processed fruits and vegetables						
Pulses	1598584.71	3130705.33	4700212.20	2529815.01	4775311.26	7343820.18
Processed fruits, juices & nuts	186192.56	186833.33	226269.72	88209.76	87851.95	109725.92
Processed vegetables	30131.62	30314.40	40090.11	24746.57	21449.75	25985.74
Cucumber and gherkins(prepd. & presvd)	106.04	46.91	115.36	100.04	33.43	160.57
Mango pulp	0.00	85.82	32.96	0.00	59.40	17.90
Total	1815014.93	3347985.79	4966720.35	2642871.38	4884705.79	7479710.31
Animal products						
Albumin(eggs & milk)	112024.98	119337.22	158109.39	12461.70	20290.37	18031.80
Dairy products	32974.79	47676.01	35635.08	13975.81	28292.26	19743.24
Casein	8529.56	21233.04	9798.93	1007.54	2517.47	1488.62

Export & Import

Product	2022-23		2023-24		2024-25	
	Quantity	Value	Quantity	Value	Quantity	Value
Poultry products	4280.82	5335.58	5142.51	284.81	340.52	404.08
Other meat	3846.89	3421.90	4555.05	937.35	790.79	1136.80
Sheep/goat meat	1724.32	2368.66	2154.93	215.80	311.86	340.01
Natural honey	2939.11	1696.13	2138.08	914.23	509.62	727.55
Animal casings	0.00	237.24	325.55	0.00	89.05	120.33
Processed meat	274.26	169.19	192.52	46.05	30.01	27.85
Total	166594.73	201474.97	218052.04	29843.29	53171.95	42020.28
Other processed foods						
Alcoholic beverages	615184.18	1083854.25	943559.27	324285.55	538859.21	814833.27
Cocoa products	353075.72	424726.77	842651.24	128654.28	126429.73	132052.78
Miscellaneous preparations	384746.31	337980.84	415789.21	368619.63	310589.25	365640.11
Cereal preparations	171103.31	178630.41	210948.78	107923.98	119587.83	163179.38
Jaggery & confectionery	116626.71	142098.25	139684.84	75502.95	100783.53	103606.55
Other oil cake/solid residues	1529.41	3409.10	3068.96	9053.02	21921.18	20923.15
Milled products	2027.88	1968.84	2574.21	3871.58	3053.04	3524.56
Guargum	2090.75	1098.62	1857.09	920.40	277.43	489.92
Groundnuts	1286.52	1879.48	1196.57	1203.11	1680.87	1227.36
Total	1647670.79	2175646.56	2561330.17	1020034.50	1223182.07	1605477.08
Cereals						
Maize	8892.04	32085.62	218915.51	16731.68	137093.67	970069.99
Other cereals	105784.20	43105.94	72367.98	288265.01	130244.54	255682.63
Wheat	4612.38	31243.37	36900.51	13570.37	103601.38	125461.86
Non-basmati rice	4399.22	3646.54	5487.10	6711.06	4683.14	7296.06
Millet	110.73	163.13	858.39	292.12	233.49	2149.26
Total	123798.57	110244.60	334529.49	325570.24	375856.22	1360659.80
Cashew						
Cashew kernels	1436950.83	1182814.98	1408287.43	1332173.08	1255096.37	1147787.60

Product	2022-23		2023-24		2024-25	
	Quantity	Value	Quantity	Value	Quantity	Value
Cashew nut shell liquid	1076.87	1795.44	3773.23	3065.99	5132.72	11203.77
Cardanol	36.97	0.00	168.70	0.50	0.00	500.00
Total	1438064.67	1184610.42	1412229.36	1335239.57	1260229.09	1159491.37
Herbal and medicinal plants						
Herbal and medicinal plants	0.00	0.00	130529.71	0.00	0.00	121908.91
Total	0.00	0.00	130529.71	0.00	0.00	121908.91
Grand Total	6297748.35	8368192.91	11130584.60	6650316.83	9331574.56	13449162.00

Source : DGCIS Annual Data. (<http://www.apeda.gov.in/apedawebsite/index.asp>)

Table 7.4: Value of export and import of selected commodities in agriculture

(Lakh ₹)

Product description	Value of export				Value of import			
	2021-2022	2022-2023	2023-2024	2024 - 2025	2021-2022	2022-2023	2023-2024	2024 - 2025
Fish and crustaceans molluscs and other aquatic invertebrates	5142068.24	5478657.91	5071041.86	5324658	125672.82	152899.09	149579.64	198732
Products of animal origin not elsewhere specified or included	200248.60	209206.35	222725.13	245459	32912.31	37851.54	35930.97	37672
Live trees & other plants; bulbs; roots and the like; cut flowers and ornamental foliage	77240.33	70847.61	71782.88	74917	25853.11	28521.31	28939.43	56336
Edible vegetables & certain roots and tubers	1108563.37	1541542.69	1606670.21	1855075	1730583.31	1611910.21	3177948.42	4737266
Edible fruits & nuts; peel or citrus fruit or melons	1148192.66	1164333.34	1355788.69	1441402	2786945.55	3459826.02	3470122.69	4009629
Coffee tea mate & spices	2957167.43	3335052.90	3922976.27	4543367	703211.18	773763.30	940162.74	1132462
Cereals	9608076.03	11108435.14	9096167.17	10809606	42029.58	123798.56	110244.59	334529
Products of milling industry malt; starches; inulin; wheat gluten	490177.30	606563.25	596835.05	614261	57108.66	63970.15	75760.75	92340
Oilseeds & oleaginous fruits; misc. grains; seeds and fruit; industrial or medicinal plants; straw and fodder	1302948.87	1613047.53	1774620.01	1799647	675577.87	789749.22	1043259.62	770001
Lac gums resins & other veg. saps and extracts	729934.47	863068.23	805378.60	954962	212269.63	335258.13	302398.22	333772
Vegetable plaiting materials veg. products not elsewhere specified or included	39900.83	34397.62	37878.79	39728	78616.76	81684.36	90173.15	107730
Animal or vegetable fats & oils and their cleavage products; pre edible fats; animal or vegetable wax	1152760.03	1658777.36	1511048.01	1727298	14423944.06	16954811.57	12463324.21	14863121
Prep. of meat of fish or of crustaceans molluscs or other aquatic invertebrates	575478.65	635649.93	600929.83	668564	9141.01	5714.54	7756.03	6924
Sugars & sugar confectionery	3797357.16	5075147.57	2725578.38	2118241	224232.78	350234.02	1782566.94	1306921
Cocoa & cocoa preparations	114545.08	124213.62	152194.50	251240	271392.98	353075.72	424726.77	842651
Preparations of cereals flour starch or milk; pastrycooks products	472004.04	590869.48	679849.26	772616	115743.60	130009.04	129859.65	152593
Preparations of vegetables fruit nuts or other parts of plants	560569.23	752540.20	957455.83	1035929	99706.39	119737.79	117046.11	150498

Product description	Value of export					Value of import			
	2021-2022	2022-2023	2023-2024	2024 - 2025		2021-2022	2022-2023	2023-2024	2024 - 2025
Misc. edible preparations	827057.93	1013106.32	1216405.64	1450654		188358.48	165273.56	155596.02	197404
Beverages spirits & vinegar	239120.18	301627.57	373890.03	382642		654487.69	851034.22	1278411.13	1161645
Residues & waste from food industries; prepared animal fodder	1180853.12	2024084.02	2304110.93	1873291		929114.72	633304.58	533833.64	591530
Tobacco & mfd. tobacco substitutes	688152.06	973985.47	1200589.41	1672802		47098.69	61036.46	86072.04	99263
Fertilizers	62958.82	105731.76	107737.69	136657		9532883.07	12340737.71	7388451.99	7002999
Tanning or dyeing extracts; tannins and their derivatives pigments and other colouring matter; paints and var; putty and other mastics; inks	2951323.98	2652827.84	3299723.86	3011687		1943115.01	2049041.55	3011683.06	2428956
Essential oils & resinoids cosmetics perfumery or toilet preparations	1660571.79	1912498.97	2453055.10	2286251		785844.66	1105227.61	1737061.02	1193418
Rubber and articles thereof	3455998.68	3760355.39	3789020.84	4113443		3082130.48	3348317.81	3240533.70	3916511
Wood & articles of wood wood charcoal	554524.09	509197.19	513981.78	499052		1515207.61	1831242.44	1884742.20	2225470
Cork & articles of cork	3420.20	3685.99	4379.51	4184		6287.84	6871.11	9641.45	10499
Manufactures of plaiting materials basket ware and wickerwork	55980.35	54160.27	56946.52	60536		4689.62	5658.71	7382.84	8008
Pulp of wood or other fibrous cellulosic material; waste and scrap of paper or paperboard	1526.44	2966.99	7358.35	5281		2572364.13	3222397.70	2597072.87	2745277
Paper & paperboard articles of paper pulp of paper or of paperboard	2368817.54	2370381.69	2172777.53	2220504		1688393.34	2650737.38	2498711.95	2765008
Total	43527537.50	50546960.20	48688897.66	51993954		44564916.94	53643695.41	48778993.84	53479165

Source : Department of Commerce, Ministry of Commerce & Industry, Govt. of India. (<http://www.commerce.nic.in/eidb/ecom.asp>)

Table 7.5: Value of export and import of livestock products

Livestock Products	Value of export					Value of import					(Lakh ₹)
	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	
Livestock	6324.10	7392.30	4098.42	10246.96	16668	7687.70	7777.28	8828.01	15885.25	22310	
Meat and edible meat offal	2384579.60	2515618.56	2627894.67	3174669.89	3522580	1317.80	3072.37	4849.35	5499.57	6465	
Dairy produce, birds eggs, natural honey, edible prod. of animal origin not elsewhere spec. or included	260631.60	463126.43	489873.43	517436.08	724247	24874.20	22467.68	36427.72	50084.23	38711	
Raw hide & skins (other than furskins) & Leather	280141.90	340743.00	346836.56	371486.73	377567	237851.80	316488.17	386928.34	331914.03	360278	
Wool fine or coarse animal hair horsehair yarn and woven fabric	65632.30	100634.67	137725.59	136830.52	114239	122026.80	208429.17	255919.62	254470.75	246885	
All groups (Total)	2997309.50	3427514.96	3606428.67	4210670.18	4755301	393758.10	558234.67	692953.04	657853.83	674649	

(Lakh ₹)

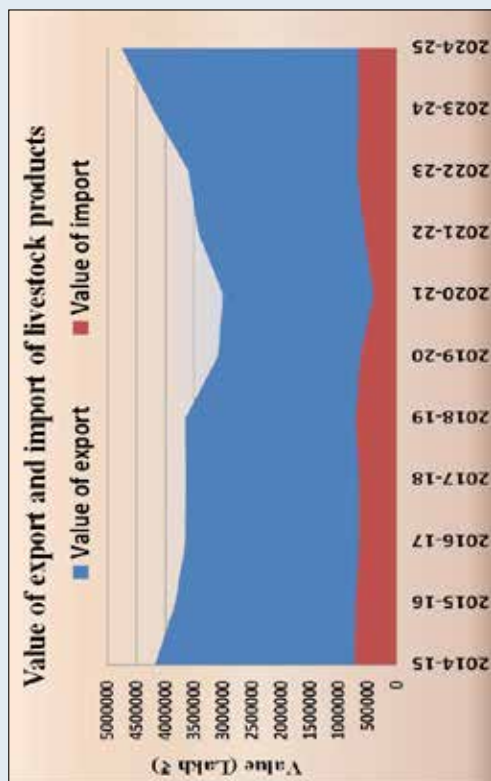
Source : 1. Department of Commerce, Ministry of Commerce & Industry, Govt. of India. (<http://www.commerce.nic.in/eidb/ecom.asp>)

Table 7.6: Item wise export of marine products

(Q: Quantity in MT, V: Value in Rs. Crore)

Item		2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Frozen shrimp	Q:	434486	565980	614145	652253	590275	728123	711099	716004
	V:	24711.30	30868.20	31800.50	34152.00	32520.30	42706.04	43135.58	40013.54
Frozen fish	Q:	296762	353192	338933	223318	188130	226586	368549	381588
	V:	4460.90	4674.03	4916.82	3610.01	2941.65	3471.91	5503.18	5509.69
Fr cuttle fish	Q:	63320	69183	60210	70906	59292	58992	54919	54316
	V:	1944.50	2356.46	1975.97	2009.79	1626.34	2062.63	2353.34	2252.63
Fr squid	Q:	99348	100845	101101	87631	61176	75750	83846	93509
	V:	2575.29	2451.87	2506.99	2196.59	1998.90	2806.09	3593.75	3061.46
Dried item	Q:	61071	88997	95296	84417	85661	73679	252918	300966
	V:	871.74	1042.37	1323.45	981.50	1148.38	1472.98	3080.92	4070.60
live items	Q:	6703	7034	10179	7287	4379	7032	7824	7585
	V:	403.75	286.11	388.88	324.26	239.69	353.36	440.06	397.84
Chilled items	Q:	31815	19501	17207	21202	17622	21689	24428	35925
	V:	769.81	647.41	616.22	631.84	477.99	733.47	616.29	687.19
Others	Q:	141442	172512	155487	142638	142975	177414	231703	191709
	V:	2133.59	2780.48	3060.53	2756.84	2767.74	3979.99	5246.03	4530.92
Total	Q:	1134948	1377244	1392559	1289651	1149510	1369264	1735286	1781602
	V:	37870.90	45106.90	46589.40	46662.90	43721.00	57586.48	63969.14	60523.89

Source : The Marine Products Export Development Authority (MPEDA), Ministry of Commerce & Industry, Govt. of India.

Table 7.7: Quantity and value of export of principal agricultural commodities including marine products

(Quantity: 000't, Value: Crore ₹)

Items	2020-21		2021-22		2022-23		2023-24 *	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Tea	212.69	5603.50	208.61	5596.67	241.15	6582.34	260.64	6843.08
Coffee	245.21	5339.65	333.1	7613.62	316.10	9190.89	297.91	10644.82
Tobacco unmanufactured	178.3	3840.46	196.26	4249.88	256.19	6600.32	278.45	8713.32
Tobacco manufactured	N.A.	2656.53	N.A.	2631.64	0	3139.54	0	3292.57
Spices	1607.06	29529.39	1427.72	29039.27	1312.26	30418.98	1415.21	35173.96
Cashew	70.11	3112.22	75.45	3377.4	59.59	2868.86	65.8	2808.80
Cashew nut shell liquid	3.74	19.72	4.94	32.51	17.25	113.47	13.22	77.21
sesame and niger seeds	292.85	3319.7	248.18	3098.14	236.39	3496.13	244.22	4400.62
Other oil seeds	84.57	455.63	60.24	515.20	58.23	555.79	32.91	359.83
Vegetable oils	302.22	4453.17	98.37	1650	201.48	3536.28	213.46	3499.89
Oil meals	4366.55	11688.56	2925.7	7695.31	4183.63	12955.14	4272.85	14191.56
Castor oil	734.34	6801.99	715.21	8754.35	645.82	10133.38	692.87	8869.07
Shellac	7.88	649.83	8.49	790.24	5.44	850.64	4.24	561.56
sugar and mollases	8835.60	21984.79	11862.06	35970.44	13378.87	48374.77	5134.58	24492.71
Fruits / vegetable seeds	32.29	929.63	20.99	843.82	21.45	947.82	17.71	1099.21
Processed fruits and juices	532.87	5150.80	629.7	5802.53	620.58	7319.98	703.96	8048.81
Misc processed items	N.A.	6402.84	N.A.	8714.70	0	11432.26	0	13689.74
meat & meat prep.	1094.39	23821.05	1186.45	25117.85	1186.71	26217.12	1307.76	31688.30
Floriculture products	15.70	575.99	23.70	772.40	21.05	708.48	19.67	717.83
Marine products	1167.76	44175.75	1398.01	57910.36	1754.2	64902.16	1819.63	61043.68
Cotton raw incld. Waste	1213.98	13968.38	1258.63	21007.04	318.47	6218.35	573.10	9249.75
Total (Agri.)	N.A.	308830.00	N.A.	375662.47	N.A.	427767.46	N.A.	404900.42
Total export	N.A.	2159043.00	N.A.	3147021.49	N.A.	3621549.88	N.A.	3618952.27
% share of agricultural exports	N.A.	14.30	N.A.	11.94	N.A.	11.81	N.A.	11.19

Note : 1. *: Provisional, 2. N.A.: Not available.

Source : 1. *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In press)

Table 7.8: Quantity and value of import of principal agricultural commodities including marine products

(Quantity: 000' t , Value: Crore ₹)

Items	2020-21		2021-22		2022-23		2023-24 *	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Tea	38.59	658.87	30.34	475.68	29.99	481.97	25.21	441.26
Coffee	78.50	900.56	84.72	1054.30	108.6	1762.37	87.63	1724.56
Tobacco unmanufactured	7.21	129.10	6.79	141.57	2.62	125.59	3.09	200.34
Tobacco manufactured	N.A.	159.09	N.A.	329.42	0	484.78	0	660.38
Spices	344.21	8070.53	364.07	9684.74	386.14	10694.88	384.50	12051.24
Cashew	834.40	7491.21	939.2	9338.37	1332.18	14369.51	1255.11	11828.15
Cashew nut shell liquid	2.20	7.17	6.53	22.88	3.18	11.36	5.13	18.42
Sesame seeds	103.24	910.76	21.10	219.88	64.11	816.25	129.13	1836.5
Niger seeds	5.92	40.71	5.65	40.65	1.06	8.19	1.81	16.99
Other oil seeds	506.88	2165.28	701.48	4307.53	574.07	3541.67	1038.88	5268.53
Vegetable oils	13540.01	82123.26	14278.16	141531.78	15745.14	167269.99	15520.48	123078.72
Oil meals	509.79	1017.61	1301.87	4541.91	493.32	1643.42	390.59	1042.2
Castor oil	0.16	10.13	0.09	8.14	0.21	13.18	0.31	13.26
Shellac	0.64	21.22	1.68	77.95	4.47	267.06	2.00	87.54
Sugar	1964	4720.01	359.62	1263.19	572.04	2377.92	3292.8	16462.49
Mollases	1.65	0.92	1.95	2.01	5.00	4.65	17.23	16.29
Fruits / vegetable seeds	24.98	1060.24	19.76	1043.12	27.36	1197.36	21.70	1392.49
Marine products	101.42	1668.85	76.62	1667.69	63.02	1984.41	66.64	2083.27
Total Agri. Imports	N.A.	154510.72	N.A.	231850.27	N.A.	275704.09	N.A.	263314.12
Total imports	N.A.	2915958.00	N.A.	4572774.60	N.A.	5749801.30	N.A.	5616042.37
Agri. imports as % of all imports	N.A.	5.30	N.A.	5.07	N.A.	4.80	N.A.	4.69

Note : 1. *: Provisional, 2. N.A.: Not available.

Source : 1. *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In press)

Table 7.9: Trend in exports of marine products

(Quantity: t, Unit value: ₹/t, Value: million ₹)

Year	Quantity	Value	Unit value	Unit value index	Annual growth rate (%)	
					Quantity	Value
1976-77	66750	1891.20	28332.58	1137.06	22.56	51.87
1977-78	56967	1801.20	31618.31	1268.93	-14.66	-4.76
1978-79	86894	2346.20	27000.71	1083.61	52.53	30.26
1979-80	86401	2488.20	28798.28	1155.75	-0.57	6.05
1980-81	75591	2348.40	31067.19	1246.81	-12.51	-5.62
1981-82	70105	2860.10	40797.38	1637.31	-7.26	21.79
1982-83	78175	3613.60	46224.50	1855.11	11.51	26.35
1983-84	92187	3730.20	40463.41	1623.90	17.92	3.23
1984-85	86187	3842.90	44587.93	1789.43	-6.51	3.02
1985-86	83651	3980.00	47578.63	1909.46	-2.94	3.57
1986-87	85843	4606.70	53664.25	2153.69	2.62	15.75
1987-88	97179	5312.00	54662.02	2193.73	13.21	15.31
1988-89	99777	5978.50	59918.62	2404.69	2.67	12.55
1989-90	110843	6349.90	57287.33	2299.09	11.09	6.21
1990-91	137667	8560.00	62179.03	2495.41	24.20	34.81
1991-92	169875	13116.00	77209.71	3098.63	23.40	53.22
1992-93	206673	17137.00	82918.43	3327.74	21.66	30.66
1993-94	242505	24610.00	101482.44	4072.76	17.34	43.61
1994-95	307337	35753.00	116331.58	4668.70	26.73	45.28
1995-96	296277	34501.00	116448.46	4673.39	-3.60	-3.50
1996-97	378198	40776.00	107816.54	4326.96	27.65	18.19
1997-98	385818	46497.00	120515.37	4836.60	2.01	14.03
1998-99	302934	46268.70	152735.25	6129.67	-21.48	-0.49
1999-00	343031	51166.70	149160.57	5986.21	13.24	10.59
2000-01	440473	64438.90	146294.78	5871.20	28.41	25.94
2001-02	424470	59570.50	140340.90	5632.25	-3.63	-7.56
2002-03	467297	68813.10	147257.74	5909.84	10.09	15.52
2003-04	412017	60919.50	147856.76	5933.88	-11.83	-11.47
2004-05	461329	66465.50	144073.97	5782.07	11.97	9.10
2005-06	512163	72457.30	141473.12	5677.69	11.02	9.01
2006-07	612643	83635.20	136515.39	5478.72	19.62	15.43
2007-08	541701	76209.30	140685.18	5646.07	-11.58	-8.88
2008-09	602834	86079.50	142791.38	5730.60	11.29	12.95
2009-10	678436	100485.30	148113.16	5944.17	12.54	16.74
2010-11	813091	129014.60	158671.78	6367.92	19.85	28.39
2011-12	862021	165972.30	192538.58	7727.08	6.02	28.65
2012-13	928215	188562.60	203145.39	8152.76	7.68	13.61
2013-14	983756	302132.60	307121.48	12325.60	5.98	60.23
2014-15	1051243	334416.10	318114.90	12766.79	6.86	10.69
2015-16	945892	304208.30	321610.00	12907.06	-10.02	-9.03
2016-17	1134948	378709.00	333679.60	13391.45	19.99	24.49
2017-18	1377244	451068.90	327515.60	13144.07	21.35	19.11
2018-19	1392559	465893.70	334559.40	13426.74	1.11	3.29
2019-20	1289651	466628.50	361825.41	14520.99	-7.39	0.16
2020-21	1149510	437209.80	380344.49	15264.21	-10.87	-6.30
2021-22	1369264	575864.80	420565.21	16878.37	19.12	31.71
2022-23	1735286	639691.40	368637.45	14794.38	26.73	11.08
2023-24	1781602	605238.90	339716.10	13633.69	2.67	-5.39

Note : N.A.: Not available.

Source : 1. *Hand Book on Fisheries Statistics 2022*, Department of Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture & Farmers Welfare, Govt. of India. (<http://eands.dacnet.nic.in>)
 2. The Marine Products Export Development Authority (MPEDA), Ministry of Commerce & Industry, Govt. of India. https://mpeda.gov.in/?page_id=438

Table 7.10: Quantity of marine products exported and foreign exchange earned

(Quantity: 000't, Value: million ₹)

Year	Quantity	Value	Annual growth rate (%)	
			Quantity	Value
1993-94	257.98	25518.90	22.39	46.40
1994-95	320.91	35366.40	24.39	38.59
1995-96	327.37	33811.30	2.01	-4.40
1996-97	394.55	40076.30	20.52	18.53
1997-98	398.20	44867.60	0.93	11.96
1998-99	311.26	43685.50	-21.83	-2.63
1999-00	390.74	51245.60	25.53	17.31
2000-01	502.60	63672.90	28.63	24.25
2001-02	468.03	58983.40	-6.88	-7.36
2002-03	527.87	69280.50	12.79	17.46
2003-04	409.49	61056.30	-22.43	-11.87
2004-05	483.52	64692.20	18.10	5.96
2005-06	554.20	70359.10	14.60	8.76
2006-07	611.55	80010.40	10.35	13.71
2007-08	490.06	69266.70	-19.87	-13.43
2008-09	464.90	70663.70	-5.13	2.02
2009-10	678.44	100485.30	45.93	42.20
2010-11	813.09	129014.70	19.85	28.39
2011-12	862.02	165972.30	6.02	28.65
2012-13	928.22	188562.60	7.68	13.61
2013-14	983.76	302132.60	5.98	60.23
2014-15	1051.24	334416.06	6.86	10.69
2015-16	945.89	304208.30	-10.02	-9.03
2016-17	1134.95	378709.00	19.99	24.49
2017-18	1377.24	451068.90	21.35	19.11
2018-19	1392.56	465893.70	1.11	3.29
2019-20	1289.65	466628.50	-7.39	0.16
2020-21	1149.51	437209.80	-10.87	-6.30
2021-22	1369.264	575864.80	19.12	31.71
2022-23	1735.286	639691.40	26.73	11.08
2023-24	1781.602	605238.90	2.67	-5.39

Source : 1. The Marine Products Export Development Authority (MPEDA), Ministry of Commerce & Industry, Govt. of India. https://mpeda.gov.in/?page_id=438

Table 7.11: Quantity and value of export and import of natural resins and gums

(Quantity: t, Value: Lakh ₹)

S. No.	Name of product	Export						Import					
		2019-20		2020-21		2021-22		2019-20		2020-21		2021-22	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
A. Natural resins													
1.	Copal	17.52	26.33	53.52	37.59	24.15	41.75	2055.95	2588.87	1822.83	2384.57	2453.04	3989.20
2.	Dammar batu	10.43	20.46	18.84	42.23	180.70	156.39	15702.24	8440.76	19779.23	12150.45	22552.86	18552.30
3.	Mastic gum	0.13	0.03	0.00	0.00	0.10	0.69	3.36	19.68	3.35	20.28	0.00	0.00
4.	Gum rosin	309.41	283.11	239.09	263.98	322.90	394.22	45843.87	32678.56	39396.14	31254.70	42084.26	50949.89
5.	Lac	7293.47	40551.69	7691.96	57641.20	8334.42	70997.27	840.64	2172.26	632.27	1877.56	1675.54	7620.11
6.	Other resins	31.25	111.78	155.79	358.00	1304.85	103.26	535.40	859.25	1304.42	2570.91	1267.37	3809.57
	Total	7662.21	40993.40	8159.20	58343.00	10167.12	71693.58	64981.46	46759.38	62938.24	50258.47	70033.07	84921.07
B. Gums													
1.	Gum arabic	409.58	550.65	1685.29	1833.11	1225.28	1694.26	32692.22	18490.91	27322.44	17097.91	34240.50	21296.58
2.	Asian gum	535.72	1910.46	408.57	1556.29	595.45	2050.55	35.51	40.48	8.45	9.36	15.68	19.54
3.	African gum	0.81	3.38	0.38	1.77	2.04	6.83	0.00	0.00	3.00	4.33	0.00	0.00
4.	Karaya gum Indian tragacanth	890.34	1376.56	1170.45	1945.47	1006.57	1839.96	2155.47	1561.10	2987.44	2196.57	2921.78	2188.14
5.	Tragacanth (Adracanth)	0.01	0.05	1.24	4.40	0.87	3.27	0.05	0.79	0.00	0.00	0.00	0.00
6.	Xanthum gum	0.16	0.59	1.00	2.16	0.09	0.63	20.31	82.48	2.88	21.56	2.88	21.39
7.	Other natural gums	258.01	428.05	528.19	935.79	509.28	827.89	771.03	1856.29	316.51	1878.56	251.30	1722.61
	Total	2094.63	4269.74	3795.12	6278.99	3339.58	6423.39	35674.59	22032.05	30640.72	21208.29	37432.14	25248.26
C. Gum resins													
1.	Asafoetida	1054.77	6118.87	1496.20	9241.36	1224.04	7165.44	1539.80	94243.62	1398.76	78941.66	1476.29	77248.14
2.	Myrrh	1.45	8.43	2.05	17.01	3.72	50.61	22.09	84.95	34.45	157.25	76.70	732.90
3.	Olibanum or Frankincence	97.39	255.81	169.86	353.54	154.76	624.57	172.55	239.46	618.29	938.92	274.83	795.86
4.	Other gum resins	29.07	122.13	32.11	187.98	41.29	135.25	396.57	1126.68	334.94	1160.53	245.67	990.80
	Total	1182.68	6505.24	1700.22	9799.89	1423.81	7975.87	2131.01	95694.71	2386.44	81198.36	2073.49	79767.70
D. Seed Gums													
1.	Guar gum refined split	0.00	0.00	0.00	0.00	228115.10	277292.40	0.00	0.00	0.00	0.00	0.00	0.00
2.	Guar gum treated and pulverized	235604.00	263980.70	167308.23	163743.01	21550.60	9978.65	484.08	1956.39	323.32	1079.18	176.35	588.34
3.	Cassia tora seeds	33049.00	9624.00	38476.00	16384.00	1774.84	2633.73	192.00	89.72	2485.05	593.93	11156.50	2776.64

S. No.	Name of product	Export				Import			
		2019-20		2020-21		2021-22		2020-21	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
4.	Psyllium seed	1696.00	2775.00	1449.00	2432.00	857.95	469.72	0.00	0.00
5.	Flour meal & powder of tamarind	151.74	194.36	775.25	370.34	252298.50	290374.50	0.00	0.00
	Total	270500.17	276573.20	208008.22	182928.76	267229.00	376467.40	676.08	2046.11
	Grand Total	281439.69	328341.58	221662.76	257350.64	228115.10	277292.40	103463.14	166532.25

Source : 1. Directorate General of Commercial Intelligence & Statistics, Kolkata.

2. Information received from ICAR-Indian Institute of Natural Resins and Gums, Namkum, Ranchi.

Table 7.12: Quantity and value of export and import of Lac and its value added products

(Quantity: L, Value: Lakh ₹)

Year	Export								Import		
	Grade→	Shellac & button lac	Seedlac	Dewaxed shellac	Aleurtic Acid	Bleached lac	Gasket shellac	Shellac wax	Other	Total	Lac
2014-15	Quantity	3261.44	2690.29	183.02	181.12	142.89		N.A.	95.22	6569.17	367.02
	Value	14650.36	8770.25	1250.94	5909.11	1048.13		N.A.	504.52	32249.58	447.39
2015-16	Quantity	3798.80	3091.06	150.57	168.50	225.34		14.20	213.49	7668.42	100.71
	Value	11619.82	6225.18	775.23	3669.51	1275.90		64.21	1108.83	24755.18	92.31
2016-17	Quantity	3273.16	3151.45	274.81	151.76	385.06		N.A.	0.05	7240.78	309.00
	Value	8556.63	6109.30	1268.07	2638.47	2068.67		28.7	0.08	20689.92	767.63
2017-18	Quantity	3315.99	2925.65	185.23	157.23	291.07		10.88	0.00	6889.48	300.00
	Value	9573.36	6961.16	985.45	3216.44	1700.17		90.71	0.00	22590.00	250.00
2018-19	Quantity	3730.68	3515.60	352.31	155.75	306.16		5.18	154.00	8225.39	600.00
	Value	10100.7	7939.59	1864.49	3337.8	1830.6		14.32	24.23	23365.37	720.00
2019-20	Quantity	3107.64	3577.14	308.50	81.02	216.02		N.A.	0.01	7293.47	840.64
	Value	15164.15	18730.29	2462.89	2079.99	2077.79		35.90	0.69	40551.69	2172.26
2020-21	Quantity	N.A.	N.A.	N.A.	183.16	N.A.		N.A.	1.14	7691.96	632.27
	Value	N.A.	N.A.	N.A.	7315.30	N.A.		51.41	26.09	57641.20	1877.56
2021-22	Quantity	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.	N.A.	8334.42	632.27
	Value	N.A.	N.A.	N.A.	N.A.	N.A.		N.A.	N.A.	70997.27	1877.56

Note : N.A.: Not available.

Source : 1. Directorate General of Commercial Intelligence & Statistics, Kolkata. (www.dgciis.in)

2. Shellac and Forest Products Export Promotion Council, Kolkata.

3. Information received from ICAR-Indian Institute of Natural Resins and Gums, Namkum, Ranchi.

Table 7.13: Production, import and consumption of fertilizers

(000't)

Year	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Nitrogenous fertilizers												
Production	12378	12394	13416	13354	13386	13344	13685	13715	13839	15737.8	17067	11323
Imports	3808	4766	5068	3388	3588	4701	5191	5633	5359	5218.4	4575	3259
Consumption	16750	16945	17372	16735	16958	17628	19101	20404	19438	20206	20456	22148
Phosphatic fertilizers												
Production	3960	4121	4394	4595	4723	4594	4791	4739	4714	5009.5	4880	3497
Imports	1590	1832	2888	2129	2047	3167	2413	2543	2781	3781.3	3046	2360
Consumption	5633	6098	6979	6705	6854	6968	7662	8978	7828	7821	8307	8396
Potassic fertilizers												
Production	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	0	0
Imports	1333	2537	2053	2318	2895	2629	2280	2670	1630	1463.0	1431	2019
Consumption	2099	2532	2402	2508	2779	2779	2607	3154	2529	1716	1716	1879
All fertilizers (NPK)												
Production	16338	16515	17810	17949	18109	17938	18476	18454	18553	20747.3	20711	21948
Imports	6731	9135	10009	7835	8530	10497	9884	10846	9770	10462.7	10162	9640
Consumption	24482	25576	26753	25949	26591	27375	29369	32536	29796	29743	29844	30642
C & F Values of Urea Imports (₹ Crore)	14987.95	12035.26	13984.93	7024.32	8350.94	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Note : 1. Figures relate to imports made on government account only, 2. N.A.: Not available

Source : 1. *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In press)

2. *Fertilizer Statistics 2023-2024*, The Fertilizer Association of India, New Delhi.

Table 7.14: Import of fertilizer materials

(Quantity: 000't)

Year	Ammonium sulphate (20.6% N)	Urea (46%N)	CAN (26%N)	DAP (18-46-0)	TSP (0-46-0)	MOP (60% K ₂ O)	SOP (50% K ₂ O)
2000-01	-	-	-	861.0 (78.1 ^{\$})	-	2646.0	12.8
2001-02	-	220.0	-	932.7 (125.2 ^{\$})	-	2810.2	22.2
2002-03	-	119.4**	-	383.2 (99.9 ^{\$})	-	2603.2	13.0
2003-04	-	143.1**	-	734.1 (65.0 ^{\$})	-	2579.3	10.5
2004-05	-	641.0	-	643.6 (21.6 ^{\$})	-	3409.5	25.2
2005-06	-	2056.8	-	2437.7 (45.0 ^{\$})	-	4577.5	35.1
2006-07	24.8	4718.8	-	2875.4 (97.2 ^{\$})	-	3448.4	13.1
2007-08	-	6928.0	5.0	2723.6 (266.0 ^{\$})	-	4420.8	31.6
2008-09	23.0	5667.0	2.5	6191.7 (266.9 ^{\$})	173.1	5671.7	27.3
2009-10	35.6	5210.0	11.5	5888.9 (193.4 ^{\$})	87.0	5286.5	37.1
2010-11	26.0	6610.0	-	7411.0 (188.0 ^{\$})	98.0	6357.0	36.0
2011-12	36.0	7834.0	-	6905.2 (493.7 ^{\$})	159.7	3984.6	54.0
2012-13	1.4	8044.0	-	5702.3 (152.2 ^{\$})	-	2496.1	29.5
2013-14	2.9	7088.0	-	3261.1 (38.6 ^{\$})	-	3180.0	57.5
2014-15	155.3	8749.0	-	3853.0 (136.0 ^{\$})	-	4197.0	78.0
2015-16	50.9	8474.0	-	6008.0 (22.0 ^{\$})	-	3243.0	45.4
2016-17	114.6	5481.0	-	4385.0 (-) ^{\$}	-	3736.0	46.0
2017-18	137.9	5975.0	-	4217.0 (-) ^{\$}	-	4736.0	68.1
2018-19	76.3	7481.0	-	6602.0 (-) ^{\$}	-	4214.0	39.2
2019-20	84.5	9123.0	-	4870.0 (-) ^{\$}	-	3670.0	58.8
2020-21	140.1	9829.0	-	4882.0 (-) ^{\$}	-	4227.0	62.0
2021-22	121.0	9136.0	-	5462.0 (-) ^{\$}	-	2460.0	56.5
2022-23	421.5	7580.0	-	6583.0(254. 0 ^{\$})	-	1866.0	64.8
2023-24*	287.7	7042.0	-	5567(-) ^{\$}	-	2869.0	44.5

Note : 1. \$: Mono ammonium phosphate (11-52-0), 2. *: Provisional, 3. **: Used for manufacture of Complex Fertilizers, 4. CAN: Calcium ammonium nitrate, 5. DAP: Diammonium Phosphate, 6. TSP: Triple Superphosphate, 7. MOP: Muriate of Potash 8. SOP: Sulfate of Potash, 9. -: Not available.

Source : *Fertilizer Statistics 2023-2024*, The Fertilizer Association of India, New Delhi.



भाग-VIII
विश्व कृषि में भारत का स्थान

SECTION-VIII
India's Position in World Agriculture



Table 8.1: India's position in World agriculture in 2022

Item	India	World	India's		Next to
			% Share	Rank	
1. Area (million ha)					
Total area	328.73	14085.41	2.33	VII	Russian Federation, Canada, USA, China, Brazil, Australia
Land area	297.32	13015.16	2.28	VII	Russian Federation, China, USA, Canada, Brazil, Australia
Arable land	154.45	1383.84	11.16	I	
Agriculture	178.53	4801.36	3.72	VII	China, USA, Australia, Brazil, Russian Federation, Kazakhstan
2. Population (million)					
Total	1425.42	8021.41	17.77	II	China
Rural	905.11	3416.80	26.49	I	
3. Crop production (million t)					
(A) Total Cereals	362.47	3073.69	11.79	III	China, USA
Wheat	107.74	811.38	13.28	II	China
Rice (Paddy)	203.62	788.93	25.81	II	China
(B) Total Pulses	27.62	96.04	28.76	I	
(C) Oilseeds					
Groundnut (excluding shelled)	10.13	55.05	18.40	II	China
Rapeseed	3.45	26.69	12.93	IV	Germany, Canada, China
(D) Fruits & Vegetables					
Fruits	111.07	943.47	11.77	II	China
Vegetables	145.10	1171.28	12.39	II	China
Potatoes	56.18	373.40	15.05	II	China
Onion (Dry)	31.69	111.50	28.42	I	
(E) Commercial crops					
Sugarcane	439.42	1925.50	22.82	II	Brazil
Tea	6.23	30.89	20.17	II	China
Coffee (green)	0.34	10.73	3.17	VII	Brazil, Vietnam, Indonesia, Colombia, Ethiopia, Peru
Jute	1.76	3.79	46.44	II	Bangladesh
Tobacco	0.76	5.77	13.17	II	China
Unmanufactured					
4. Livestock (million heads)					
Cattle	194.15	1557.79	12.46	II	Brazil
Buffaloes	111.74	209.31	53.38	I	
Sheep	76.75	1325.04	5.79	II	China
Goats	153.01	1116.02	13.71	I	
Chicken	844.93	26752.93	3.16	VII	China, Indonesia, Pakistan, Brazil, USA, Iran (Islamic Republic of)
5. Animal products (million t)					
Total Milk	230.59	951.85	24.23	I	
Total Eggs (Primary)	7.61	95.25	7.99	II	China
Total Meat	12.40	363.24	3.41	IV	China, USA, Brazil

Source : 1. FAOSTAT website as on 15.09.2025 (<https://www.fao.org/faostat/en/#data>),
2. *Agricultural Statistics at a Glance 2024*, Economics & Statistics Division, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Govt. of India. (In press)

Table 8.2: Area and production of principal crops in the World and India's share

(Area: million ha, Production: million t)

Crop	Area					Production				
	2018	2019	2020	2021	2022	2018	2019	2020	2021	2022
Rice	164.24 (26.89)	161.02 (27.12)	165.13 (27.72)	166.94 (27.72)	167.52 (28.55)	763.88 (22.87)	755.49 (23.60)	775.11 (24.07)	790.82 (24.56)	788.93 (25.81)
Wheat	212.70 (13.94)	213.50 (13.73)	217.21 (14.44)	219.89 (14.16)	219.03 (13.91)	732.65 (13.63)	763.27 (13.57)	760.14 (14.19)	774.64 (14.15)	811.38 (13.28)
Maize	194.42 (4.82)	195.64 (4.61)	199.56 (4.80)	205.29 (4.82)	203.36 (4.90)	1112.84 (2.58)	1136.92 (2.44)	1154.92 (2.49)	1204.69 (2.63)	1162.12 (2.90)
Total cereals	720.22 (13.62)	717.17 (13.26)	731.97 (13.81)	738.06 (13.76)	735.43 (13.73)	2901.86 (11.08)	2964.21 (10.96)	3008.96 (11.37)	3070.65 (11.56)	3073.69 (11.79)
Total pulses	96.39 (35.98)	89.98 (34.52)	91.75 (34.35)	95.31 (35.44)	97.09 (36.97)	91.11 (27.99)	85.01 (25.36)	91.03 (25.67)	89.62 (28.67)	96.04 (28.75)
Groundnut (except shelled)	29.82 (16.39)	29.45 (16.07)	30.26 (15.94)	32.66 (18.42)	31.11 (18.34)	51.84 (17.85)	49.25 (13.66)	54.41 (18.29)	54.57 (18.77)	55.05 (18.41)
Tobacco unmanufactured	3.27 (13.10)	3.32 (12.81)	3.18 (13.30)	3.17 (13.33)	3.15 (13.41)	6.05 (12.30)	6.49 (11.50)	5.82 (12.90)	5.89 (12.87)	5.77 (13.23)
Sugarcane	26.36 (17.97)	26.94 (18.78)	26.08 (17.65)	25.84 (18.78)	26.12 (19.77)	1932.58 (19.66)	1959.25 (20.69)	1880.34 (19.70)	1863.42 (21.76)	1925.50 (22.82)

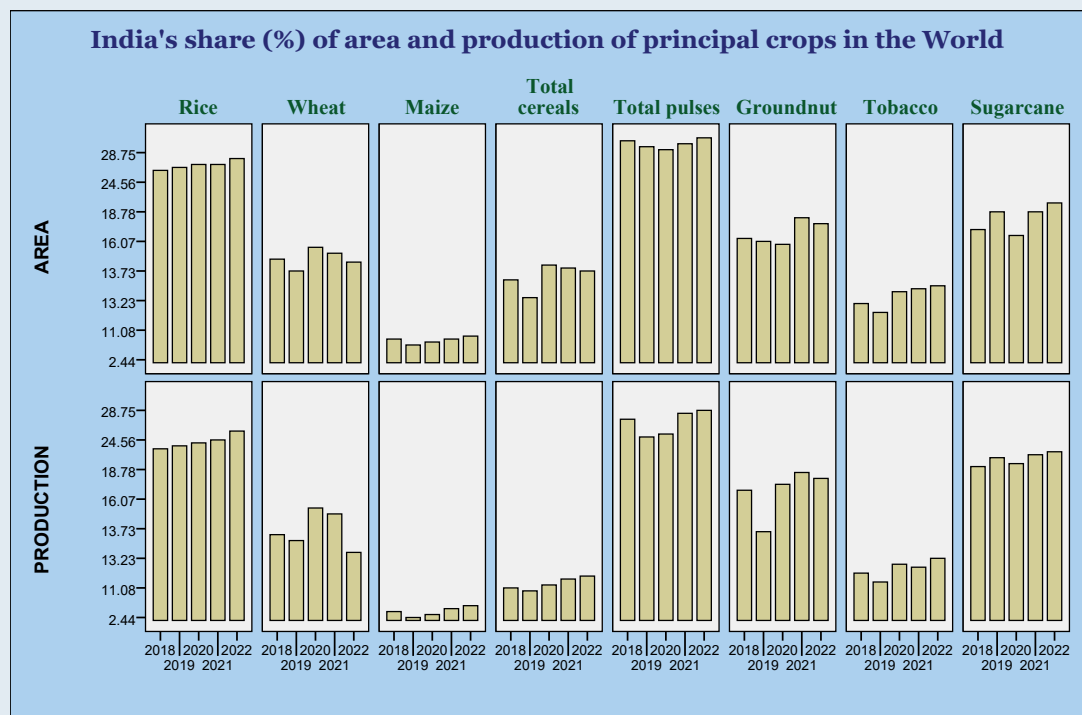
Note : Figures in parenthesis denote India's share to World area and production of principal crops.**Source** : FAOSTAT website as on 15.09.2025 (<https://www.fao.org/faostat/en/#data>).

Table 8.3: Rank of India in World production and consumption of fertilizer nutrients in 2022

(Production & Consumption: million t)

Fertilizer	Country	Production	India's Rank in World	Country	Consumption	India's Rank in World
Nitrogen (N)	World	118.1	II	World	109.3	II
	China	25.6		China	24.8	
	India	15.7		India	20.2	
	USA	13.8		USA	12.0	
Phosphate (P ₂ O ₅)	World	46.1	IV	World	44.1	II
	China	12.9		China	11.0	
	Morocco	5.4		India	7.9	
	USA	5.1		Brazil	5.8	
	India	5.0		USA	3.9	
Potash (K ₂ O)	India	-	*	World	34.7	V
				China	8.9	
				Brazil	7.1	
				USA	4.6	
				Indonesia	1.9	
				India	1.7	
N+P ₂ O ₅ +K ₂ O	World	164.2 ^{\$}	II	World	188.1	II
	China	38.5 ^{\$}		China	44.7	
	India	20.7^{\$}		India	29.8	
	USA	18.9 ^{\$}		USA	20.5	

Note : 1. *: There is no known source of K₂O in India, 2. P₂O₅ includes ground rock phosphate for direct application, 3. \$: N+P₂O₅.

Source : *Fertilizer Statistics 2023-24*, The Fertilizer Association of India, New Delhi.

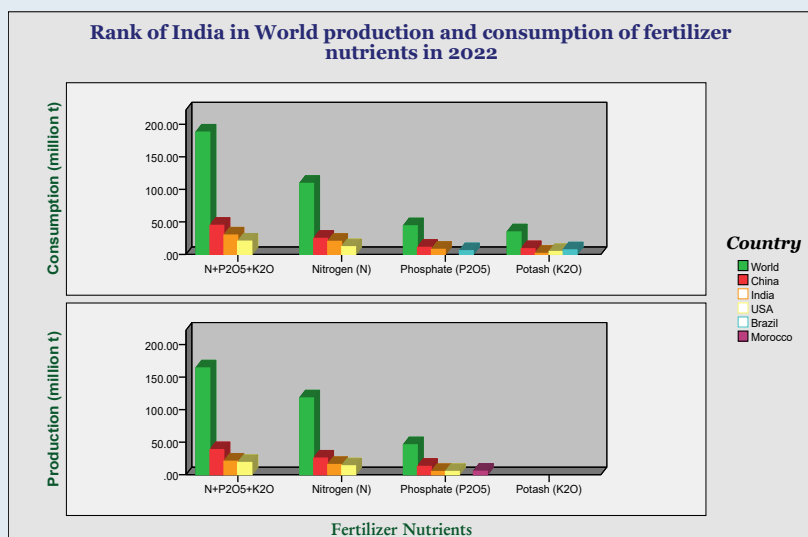


Table 8.4: Fertilizer consumption per hectare of agricultural land in selected countries in 2021 and 2022

(kg)

Continent/Country	2021				2022			
	N	P ₂ O ₅	K ₂ O	Total	N	P ₂ O ₅	K ₂ O	Total
Africa								
Egypt	330.3	56.0	27.3	413.6	314.6	59.1	33.8	407.4
Morocco	4.0	4.5	2.1	10.6	5.3	7.0	1.0	13.4
South Africa	8.9	2.8	2.9	14.6	7.4	2.6	2.3	12.4
North America								
Canada	47.8	18.1	14.2	80.1	50.2	18.4	12.6	81.2
USA	27.0	8.5	9.8	45.3	29.0	9.4	11.2	49.6
Latin America and the Caribbean								
Brazil	27.2	31.2	35.5	94.0	25.8	26.1	31.9	83.7
Chile	22.5	13.3	12.4	48.1	17.3	4.9	9.7	31.8
Mexico	17.5	4.9	3.9	26.3	15.7	3.6	3.3	22.6
Asia								
Bangladesh	162.8	118.8	48.4	330.0	151.9	108.0	43.6	303.6
China	43.6	22.1	15.7	81.5	47.7	21.1	17.1	85.9
India	108.9	43.9	14.2	166.9	113.2	44.4	9.6	167.2
	(88.7)	(35.7)	(11.5)	(136.0)	(92.1)	(36.1)	(7.8)	(136.1)
Indonesia	59.1	25.5	43.5	128.1	55.6	23.0	34.5	113.1
Japan	74.9	64.1	53.5	192.5	72.8	58.9	42.5	174.2
Korea Republic	162.0	52.2	73.2	287.5	143.8	48.5	66.4	258.6
Malaysia	49.3	36.9	154.2	240.4	42.3	31.8	91.4	165.6
Myanmar	28.4	7.1	9.1	44.6	37.2	9.2	12.0	58.3
Nepal	37.9	14.8	0.0	52.7	17.7	11.3	1.3	30.3
Pakistan	104.1	30.3	2.0	136.4	100.2	20.5	0.8	121.5
Sri Lanka	32.8	8.5	30.1	71.3	53.4	5.9	9.5	68.8
Thailand	55.0	20.7	25.4	101.0	50.6	14.0	20.7	85.4
Turkey	47.3	16.5	4.1	68.0	40.3	14.7	2.9	58.0
Vietnam	123.2	67.1	58.4	248.6	105.8	54.8	35.2	195.9
Europe								
Belarus	52.4	11.9	52.3	116.5	57.2	12.0	66.0	135.1
Denmark	75.6	10.8	23.7	110.1	74.7	12.5	19.9	107.1
France	67.6	12.5	14.1	94.2	61.0	7.8	7.7	76.5
Germany	66.1	6.9	18.4	91.5	62.3	7.0	14.5	83.8
Netherlands	95.6	4.2	22.2	122.0	91.2	4.2	16.1	111.5
Poland	64.8	20.7	34.5	120.0	60.3	19.5	25.7	105.6
Russian Fed.	12.5	4.5	3.3	20.3	16.4	4.8	3.9	25.1
Spain	31.5	13.0	13.1	57.7	28.9	9.9	10.7	49.5
Ukraine	48.4	11.2	8.3	67.9	16.8	2.3	2.0	21.0
United Kingdom	50.1	6.4	11.4	68.0	51.7	6.1	10.9	68.7
Oceania								
Australia	5.3	3.2	1.0	9.4	4.7	2.3	0.7	7.7
New Zealand	39.2	32.4	14.5	86.1	50.2	27.1	12.5	89.9
World	22.8	10.1	8.0	40.9	22.9	9.2	7.2	39.3

Note : Figures in parenthesis indicate fertilizer consumption per hectare of gross cropped area. Data for gross cropped area pertains to 2021-22 and 2022-23.

Source : *Fertilizer Statistics 2023-24*, The Fertilizer Association of India, New Delhi.

Table 8.5: Fertilizer consumption and yield of principal crops in selected countries in 2022 (Provisional)

(kg)

Continent/ Country	Fertilizer consumption (N+P ₂ O ₅ +K ₂ O)			Yield per ha [@]			
	Per ha of		Per capita of agricultural population ^s	Paddy	Wheat	Maize	Potato
	Agriculture land	Arable land & land under permanent crop					
Africa							
Egypt	407.4	407.4	73.5	8974	6782	8065	28862
Morocco	13.4	43.6	49.8	7771	1111	311	32819
South Africa	12.4	95.9	250.0	2888	3685	5376	37803
North America							
Canada	81.2	120.3	7486.3	-	3406	10069	41924
USA	49.6	132.2	4057.9	8276	3127	10880	49089
Latin America and the Caribbean							
Brazil	83.7	294.4	912.1	6638	3266	5201	33020
Chile	31.8	182.7	149.8	4855	5892	11030	28013
Mexico	22.6	99.0	108.5	6552	6093	3928	31223
Asia							
Bangladesh	303.6	324.2	42.8	4891	3450	8912	21863
China	85.9	350.4	53.9	7080	5855	6436	16698
India	167.2	177.6 (136.1)	50.2	4229	3537	3387	25236
Indonesia	113.1	140.5	71.7	5238	-	5794	19602
Japan	174.2	186.7	319.6	6921	4371	2588	30588
Korea Rep.	258.6	268.1	198.3	6875	3794	5641	25321
Malaysia	165.6	171.3	426.9	3704	-	7013	-
Nepal	30.3	58.2	4.0	3787	2991	3152	17204
Pakistan	121.5	141.1	58.5	3690	2920	5922	25267
Sri Lanka	68.8	81.5	21.4	3045	-	3078	13781
Thailand	85.4	88.4	71.5	2988	1056	4570	18234
Turkey	58.0	93.5	156.8	7883	2992	9325	37391
Vietnam	195.9	206.6	43.3	6020	-	4995	16736
Europe							
Belarus	135.1	192.0	1338.6	-	2956	4203	22245
Denmark	107.1	117.5	2051.1	-	8376	7225	44216
France	76.5	110.0	1780.8	5483	6997	7470	38113
Germany	83.8	117.3	1127.5	-	7577	8403	40103
Netherlands	111.5	193.1	506.8	-	9393	8801	42612
Poland	105.6	129.6	271.1	-	5239	6977	30753
Russian Fed.	25.1	43.8	482.4	5423	3551	5999	17384
Spain	49.5	78.7	675.6	6253	2996	11423	31334
Ukraine	21.0	25.7	957.9	4414	3925	6349	17354
UK	68.7	191.6	230.6	-	8590	-	37898
Oceania							
Australia	7.7	88.2	3210.8	11055	2847	8175	42036
New Zealand	89.9	1448.1	2607.4	-	9390	11531	50861
World	39.3	119.5	71.8	4705	3689	5718	21069

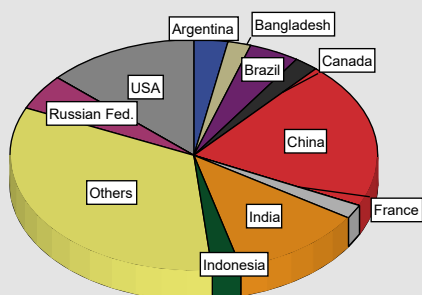
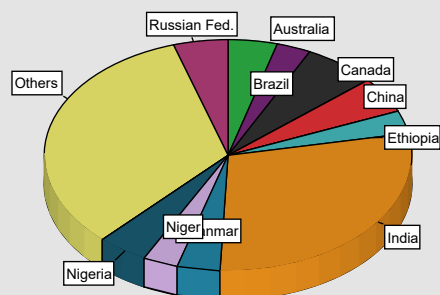
Note : 1. \$: Based on agricultural population 2011, 2. @: Yield figures have been rounded, 3. Figure in parenthesis denotes fertilizer consumption per hectare of gross cropped area pertaining to 2022-23.

Source : *Fertilizer Statistics 2023-24*, The Fertilizer Association of India, New Delhi.

Table 8.6: Major cereals and pulses producing countries in the World in 2022

(Area: million ha, Production: million t, Yield: t/ha)

Country	Cereals			Country	Pulses		
	Area	Production	Yield		Area	Production	Yield
China	99.22	633.13	6.38	India	35.90	27.62	0.77
USA	50.70	408.90	8.07	Canada	3.28	6.16	1.88
India	100.99	362.47	3.59	China	2.62	4.82	1.84
Russian Fed.	44.65	153.10	3.43	Russian Fed.	2.31	4.61	2.0
Brazil	27.66	135.74	4.91	Nigeria	5.04	4.27	0.85
Argentina	18.06	91.58	5.07	Australia	2.32	4.15	1.79
Indonesia	13.22	77.11	5.83	Myanmar	3.82	3.62	0.95
Canada	15.95	65.04	4.08	Ethiopia	1.62	3.05	1.89
Bangladesh	12.50	62.55	5.01	Niger	6.03	2.96	0.49
France	9.01	59.93	6.65	Brazil	2.67	2.89	1.08
Others	343.49	1024.14	2.98	Others	31.49	31.89	1.01
World	735.43	3073.69	4.18	World	97.09	96.04	0.99

Source : FAOSTAT website as on 15.09.2025 (<https://www.fao.org/faostat/en/#data>).**Major cereals and pulses producing countries in the World in 2022****Total Cereals****Total Pulses****Country**

Argentina
Australia
Bangladesh
Brazil

Canada
China
Ethiopia
France

India
Indonesia
Myanmar
Niger

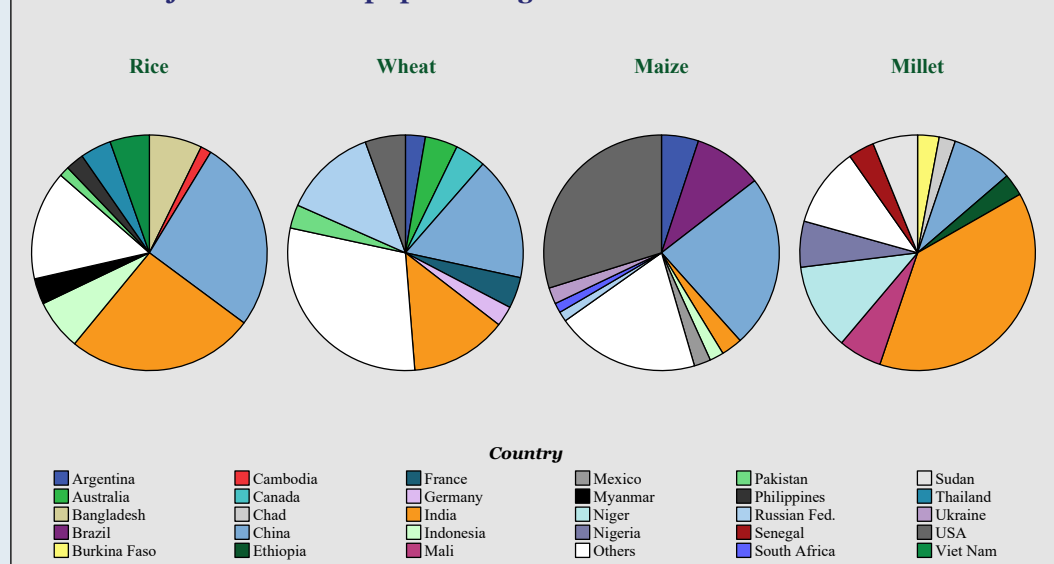
Nigeria
Others
Russian Fed.
USA

Table 8.7: Major selected crops producing countries in the World in 2022

(Area: million ha, Production: million t, Yield: t/ha)

Country	Rice			Country	Wheat		
	Area	Production	Yield		Area	Production	Yield
China	29.45	208.49	7.08	China	23.52	137.72	5.86
India	47.83	203.62	4.26	India	30.46	107.74	3.54
Bangladesh	11.69	57.19	4.89	Russian Fed.	29.35	104.23	3.55
Indonesia	10.45	54.75	5.24	USA	14.36	44.90	3.13
Viet Nam	7.09	42.66	6.02	Australia	12.73	36.24	2.85
Thailand	11.21	33.63	3.00	France	4.95	34.63	7.00
Myanmar	7.09	27.98	3.95	Canada	10.08	34.33	3.41
Philippines	4.80	19.76	4.11	Pakistan	8.98	26.21	2.92
Cambodia	3.30	11.62	3.52	Germany	2.98	22.59	7.58
Pakistan	2.98	10.98	3.69	Argentina	6.55	22.15	3.38
Others	31.62	118.24	3.74	Others	75.07	240.64	3.21
World	167.52	788.93	4.71	World	219.03	811.38	3.70

Country	Maize			Country	Millet		
	Area	Production	Yield		Area	Production	Yield
USA	31.85	346.74	10.89	India	8.49	11.85	1.40
China	43.07	277.20	6.44	Niger	6.78	3.66	0.51
Brazil	21.07	109.74	5.21	China	0.84	2.62	3.12
Argentina	8.77	59.04	6.73	Nigeria	2.00	1.94	0.97
India	9.96	33.73	3.39	Sudan	3.77	1.90	0.50
Mexico	6.81	26.55	3.90	Mali	2.10	1.84	0.88
Ukraine	4.12	26.19	6.35	Senegal	0.97	1.10	1.33
Indonesia	2.76	22.36	8.09	Ethiopia	0.37	0.94	2.57
Russian Fed.	2.64	15.86	6.00	Burkina Faso	1.04	0.91	0.87
South Africa	2.62	15.47	5.90	Chad	1.19	0.69	0.58
Others	69.69	229.24	3.29	Others	3.60	3.37	0.94
World	203.36	1162.12	5.71	World	31.16	30.83	0.99

Major selected crops producing countries in the World in 2022

India's Position in World Agriculture

(Area: million ha, Production: million t, Yield: t/ha)

Country	Sugarcane			Country	Chick Pea (Dry)		
	Area	Production	Yield		Area	Production	Yield
Brazil	9.89	726.05	73.44	India	10.74	13.54	1.26
India	5.18	439.42	84.91	Australia	0.62	1.06	1.73
China	1.29	103.38	80.19	Türkiye	0.46	0.58	1.27
Thailand	1.43	92.16	64.58	Russian Fed.	0.34	0.47	1.36
Pakistan	1.32	87.98	66.71	Myanmar	0.34	0.43	1.29
Mexico	0.80	55.56	69.86	Ethiopia	0.20	0.40	2.00
Indonesia	0.49	36.00	73.47	Pakistan	0.86	0.32	0.37
Colombia	0.38	35.76	93.06	Mexico	0.11	0.19	1.70
USA	0.38	31.45	83.55	Iran (IR) ^s	0.44	0.17	0.38
Australia	0.34	28.67	85.32	USA	0.14	0.17	1.21
Others	4.70	289.06	61.54	Others	0.48	0.58	1.22
World	26.18	1925.50	73.56	World	14.72	17.91	1.22

Country	Soybean			Country	Groundnut (excluding shelled)		
	Area	Production	Yield		Area	Production	Yield
Brazil	41.05	121.29	2.95	China	4.68	18.33	3.91
USA	34.87	116.22	3.33	India	5.70	10.13	1.78
Argentina	15.87	43.86	2.76	Nigeria	3.40	4.28	1.26
China	10.24	20.28	1.98	Sudan	3.07	2.64	0.86
India	12.15	12.99	1.07	USA	0.56	2.51	4.50
Canada	2.12	6.54	3.09	Myanmar	1.22	1.75	1.44
Russian Fed.	3.36	6.00	1.79	Senegal	1.23	1.50	1.23
Paraguay	3.54	5.22	1.47	Argentina	0.41	1.35	3.31
Bolivia (PS)*	1.52	3.46	2.27	Guinea	0.85	1.03	1.20
Ukraine	1.53	3.44	2.26	Tanzania [#]	1.02	0.94	0.92
Others	7.95	14.39	1.81	Others	8.97	10.59	1.18
World	134.20	353.70	2.64	World	31.11	55.05	1.77

Note : 1. *: Bolivia (Plurinational State of), 2. #: United Republic of Tanzania, 3. \$: Iran (Islamic Republic of).

Source : FAOSTAT website as on 15.09.2025 (<https://www.fao.org/faostat/en/#data>).

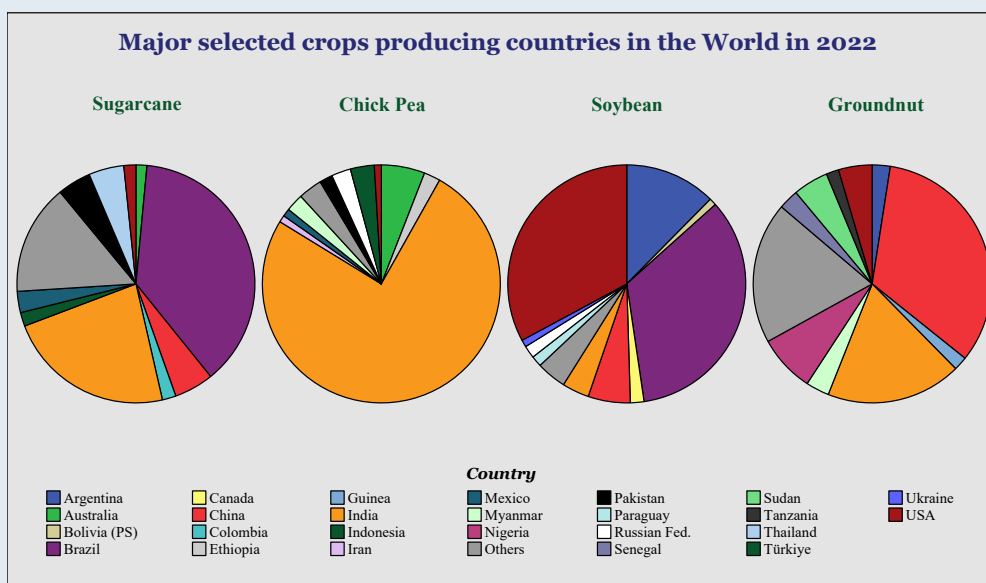


Table 8.8: Major fruits and vegetables producing countries in the World in 2022

(Area: million ha, Production: million t, Yield: t/ha)

Country	Fruits			Country	Vegetables		
	Area	Production	Yield		Area	Production	Yield
China	15.79	266.30	16.86	China	23.62	610.72	25.85
India	7.51	111.07	14.79	India	9.28	145.10	15.63
Brazil	2.32	41.93	18.10	USA	0.88	29.41	33.44
Türkiye	1.36	25.69	18.86	Türkiye	0.65	26.61	41.12
Indonesia	0.94	25.28	26.77	Viet Nam	1.04	17.78	17.17
Mexico	1.61	24.79	15.37	Egypt	0.70	17.64	25.09
USA	1.07	21.76	20.37	Nigeria	4.53	16.18	3.57
Italy	1.13	18.12	16.05	Mexico	0.68	14.76	21.55
Nigeria	1.99	16.87	8.49	Russian Fed.	0.47	13.23	28.23
Philippines	1.32	16.59	12.55	Indonesia	1.19	13.21	11.09
Others	32.90	375.06	11.40	Others	15.74	266.64	16.94
World	67.94	943.47	13.89	World	58.79	1171.28	19.92

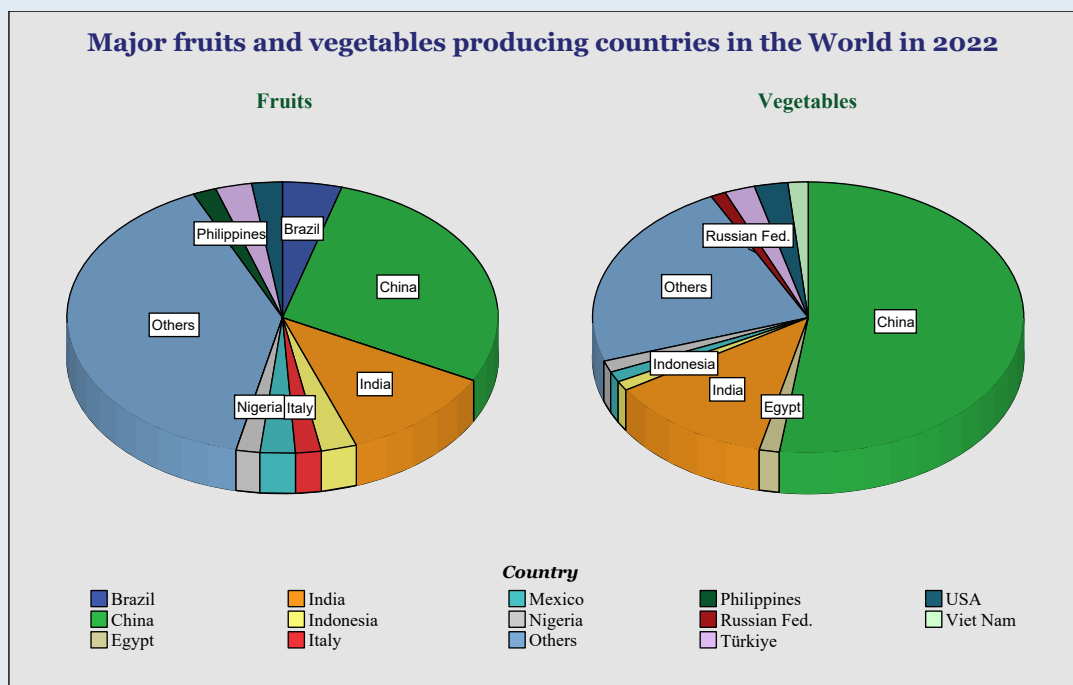
Source : FAOSTAT website as on 15.09.2025 (<https://www.fao.org/faostat/en/#data>).**Major fruits and vegetables producing countries in the World in 2022**

Table 8.9: Major selected fruits producing countries in the World in 2022

(Area: million ha, Production: million t, Yield: t/ha)

Country	Banana			Country	Apple		
	Area	Production	Yield		Area	Production	Yield
India	0.96	34.53	35.85	China	1.96	47.57	24.32
China	0.33	11.78	36.03	Türkiye	0.17	4.82	28.18
Indonesia	0.15	9.25	60.10	USA	0.12	4.52	36.98
Nigeria	0.54	8.02	14.83	Poland	0.15	4.26	28.08
Brazil	0.46	6.92	15.10	India	0.32	2.59	8.22
Ecuador	0.17	6.12	35.03	Russian Fed.	0.24	2.38	10.10
Philippines	0.18	5.90	31.91	Italy	0.05	2.26	41.99
Angola	0.17	4.59	26.67	Iran (IR) [#]	0.10	1.99	20.39
Guatemala	0.08	4.48	56.12	France	0.05	1.79	33.06
Tanzania*	0.35	3.61	10.24	Chile	0.03	1.46	50.43
Others	2.51	40.31	16.06	Others	1.47	21.97	14.98
World	5.92	135.51	22.90	World	4.65	95.61	20.55

Country	Oranges			Country	Mango, Guava & Mangosteens		
	Area	Production	Yield		Area	Production	Yield
Brazil	0.57	16.93	29.79	India	2.70	26.30	9.73
China	0.40	7.60	18.91	Indonesia	0.30	4.13	13.58
Mexico	0.34	4.85	14.41	China	0.38	3.80	9.97
India	0.23	3.90	17.08	Pakistan	0.21	2.78	13.03
Egypt	0.14	3.16	21.81	Mexico	0.22	2.50	11.23
USA	0.19	3.11	16.66	Brazil	0.10	2.19	21.79
Spain	0.14	2.82	19.54	Malawi	0.06	2.02	33.84
Indonesia	0.07	2.68	38.01	Thailand	0.13	1.65	12.52
Iran (IR) [#]	0.06	2.32	37.75	Egypt	0.15	1.65	10.62
Italy	0.08	1.78	21.03	Bangladesh	0.14	1.45	10.44
Others	1.15	19.33	16.83	Others	1.67	12.05	7.22
World	3.38	68.48	20.28	World	6.08	60.50	9.95

Note : 1. *: United Republic of Tanzania, 2. #: Iran (Islamic Republic of).

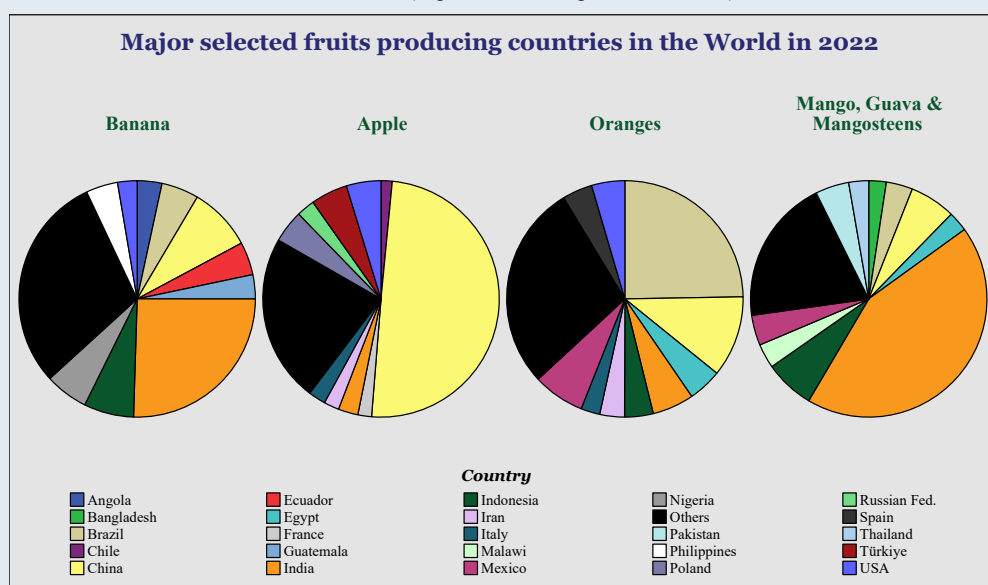
Source : FAOSTAT website as on 15.09.2025 (<https://www.fao.org/faostat/en/#data>).

Table 8.10: Major selected vegetables producing countries in the World in 2022

(Area: million ha, Production: million t, Yield: t/ha)

Country	Potato			Country	Tomato		
	Area	Production	Yield		Area	Production	Yield
China	4.53	92.30	20.35	China	1.14	68.30	59.94
India	2.23	56.18	25.24	India	0.84	20.69	24.55
Ukraine	1.20	20.90	17.35	Türkiye	0.16	13.00	81.91
Russian Fed.	1.09	18.89	17.38	USA	0.11	10.23	92.98
USA	0.37	18.24	49.08	Egypt	0.16	6.37	40.38
Germany	0.27	10.68	40.10	Italy	0.10	6.14	62.87
Bangladesh	0.46	10.14	21.86	Mexico	0.09	4.22	47.00
France	0.21	8.07	38.11	Brazil	0.05	3.82	70.27
Pakistan	0.31	7.94	25.27	Spain	0.05	3.65	80.88
Egypt	0.25	7.21	29.34	Nigeria	1.00	3.60	3.61
Others	5.73	122.86	21.44	Others	1.55	46.61	30.06
World	16.66	373.40	22.42	World	5.24	186.63	35.59

Country	Onion (Dry) ^{\$}			Country	Cabbage		
	Area	Production	Yield		Area	Production	Yield
India	1.94	31.69	16.33	China	1.00	35.39	35.50
China	1.12	24.69	22.03	India	0.42	9.83	23.23
Egypt	0.10	3.72	36.59	Korea*	0.04	2.52	66.66
USA	0.05	3.18	58.18	Russian Fed.	0.07	2.30	35.31
Bangladesh	0.21	2.52	12.25	Ukraine	0.06	1.53	25.86
Türkiye	0.06	2.35	40.78	Indonesia	0.07	1.50	21.83
Pakistan	0.14	2.06	14.64	Japan	0.03	1.46	43.01
Indonesia	0.18	1.98	10.72	Kenya	0.03	1.38	39.66
Iran (IR) [#]	0.05	1.93	37.36	Viet Nam	0.04	1.17	30.32
Algeria	0.05	1.76	35.29	USA	0.02	1.00	46.88
Others	2.11	35.63	16.92	Others	0.58	15.56	27.05
World	6.01	111.50	18.54	World	2.35	73.64	31.27

Note : 1. \$: Onions and shallots, dry (excluding dehydrated), 2. #: Iran (Islamic Republic of), 3. *: Republic of Korea.

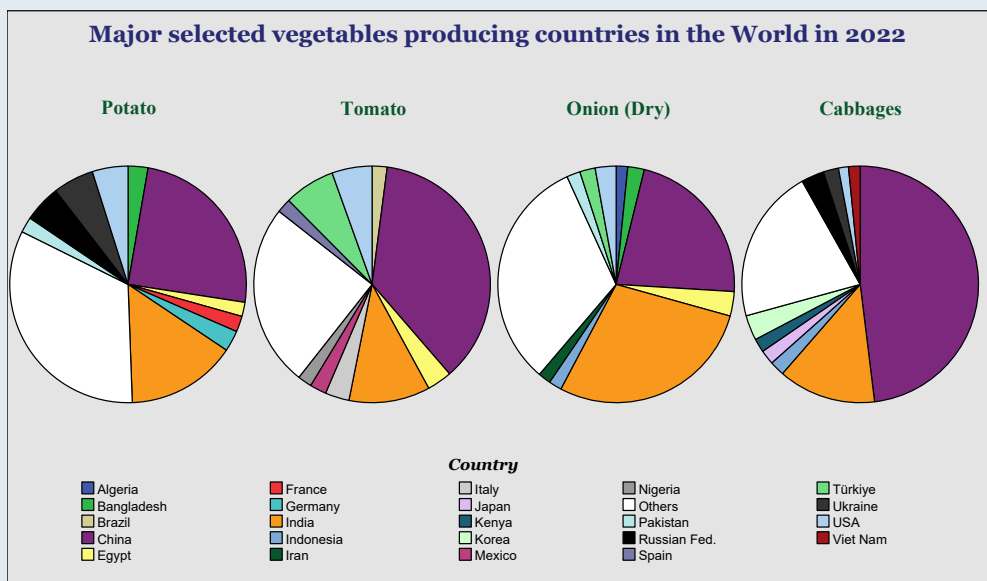
Source : FAOSTAT website as on 15.09.2025 (<https://www.fao.org/faostat/en/#data>).

Table 8.11: Yield per hectare of different crops in selected countries in 2022

Country	Rice	Wheat	Maize	Total cereals	Total pulses	Potato	Soybean	Sugarcane
Argentina	65.70	33.83	67.33	50.70	15.14	355.47	27.63	330.96
Australia	110.55	28.47	81.75	28.81	17.88	420.36	22.43	853.25
Austria	N.A.	57.95	98.17	68.96	23.36	320.07	26.50	N.A.
Bangladesh	48.91	34.50	89.12	50.05	11.59	218.63	16.84	427.25
Brazil	66.38	32.66	52.09	49.07	10.81	330.72	29.55	734.38
Bulgaria	60.79	53.44	49.08	51.51	N.A.	188.00	10.72	N.A.
Canada	N.A.	34.06	100.69	40.79	18.82	408.11	30.89	N.A.
Chile	48.55	58.92	110.30	61.14	16.88	280.13	N.A.	N.A.
China, mainland	70.80	58.55	64.36	63.81	18.42	203.53	19.80	801.92
China, Taiwan ^a	65.94	30.00	64.61	65.10	16.16	226.50	16.67	651.65
Colombia	46.31	28.21	41.53	43.97	13.98	219.84	25.95	930.57
Costa Rica	43.84	N.A.	18.02	40.62	7.24	262.52	N.A.	651.43
Croatia	N.A.	60.03	61.25	58.23	15.29	140.30	21.48	N.A.
Denmark	N.A.	83.76	72.25	72.41	42.76	442.16	N.A.	N.A.
Dominican Republic	52.03	N.A.	18.46	47.08	11.86	275.34	N.A.	475.92
Ecuador	37.09	16.91	45.28	40.52	6.19	140.26	13.32	684.11
Egypt	89.05	66.99	75.08	70.80	42.82	293.43	31.47	1111.61
Ethiopia	34.67	30.53	40.00	28.23	18.89	172.66	25.00	439.02
France	54.83	69.97	74.70	66.55	25.84	381.13	20.44	N.A.
Germany	N.A.	75.77	84.03	71.26	31.89	401.03	23.40	N.A.
Greece	74.62	29.17	105.80	41.43	14.18	296.70	5.31	N.A.
Hungary	43.56	44.48	33.87	40.32	21.63	243.24	20.29	N.A.
India	42.57	35.37	33.87	35.89	7.69	252.36	10.69	849.06
Indonesia	52.38	N.A.	80.88	58.34	10.98	196.02	20.20	734.68
Iran IR*	45.85	21.29	63.76	23.18	6.27	294.91	24.42	1000.96
Italy	56.63	37.20	83.33	47.50	19.55	283.43	27.54	N.A.
Japan	69.79	43.71	26.82	63.20	17.30	319.75	16.02	548.28

Kuwait	N.A.	43.18	181.65	144.92	N.A.	362.63	N.A.	500.00
Lao PDR [#]	43.94	N.A.	49.89	44.54	15.36	312.72	24.74	493.58
Mexico	65.00	60.60	39.00	39.50	7.84	312.63	15.21	698.64
Netherlands ^{##}	N.A.	93.93	88.01	88.85	48.00	426.12	N.A.	N.A.
New Zealand	N.A.	93.90	115.31	83.85	34.28	506.82	N.A.	N.A.
North Macedonia	60.95	32.04	47.77	34.72	18.31	157.25	16.51	N.A.
Paraguay	47.39	22.46	37.39	35.05	8.12	145.99	14.75	558.92
Peru	83.25	17.67	34.98	46.39	13.60	176.25	21.96	1207.44
Philippines	41.12	N.A.	32.69	38.22	8.80	162.23	14.23	584.35
Portugal	57.07	19.94	96.19	51.37	N.A.	220.42	N.A.	N.A.
Republic of Korea	68.75	41.85	58.93	66.12	16.87	239.25	20.32	N.A.
Russian Federation	54.23	35.51	59.99	34.29	19.96	173.84	17.89	N.A.
South Africa	28.72	37.23	58.98	53.27	9.80	377.59	24.10	693.14
Spain	62.53	29.96	114.23	33.07	9.36	313.34	28.50	N.A.
Sri Lanka	30.45	N.A.	30.78	30.33	10.57	137.81	19.90	570.11
Sweden	N.A.	69.95	68.93	61.07	35.22	364.03	N.A.	N.A.
Switzerland	N.A.	54.66	98.94	60.81	32.78	355.41	21.33	N.A.
Tajikistan	101.12	30.37	142.20	35.62	38.91	195.08	3.29	N.A.
Thailand	30.00	10.39	46.74	31.06	9.55	182.34	16.61	645.76
Türkiye	78.83	29.92	93.25	34.65	14.49	373.91	40.78	N.A.
Ukraine	44.14	39.25	63.49	46.14	19.19	173.54	22.55	N.A.
USA	82.78	31.27	108.86	80.66	18.48	490.78	33.33	835.54
Uruguay	91.91	42.50	57.61	52.99	10.02	237.60	27.99	758.99
Uzbekistan	77.53	49.88	104.57	50.08	36.45	315.57	28.15	N.A.
Venezuela [^]	30.98	27.85	40.00	35.27	9.79	199.02	13.37	506.11
Viet Nam	60.18	N.A.	49.96	59.04	10.10	167.36	16.09	654.38
World	47.10	37.04	57.15	41.79	9.89	224.18	26.36	735.59

Note : 1. N.A.: Not available, 2. @: China, Taiwan Province of, 3. *: Iran (Islamic Republic of), 4. #: Lao People's Democratic Republic, 5. ##: Netherlands (Kingdom of the), 6. ^: Venezuela (Bolivarian Republic of).

Source : FAOSTAT website as on 15.09.2025 (<https://www.fao.org/faostat/en/#data>).

भाग-IX
कृषि अनुसंधान एवं शिक्षा में निवेश

SECTION-IX
Investment in
Agricultural Research and Education

**Table 9.1(a): Gross Value Added (GVA) by Economic Activity
(at Current Basic Prices)**

(crore ₹)

Industry	2018-19	2019-20	2020-21	2021-22	2022-23#	2023-24\$	2024-25&
Crops	1680777	1885276	2063990	2280312	2414289	2652891	N.A.
Livestock	882009	977918	1113089	1238401	1364763	1505615	N.A.
Forestry and Logging	255053	269727	284445	297337	344683	351237	N.A.
Fishing and Aquaculture	212087	235550	244945	283422	325598	368124	N.A.
Agriculture, Forestry and Fishing	3029925	3368471	3706469	4099473	4449332	4877867	5413356
NVA at Basic Prices	15190838	16217506	15870410	18968780	21517457	24052477	26335514
Per Capita Income (in Rupees)	125946	132341	127244	150906	169145	188892	205579

Note : 1. N.A.: Not Available, 2. #: Final Estimates, 3. \$: First Revised Estimates, 4. &: Second Advance Estimates (As on 28.02.2025)

Source : *Agricultural Statistics at a Glance 2024*, Directorate of Economics and Statistics, Ministry of Agriculture and Farmers Welfare, Govt. of India (In press)

Table 9.1 (b): Sectoral Share in Gross Value Added at Current Basic Prices

Industry	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23#	2023-24\$	2024-25&
I. Agriculture, Forestry & Fishing	18.3	17.6	18.3	20.4	18.9	18.1	17.8	18
Crops	10.5	9.8	10.3	11.3	10.5	9.8	9.7	N.A.
Livestock	5.1	5.1	5.3	6.1	5.7	5.5	5.5	N.A.
Forestry and Logging	1.4	1.5	1.5	1.6	1.4	1.4	1.3	N.A.
Fishing and Aquaculture	1.2	1.2	1.3	1.3	1.3	1.3	1.3	N.A.
II. Industry	29.2	29.1	26.9	27.4	28.9	27.7	27.8	27
Mining & Quarrying	2.2	2.2	1.9	1.8	2	2.1	1.9	1.8
Manufacturing	16.6	16.4	14.7	15.4	15.7	14.3	14.3	13.8
Electricity Gas, Water supply & Others	2.7	2.6	2.7	2.7	2.7	2.5	2.8	2.7
Construction	7.7	7.9	7.5	7.5	8.5	8.8	8.8	8.7
III. Services	52.5	53.3	54.8	52.3	52.2	54.3	54.4	55.0
GVA at Basic Prices	100	100	100	100	100	100	100	100

Note : 1. N.A.: Not Available, 2. #: Final Estimates, 3. \$: First Revised Estimates, 4. &: Second Advance Estimates

Source : 1. *Agricultural Statistics at a Glance 2024*, Directorate of Economics and Statistics, Ministry of Agriculture and Farmers Welfare, Govt. of India (In press).

Table 9.2: National expenditure on Research and Development (R&D) and in relation to Gross Domestic Product (GDP)

(crore ₹)

Year	R&D expenditure at current prices	GDP at current prices	R&D as % of GDP
2000-01	16198.80	2177413	0.74
2001-02	17038.15	2355845	0.72
2002-03	18088.16	2536327	0.71
2003-04	20086.34	2841503	0.71
2004-05	24117.24	3242209	0.74
2005-06	29932.58	3693369	0.81
2006-07	34238.39	4294706	0.80
2007-08	39437.77	4987090	0.79
2008-09	47353.38	5630063	0.84
2009-10	53041.30	6477827	0.82
2010-11	60196.75	7784115	0.77
2011-12	65961.33	8736329	0.76
2012-13	73982.79	9944013	0.74
2013-14	79355.89	11233522	0.71
2014-15	87473.44	12467960	0.70
2015-16	95452.44	13771874	0.69
2016-17	103099.26	15391669	0.67
2017-18	113825.03	17090042	0.67
2018-19	124740.14	18899668	0.66
2019-20	132567.01	20074856	0.66
2020-21	127380.96	19800914	0.64

Note : 1. R&D : Research & Development. 2. R&D/GDP ratio have been revised as per the new GDP figures.

Source : *Research and Development Statistics at a glance 2022-23, Updated ST Indicators Tables 2022-23*, Department of Science and Technology, Ministry of Science and Technology, Govt. of India.

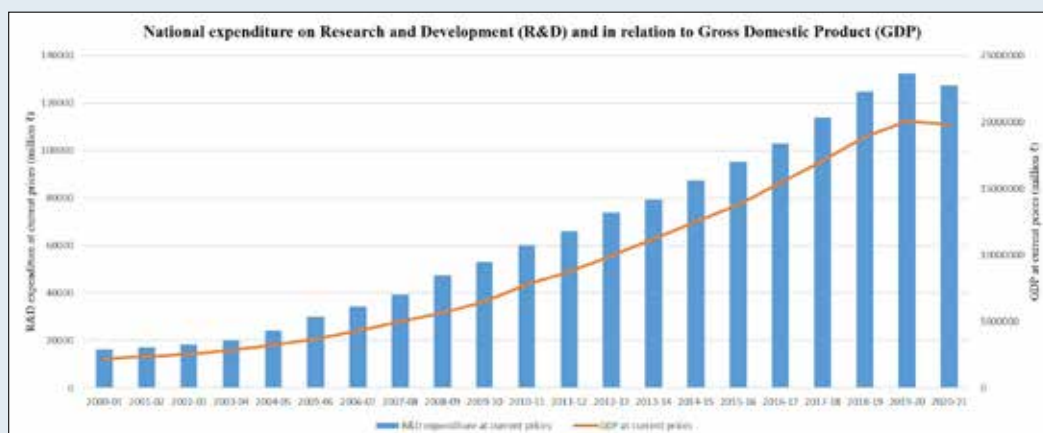


Table 9.3: National expenditure on Research and Development at Current and Constant prices

(crore ₹)

Year	At Current Prices	At Constant Prices
Base Year: 2004-05		
2000-01	16198.80	19042.89
2001-02	17038.15	19405.60
2002-03	18088.16	21563.84
2003-04	20086.34	21236.36
2004-05	24117.24	24117.24
2005-06	29932.58	28715.90
2006-07	34238.39	30864.41
2007-08	39437.77	33616.38
2008-09	47353.38	37145.07
2009-10	53041.30	39228.08
2010-11	60196.75	40850.18
Base Year: 2011-12		
2011-12	65961.33	65961.33
2012-13	73982.79	68544.23
2013-14	79355.89	69238.88
2014-15	87473.44	73860.68
2015-16	95452.44	78801.61
2016-17	103099.26	82444.97
2017-18	113825.03	87547.03
2018-19	124740.14	92354.96
2019-20	132567.01	95858.08
2020-21	127380.96	87222.81

Source : Research and Development Statistics at a glance 2022-23, Updated ST Indicators Tables 2022-23, Department of Science and Technology, Ministry of Science and Technology, Govt. of India.

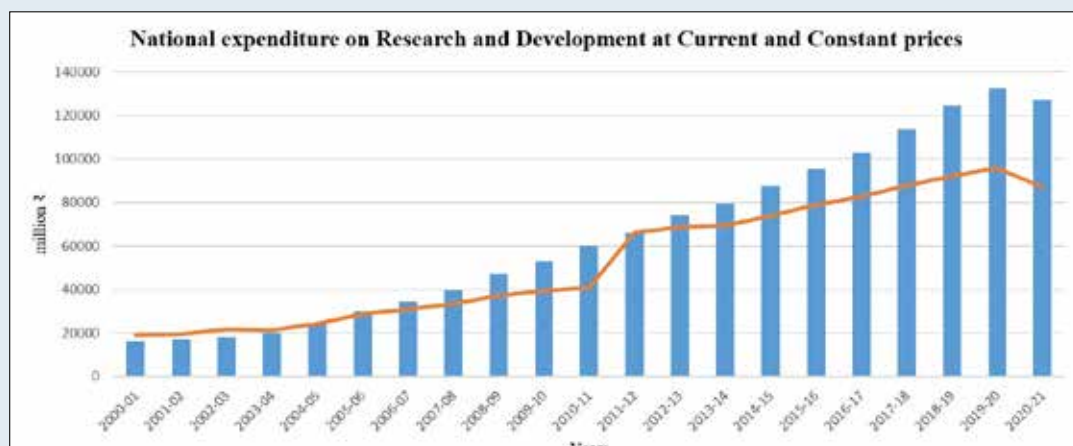


Table 9.4: Expenditure on Research and Development by major scientific agencies under Central Government

(crore ₹)

Agency	Research and Development Expenditure						
	2000-01	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Council of Scientific & Industrial Research (CSIR)	864.12	3988.14	4013.06	4582.12	4548.78	4871.63	4198.82
Defence Research & Development Organisation (DRDO)	3359.32	13317.12	13382.05	15195.87	17049.02	17425.60	15807.08
Department of Atomic Energy (DAE)	1005.52	4635.95	4750.39	5208.01	6323.78	7151.63	5839.02
Department of Biotechnology (DBT)	120.58	1210.25	1446.71	1771.65	2379.1	2358.77	2259.10
Ministry of Electronics and Information Technology (MEITY) +	51.07	351.51	409.85	386.55	951.35	1157.86	1155.95
Ministry of New and Renewable Energy (MNRE)	12.27	23.11	32.35	34.50	55.82	48.97	59.80
Ministry of Earth Sciences (MES) ++	84.23	839.25	951.24	1123.58	1004.59	1163.31	793.23
Department of Science & Technology (DST)	311.46	2800.76	3161.54	3526.64	3768.33	4053.38	3514.23
Department of Space (DOS)	1905.40	6920.01	8040	9130.57	11135.41	12966.54	9452.72
Indian Council of Agricultural Research (ICAR)	1161.74	4369.75	4592.95	5355.57	6223.80	6152.02	6358.66
Indian Council of Medical Research (ICMR)	149.12	918.02	1073.83	1468.70	1436.62	1521.17	1580.78
Ministry of Environment, Forest and Climate Change (MoEFCC)	272.86	192.84	220.21	260.87	440.48	456.53	422.66
Total	9297.69	39566.71	42074.18	48044.63	55317.08	59327.41	51442.05

Note : 1. Not including Public Sector Research and Development Expenditure, 2. + Formerly Ministry of Communications & Information Technology, 3. ++ Formerly Department of Ocean Development, 4. Data includes both Plan & Non-Plan R&D Expenditure.

Source : *Research and Development Statistics at a glance 2022-23, Updated ST Indicators Tables 2022-23*, Department of Science and Technology, Ministry of Science and Technology, Govt. of India.

Table 9.5: Percentage expenditure on Research and Development by major scientific agencies under the Central Sector to the total Research and Development expenditure

Agency	Research and Development Expenditure						
	2000-01	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Council of Scientific & Industrial Research (CSIR)	9.29	10.08	9.54	9.54	8.22	8.21	8.16
Defence Research & Development Organisation (DRDO)	36.13	33.66	31.81	31.63	30.82	29.37	30.73
Department of Atomic Energy (DAE)	10.81	11.72	11.29	10.84	11.43	12.05	11.35
Department of Biotechnology (DBT)	1.30	3.06	3.44	3.69	4.30	3.98	4.39
Ministry of Electronics and Information Technology (MEITY) +	0.55	0.89	0.97	0.80	1.72	1.95	2.25
Ministry of New and Renewable Energy (MNRE)	0.13	0.06	0.08	0.07	0.10	0.08	0.12
Ministry of Earth Sciences (MES) ++	0.91	2.12	2.26	2.34	1.82	1.96	1.54
Department of Science & Technology (DST)	3.35	7.08	7.51	7.34	6.81	6.83	6.83
Department of Space (DOS)	20.49	17.49	19.11	19.00	20.13	21.86	18.38
Indian Council of Agricultural Research (ICAR)	12.49	11.04	10.92	11.15	11.25	10.37	12.36
Indian Council of Medical Research (ICMR)	1.60	2.32	2.55	3.06	2.60	2.56	3.07
Ministry of Environment, Forest and Climate Change (MoEFCC)	2.93	0.49	0.52	0.54	0.80	0.77	0.82
Total	9297.69	39566.71	42074.18	48044.63	55317.08	59327.41	51442.05

Note : 1. + Formerly Ministry of Communications & Information Technology, 2. ++ Formerly Department of Ocean Development

Source : *Research and Development Statistics at a glance 2022-23, Updated ST Indicators Tables 2022-23*, Department of Science and Technology, Ministry of Science and Technology, Govt. of India.



Table 9.6: Division-wise break up of Revenue Receipts targets and actual achievement as per SH. 8-sales/services, SH. 10-fee/subscription and SH. 12- royalty / publication only

(lakh ₹)

Name of the Division	Revenue Receipts		
	Target for 2020-21*	Achievements for 2020-21	Target for 2025-26*
Crop Science	1697.63	1400.51	4267.00
Horticulture Science	1898.23	1447.76	3717.00
Animal Science	2845.29	2310.67	5524.00
Natural Resource Management	1546.70	1011.70	2239.00
Fisheries Science	516.48	306.84	1595.00
Agricultural Engineering	370.51	566.47	1801.00
Agricultural Economics and Statistics	21.34	38.93	-
Agricultural Education	248.88	150.00	817.00
Agricultural Extension	0.00	0.02	41.00
Agricultural Scientists Recruitment Board ^S	0.00	0.00	-
Publication & Information Division (D-KMA)	22.44	4.55	-
ICAR Headquarters, New Delhi (IPR)	0.00	0.00	-
Total Revenue Receipts and Targeted Receipts	9167.50	7237.45	20001.00

Note : 1. *: These include Income from Sales of Farm produce/livestock, Income from Services, Fee/Subscriptions and Income from Royalty, Publications etc. 2. \$: Since de-linking of ASRB from ICAR, revenue generation target has not been set for it from 2019-2020 onwards.

Source : ICAR-Budget Book 2021-22. (<https://icar.org.in/content/icar-budget-book-2021-22>)
<https://icar.org.in/sites/default/files/Circulars/Revenue%20generation%20targets%202025%2026%20.pdf>

Table 9.7: Total budget and expenditure of State Agricultural Universities

(million ₹)

State Agricultural University	Year	State		ICAR		Other Sources		Total	
		Alloca- tion	Expendi- ture	Alloca- tion	Expendi- ture	Alloca- tion	Expendi- ture	Alloca- tion	Expendi- ture
Andhra Pradesh									
Acharya N.G. Ranga Agricultural University, Guntur									
	2022-23	4376.01	4386.03	517.50	707.93	587.68	265.74	5481.19	5359.69
	2023-24	4799.35	4523.62	622.09	722.89	223.41	282.10	5644.86	5528.61
	2024-25	5060.38	4908.33	629.71	659.33	170.72	223.52	5860.81	5791.18
Sri Venkateswara Veterinary University, Tirupati									
	2020-21	1098.28	1070.74	50.57	61.72	71.09	55.00	1219.94	1187.46
	2021-22	1055.77	1241.44	72.17	72.17	53.67	60.04	1181.60	1373.65
	2022-23*	1393.43	1421.58	41.84	24.11	31.36	39.48	1466.64	1485.16
Dr YSR Horticultural University, Venkataramannagudem,Tadepalligudem									
	2019-20	636.03	476.21	129.03	121.27	417.76	373.04	1182.82	970.52
	2020-21	644.03	584.94	156.35	152.52	475.28	188.51	1275.66	925.97
	2021-22	599.12	580.30	139.87	135.85	172.10	135.52	911.09	851.67
Assam									
Assam Agricultural University, Jorhat									
	2021-22	4060.96	3474.17	1093.59	981.40	494.01	904.56	5648.57	5360.14
	2022-23	4231.94	4083.13	937.24	1032.55	614.67	743.60	5783.86	5859.29
	2023-24	44.74	45.39	1180.51	1120.68	564.21	562.16	1789.46	1728.23
Bihar									
Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur									
	2020-21	500.00	500.00	5.50	5.50	1356.80	1356.80	1862.30	1862.30
	2021-22	600.45	600.45	34.90	34.90	1870.00	1870.00	2509.40	2509.40
	2022-23	660.20	660.20	69.20	69.20	2145.70	2145.70	2876.90	2876.90
Bihar Agricultural University, Sabour, Bhagalpur									
	2021-22	1399.88	2506.76	507.28	551.73	366.36	172.94	2273.52	3231.43
	2022-23	1680.94	1646.93	441.99	450.13	178.88	272.06	2301.80	2369.12
	2023-24	2425.69	1906.62	534.20	480.78	439.59	289.71	3399.48	2677.11
Chhattisgarh									
Indira Gandhi Krishi Vishwavidyalaya, Raipur									
	2021-22	2424.42	1960.58	843.70	716.57	243.57	132.06	3511.69	2809.21
	2022-23	2805.61	2296.19	814.53	711.21	275.32	162.42	3895.45	3169.82
	2023-24	2999.71	2654.67	959.50	857.03	286.36	173.49	4245.56	3685.19
Dau Shri Vasudev Chandrakar Kamdhenu Vishwavidyalay, Anjora, Durg									
	2022-23	357.00	364.04	35.34	34.99	2.25	3.05	394.59	402.08
	2023-24	414.02	410.10	95.11	94.03	2.72	2.88	511.85	507.01
	2024-25	480.60	499.90	62.61	61.56	1.68	1.38	544.89	562.84
Gujarat									
Sardarkrushinagar Dantiwada Agricultural University, Dantiwada									
	2021-22	1843.07	1768.41	171.36	217.75	52.45	124.02	2066.87	2110.19
	2022-23	1961.26	1964.31	152.74	171.34	79.34	167.23	2193.34	2302.88
	2023-24	2010.25	1993.19	117.48	113.86	37.94	50.92	2165.67	2157.96

Investment in Agricultural Research & Education

State Agricultural University	Year	State		ICAR		Other Sources		Total	
		Alloca- tion	Expendi- ture	Alloca- tion	Expendi- ture	Alloca- tion	Expendi- ture	Alloca- tion	Expendi- ture
Anand Agricultural University, Anand									
	2022-23	2833.22	2625.64	232.7	183.51	323.27	155.94	3389.19	2965.09
	2023-24	2473.41	2351.35	391.92	327.92	392.71	218.99	3258.04	2898.27
	2024-25	2374.6	2362.92	197.34	184.71	147.22	211.09	2719.16	2758.72
Navsari Agricultural University, Navsari									
	2021-22	1816.00	1717.60	275.00	196.00	107.70	42.00	2198.70	1955.60
	2022-23	2246.40	2069.70	185.90	181.10	50.10	45.70	2482.40	2296.50
	2023-24	2022.60	1847.00	319.00	335.70	49.50	102.40	2391.10	2285.00
Junagadh Agricultural University, Junagadh									
	2022-23	2461.63	2287.84	354.94	386.29	155.57	125.52	2972.14	2799.65
	2023-24	2323.79	2133.79	448.54	390.13	166.58	132.68	2938.91	2656.60
	2024-25*	2326.91	2057.21	296.02	304.11	159.35	134.78	2782.28	2496.10
Kamdhenu University, Gandhinagar									
	2022-23	1211.34	1208.18	37.65	26.34	7.75	2.15	1256.74	1236.67
	2023-24	2408.50	1833.90	77.40	45.27	51.92	47.86	2537.82	1927.03
	2024-25	3438.50	2216.46	138.08	92.73	75.11	51.62	3651.69	2360.81
Haryana									
Ch. Charan Singh Haryana Agriculture University, Hisar									
	2022-23	6810.18	6621.89	547.23	545.56	591.01	267.50	7948.42	7434.95
	2023-24	6488.60	6133.53	699.73	687.83	519.57	217.96	7707.90	7039.32
	2024-25*	6370.20	6250.00	653.29	530.00	369.17	145.17	7392.66	6925.17
Lala Lajpat Rai University of Veterinary & Animal Sciences, Hisar									
	2022-23	1580.00	1327.48	20.24	19.11	151.74	48.68	1751.98	1395.27
	2023-24	1540.00	1355.00	84.98	84.19	63.13	48.95	1688.11	1488.14
	2024-25*	1670.00	1468.17	49.56	47.80	46.06	18.45	1765.62	1534.42
Maharana Pratap Horticultural University, Karnal									
	2019-20	31.50	149.94	8.72	1.08	--	--	40.22	151.03
	2020-21	40.00	312.19	15.12	29.36	--	52.62	55.12	394.16
	2021-22	382.50	485.90	1.10	18.52	--	65.42	383.60	569.83
Himachal Pradesh									
CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur									
	2019-20	13.03	13.46	3.48	3.70	1.05	0.96	17.58	18.11
	2020-21	12.03	14.75	3.58	3.31	0.60	0.55	16.21	18.61
	2021-22	12.13	12.47	3.38	3.23	1.73	1.55	17.25	17.25
Dr. Y.S. Parmar University of Horticulture & Forestry, Solan									
	2022-23	2060.83	1828.56	306.64	274.41	68.43	51.30	2435.90	2154.27
	2023-24	1879.73	1931.82	277.34	386.90	79.17	78.38	2236.24	2397.10
	2024-25*	1616.96	1601.30	247.15	247.15	72.65	72.65	1936.76	1921.10
Jammu & Kashmir									
Sher-e-Kashmir University of Agricultural Science & Technology of Jammu, Jammu									
	2020-21	1364.22	1270.59	111.90	89.67	93.42	86.00	1569.55	1446.26
	2021-22	1607.52	1296.56	109.11	102.11	101.32	82.14	1817.95	1480.81
	2022-23	1609.68	1536.10	70.14	31.86	131.04	114.95	1810.86	1682.91

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State Agricultural University	Year	State		ICAR		Other Sources		Total	
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Sher-e-Kashmir University of Agricultural Science & Technology of Kashmir, Srinagar									
	2022-23	3097.19	3200.24	471.9	487.55	103.73	206.14	3672.82	3893.93
	2023-24	3498.33	3514.97	503.48	581.58	177.26	177.91	4179.07	4274.46
	2024-25	4805.83	4575.98	547.47	507.03	216.95	141.54	5570.25	5224.55
Jharkhand									
Birsa Agricultural University, Kanke, Ranchi									
	2021-22	1380.00	1380.00	465.05	464.20	27.40	22.35	1872.45	1866.55
	2022-23	2331.40	2319.93	370.70	370.31	21.58	32.58	2723.68	2722.82
	2023-24	3010.37	1171.15	307.16	303.84	37.39	40.67	3354.92	1515.66
Karnataka									
University of Agricultural Sciences, Bangalore									
	2021-22	2230.40	2913.50	476.50	527.70	269.70	260.13	2976.50	3693.40
	2022-23	2195.60	2749.00	443.40	543.20	108.45	147.35	2747.40	3439.50
	2023-24	1987.80	2775.00	578.80	564.30	89.80	107.88	2656.40	3447.00
University of Agricultural Sciences, Dharwad									
	2022-23	2040.99	2393.82	358.09	403.37	148.96	166.69	2548.04	2963.88
	2023-24	2410.42	2723.75	602.71	367.27	127.71	149.61	3140.84	3240.18
	2024-25	2700.96	3149.77	424.81	403.86	86.72	101.99	3212.19	3655.62
Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar									
	2015-16	1393.63	1655.99	91.47	99.84	28.44	26.85	1513.54	1782.68
	2016-17	1500.91	1689.13	114.19	79.86	25.43	23.96	1640.53	1792.95
	2017-18	1567.88	1828.41	30.64	91.82	21.76	22.73	1620.28	1942.96
University of Horticultural Sciences, Bagalkot									
	2017-18	751.90	751.90	106.10	65.12	145.37	87.26	1003.37	904.28
	2018-19	753.30	753.30	98.65	57.43	110.18	50.05	962.13	860.79
	2019-20	826.62	826.62	40.57	40.57	42.93	42.93	910.12	910.12
University of Agricultural Sciences, Raichur									
	2022-23	1124.68	1076.76	239.17	263.26	112.58	146.08	1476.43	1486.11
	2023-24	1447.07	1434.76	326.60	284.78	339.25	216.32	2112.93	1935.86
	2024-25	1231.32	1764.69	295.25	317.59	222.41	202.10	1748.98	2284.38
University of Agricultural and Horticultural Sciences, Shivamogga									
	2018-19	722.29	703.61	103.64	95.54	117.75	117.75	943.68	916.91
	2019-20	790.48	727.05	122.75	122.75	63.80	63.80	977.03	913.60
	2020-21	801.48	801.48	124.98	124.98	102.29	102.29	1028.74	1028.74
Kerala									
Kerala Agricultural University, Vellanikkara, Thrissur									
	2020-21	5068.37	3691.76	570.28	457.58	518.58	378.62	6157.23	4527.96
	2021-22	6912.48	4708.47	643.35	527.03	598.88	396.24	8154.70	5631.74
	2022-23	6800.22	4633.41	621.03	492.75	849.06	480.91	8270.31	5607.08
Kerala Veterinary and Animal Sciences University, Pookode, Wayanad									
	2022-23	1291.60	1612.00	34.40	33.10	18.33	18.33	1344.30	1663.43
	2023-24	1274.28	1598.60	36.22	35.13	16.73	8.26	1327.30	1642.00
	2024-25	1216.75	1430.35	68.00	68.00	5.79	5.79	1290.54	1504.14

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State Agricultural University	Year	State		ICAR		Other Sources		Total	
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Kerala University of Fisheries and Ocean Studies, Papangad, Kochi									
	2013-14	218.76	172.77	16.15	16.06	12.63	10.30	247.55	199.13
	2014-15	219.40	214.90	16.00	16.00	8.52	7.18	243.92	238.08
	2015-16	337.48	283.35	18.74	18.74	3.37	2.52	359.59	304.61
Madhya Pradesh									
Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur									
	2022-2023	1263.80	1418.15	680.45	590.97	296.11	213.80	2240.36	2222.92
	2023-2024	1263.80	2206.07	695.18	640.09	342.22	212.09	2301.20	3058.25
	2024-2025	1700.00	1913.46	579.95	532.26	154.47	131.22	2434.42	2576.94
Nanaji Deshmukh Pashuchikitsa Vigyan Vishwavidyalaya, Jabalpur									
	2015-16	2962.05	3541.01	418.16	415.94	2057.87	1216.91	5438.08	5173.86
	2016-17	3913.66	4084.11	474.05	360.06	57.99	36.44	4445.70	4480.61
	2017-18	4233.04	3971.01	412.91	412.91	191.41	191.41	4837.36	4575.33
Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior									
	2022-2023	5299.99	6973.67	6498.42	6498.42	426.75	426.75	12225.16	13898.84
	2023-2024	5299.99	6532.15	6505.25	6505.25	90.16	90.16	11895.40	13127.56
	2024-2025	4569.65	6772.46	4869.71	4869.71	476.03	476.03	9915.39	12118.20
Maharashtra									
Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli									
	2018-19	1447.81	1378.01	161.08	123.43	20.78	15.91	1629.67	1517.35
	2019-20	1394.29	1305.38	187.11	143.14	17.75	13.49	1599.15	1462.10
	2020-21	1750.91	1649.60	159.03	158.61	18.11	6.90	1928.05	1815.11
Mahatma Phule Krishi Vidyapeeth Rahuri, Rahuri									
	2016-17	3020.30	2870.50	396.90	407.70	344.30	316.80	3761.50	3595.00
	2017-18	3232.20	3156.50	446.20	414.90	289.90	304.90	3968.30	3876.30
	2018-19	3520.30	3287.20	568.60	445.40	425.40	318.80	4514.30	4051.40
Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani									
	2020-21	795.47	795.47	30.32	30.32	153.16	153.16	978.95	978.95
	2021-22	714.77	714.77	71.50	71.50	103.65	103.65	889.92	889.92
	2022-23	604.25	604.25	10.02	10.02	80.65	80.65	694.92	694.92
Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola									
	2022-2023	4117.96	4077.00	326.20	323.00	8.20	8.12	4452.36	4408.12
	2023-2024	3755.47	3718.00	313.10	310.00	13.50	13.37	4082.07	4041.37
	2024-2025	5154.41	5103.00	427.2	423.00	70.47	69.06	5652.08	5595.06
Maharashtra Animal & Fishery Sciences University, Nagpur									
	2019-20	1.25	1.16	0.09	0.06	0.02	0.01	1.36	1.23
	2020-21	1.24	1.21	0.09	0.07	0.07	0.05	1.40	1.33
	2021-22	1.93	1.90	0.14	0.00	0.02	0.00	2.09	1.90
Manipur									
Central Agricultural University, Imphal									
	2020-2021	N.A.	N.A.	1900.00	2027.30	N.A.	N.A.	1900.00	2027.30
	2021-2022	N.A.	N.A.	2515.50	2292.25	N.A.	N.A.	2515.50	2292.25
	2022-2023	N.A.	N.A.	2700.00	2699.95	N.A.	N.A.	2700.00	2699.95

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State Agricultural University	Year	State		ICAR		Other Sources		Total	
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Nagaland									
Nagaland University SASRD, Medziphema Campus									
	2017-18	0.25	0.25	29.40	29.40	252.01	252.01	281.66	281.66
	2018-19	0.11	0.11	42.26	42.26	303.73	303.73	346.10	346.10
	2019-20	0.50	0.50	39.81	39.79	346.19	346.19	386.51	386.48
Odisha									
Odisha University of Agriculture & Technology, Bhubaneswar									
	2022-23	5536.6	3810.73	1054.65	744.82	991.54	522.32	7582.79	5077.87
	2023-24	5174.38	4366.46	1035.45	820.44	865.4	392.01	7075.22	5578.91
	2024-25*	5815.58	5753.55	1042.93	1042.93	818.35	735.44	7676.86	7531.91
Punjab									
Punjab Agricultural University, Ludhiana									
	2022-23	7150.14	4907.46	1131.60	930.53	624.82	565.66	8906.56	6403.65
	2023-24	7105.54	5423.04	1215.95	1122.45	551.56	521.97	8873.05	7067.45
	2024-25*	7857.05	6125.07	1785.71	1315.58	520.64	477.15	10163.40	7917.80
Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana									
	2022-23	1363.21	1216.95	197.68	145.06	83.97	42.15	1644.86	1404.16
	2023-24	1691.05	1438.04	189.05	180.27	85.30	59.68	1965.40	1678.00
	2024-25	1862.85	1601.21	165.97	163.99	60.68	46.14	2089.50	1811.34
Rajasthan									
Swami Keshwanand Rajasthan Agricultural University, Bikaner									
	2022-23	735.88	627.79	188.32	172.71	26.00	23.15	950.20	823.66
	2023-24	744.80	707.05	215.88	208.14	43.01	32.06	1003.69	947.25
	2024-25	608.30	607.68	154.55	149.33	26.17	23.11	789.01	780.13
Maharana Pratap University of Agriculture and Technology, Udaipur									
	2021-22	912.00	912.00	715.63	715.63	114.59	114.59	1742.22	1742.22
	2022-23	891.30	891.30	784.12	784.12	120.77	120.77	1796.19	1796.19
	2023-24	845.50	845.50	628.22	628.22	130.41	130.41	1604.13	1604.13
Rajasthan University of Veterinary and Animal Sciences, Bikaner									
	2021-22	964.20	964.20	20.61	18.49	25.17	10.67	1009.98	993.37
	2022-23	1867.12	1867.12	40.17	38.97	61.93	61.93	1969.22	1968.03
	2023-24	1376.50	1376.50	106.92	106.53	1.30	1.30	1484.72	1484.33
Agricultural University, Kota									
	2022-23	288.87	275.46	199.02	210.68	11.71	18.71	499.60	504.85
	2023-24	406.20	333.57	222.80	218.72	21.61	19.07	650.61	571.36
	2024-25	473.84	376.77	222.37	223.15	36.90	17.72	733.11	617.64
Agriculture University, Jodhpur									
	2018-19	456.47	303.05	153.43	124.91	57.43	49.03	667.34	476.98
	2019-20	371.10	410.58	122.61	124.47	39.20	39.60	532.91	574.64
	2020-21	323.20	218.40	158.04	129.78	53.75	52.86	534.99	401.03
Sri Karan Narendra Agriculture University, Jobner, Jaipur									
	2020-21	684.89	684.89	259.90	250.00	52.09	50.09	996.88	984.98
	2021-22	769.00	769.00	249.72	237.64	149.60	64.34	1168.32	1070.98
	2022-23	962.90	962.90	249.81	227.86	75.47	60.21	1288.18	1250.97

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State Agricultural University	Year	State		ICAR		Other Sources		Total	
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Tamil Nadu									
Tamil Nadu Agricultural University, Coimbatore									
	2022-23	5342.33	5655.98	993.89	1024.90	403.61	551.11	6739.83	7231.98
	2023-24*	6774.49	6475.06	1231.28	1348.48	370.37	463.46	8376.13	8287.00
	2024-25*	6810.67	6810.67	1655.81	1618.79	682.35	628.66	9148.84	9058.12
Tamil Nadu Veterinary and Animal Sciences University, Chennai									
	2022-23	3611.69	4402.72	107.94	148.80	420.99	182.25	4140.61	4733.78
	2023-24	3435.42	3766.25	352.84	189.80	42.62	103.28	3830.87	4059.32
	2024-25	3017.86	3017.82	203.51	203.51	58.61	58.61	3279.97	3279.93
Tamil Nadu Fisheries University, Nagapattinam									
	2014-15	454.40	454.40	45.98	45.98	34.93	34.93	535.30	535.30
	2015-16	465.80	465.80	26.26	26.26	31.91	31.91	523.97	523.97
	2016-17	744.19	744.19	31.92	31.92	107.11	107.11	883.23	883.23
Telangana									
Professor Jayashankar Telangana State Agricultural University, Hyderabad									
	2021-22	3351.44	3896.64	414.30	441.64	193.53	205.37	3959.27	4543.65
	2022-23	3462.14	4182.32	417.01	451.09	201.53	231.15	4080.68	4864.56
	2323-24	3444.59	4352.96	501.24	455.67	210.57	230.04	4156.40	5038.66
P.V. Narsimha Rao Telangana Veterinary University, Hyderabad									
	2022-23	768.18	963.68	34.67	32.21	22.62	13.03	825.47	1008.92
	2023-24	892.53	1030.14	95.34	78.66	8.25	28.87	996.12	1137.68
	2024-25	963.81	989.04	63.42	65.45	28.49	15.29	1055.72	1069.78
Sri Konda Laxman Telangana state Horticultural University, Mulugu, Siddipet									
	2018-19	386.41	386.41	46.21	36.78	21.50	16.29	454.12	439.47
	2019-20	302.23	302.23	36.68	35.43	40.97	21.22	379.88	358.87
	2020-21	254.76	254.76	40.70	40.70	99.56	11.23	395.02	306.70
Uttarakhand									
G.B. Pant University of Agriculture & Technology, Pantnagar									
	2020-21	2237.60	2087.60	62.24	60.21	-	-	2299.84	2147.81
	2021-22	2170.61	2162.35	40.00	37.84	-	-	2210.61	2200.19
	2022-23	2040.00	2020.36	0.00	0.00	-	-	2040.00	2020.36
VCSG Uttarakhand University of Horticulture & Forestry, Bharsar, Pauri Garhwal									
	2020-21	172.72	164.71	73.16	49.85	30.75	3.58	276.64	218.14
	2021-22	252.33	227.85	46.83	23.04	27.96	6.00	327.12	256.89
	2022-23	275.91	244.09	41.72	25.98	38.71	6.52	356.34	276.59
Uttar Pradesh									
C.S. Azad University of Agriculture & Technology, Kanpur									
	2017-18	791.71	976.52	333.05	345.88	88.50	13.92	1213.26	1336.32
	2018-19	925.59	1066.56	404.31	334.99	244.03	160.52	1573.93	1562.07
	2019-20	938.19	1068.78	296.78	282.55	111.83	66.33	1346.80	1417.65
Acharya Narendra Dev University of Agriculture & Technology, Ayodhya									
	2022-23	934.43	843.68	575.02	553.63	158.81	147.99	1668.26	1545.30
	2023-24	1132.95	1078.31	667.24	635.57	241.52	207.53	2041.70	1921.41
	2024-25	1233.67	1058.62	641.86	556.75	283.16	283.11	2158.69	1898.48

Investment in Agricultural Research & Education

State Agricultural University	Year	State		ICAR		Other Sources		Total	
		Alloca- tion	Expendi- ture	Alloca- tion	Expendi- ture	Alloca- tion	Expendi- ture	Alloca- tion	Expendi- ture
Institute of Agricultural Sciences, BHU, Varanasi									
	2019-20	-	-	48.91	46.38	-	-	-	-
	2020-21	-	-	38.97	38.26	-	-	-	-
	2021-22	-	-	24.26	22.02	-	-	-	-
Sam Higginbottom Institute of Agriculture, Technology & Sciences (Deemed University), Allahabad									
	2011-12	162.23	162.23	139.87	144.10	878.88	880.94	1180.98	1187.27
	2012-13	135.47	135.47	74.59	74.60	992.03	1077.50	1202.09	1287.57
	2013-14*	160.09	160.09	46.26	46.26	1009.29	1009.29	1215.64	1215.64
Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut									
	2021-22	572.25	506.60	483.94	379.94	314.56	16383.20	1370.75	1050.37
	2022-23	561.26	520.61	613.50	523.89	474.73	39245.10	1649.49	1436.96
	2023-24	772.67	716.61	487.46	428.23	333.97	22723.30	1594.11	1372.07
U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura									
	2017-18	6149.42	5215.52	939.89	865.47	1690.68	1427.17	8779.99	7508.16
	2018-19	7543.76	4820.66	293.38	271.40	1601.24	908.30	9438.38	6000.36
	2019-20	6179.12	6098.61	218.20	172.88	1302.19	1203.25	7699.51	7474.74
Banda University of Agriculture & Technology, Banda									
	2021-22	239.76	238.10	133.89	123.57	113.59	110.10	487.24	471.77
	2022-23	595.59	591.41	123.82	118.84	85.88	75.47	805.28	785.71
	2023-24	586.96	576.87	142.24	133.37	70.25	64.53	799.46	774.77
West Bengal									
Bidhan Chandra Krishi Vishwa Vidyalaya, Haringhatta									
	2014-15	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	2015-16	17086.29	9199.45	2375.00	1544.46	1783.50	1507.47	21244.79	12251.38
	2016-17	25246.59	**	3162.80	**	1722.00	**	30131.39	**
Uttar Banga Krishi Viswavidyalaya, Pundibari									
	2016-17	363.704	407.57	65.89	48.43	58.348	9.18	487.942	465.28
	2017-18	494.30	473.64	40.12	86.54	131.71	69.09	666.13	629.27
	2018-19	416.73	452.25	26.457	20.03	145.20	109.80	588.387	582.08
W.B. University of Animal & Fishery Sciences, Kolkata									
	2014-15	292.21 ^b	288.34 ^b	65.96 ^c	53.96 ^c	45.74 ^d	45.70 ^d	403.91	388.02
	2015-16	365.11 ^b	357.63 ^b	94.73 ^c	93.14 ^c	4.80 ^d	4.70 ^d	464.63	455.48
	2016-17	377.88 ^b	360.42 ^b	83.79 ^c	**	5.63 ^d	**	467.30	**

Note : 1.*: Un-audited/Tentative/Provisional, 2.**:The budget accounts are yet to be finalized, 3. a: Allocation includes pay and allowances and contingencies, 4. b: Includes salary, capital, revenue Plan & Non-Plan expenditure, 5. c: Includes the funding support from ICAR under Education, AICRP, KVK etc., 6. d: Includes the amount received from DBT, DST etc.

Source : This information is collected from respective State Agricultural Universities through Dy. Director General (Agri.Edn.), Indian Council of Agricultural Research, New Delhi.

Table 9.8: Details of financial outlay of Department of Agricultural Research and Education

(crore ₹)

Schemes	2022-2023 Budget			2022-2023 Revised			2023-2024 Budget		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Demand No. 2 Department of Agricultural Research and Education									
Gross	8513.62	...	8513.62	8658.89	...	8658.89	9493.59	10.41	9504.00
Recoveries	...	...	...	...	...	...	...	...	...
Receipts	...	...	...	...	...	...	...	...	...
Net	8513.62	...	8513.62	8658.89	...	8658.89	9493.59	10.41	9504.00
A. The Budget allocations, net of recoveries									
Centre's Expenditure	2022-2023 Budget			2022-2023 Revised			2023-2024 Budget		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
I. Establishment Expenditure of the Centre									
1.Secretariat	39.68	...	39.68	44.80	...	44.80	33.30	10.41	43.71
II. Central Sector Schemes/Projects									
2. Agricultural Extension	243.72	...	243.72	243.72	...	243.72	327.00	...	327.00
3. Agricultural Engineering	48.30	...	48.30	48.30	...	48.30	65.00	...	65.00
4. Management of Natural Resources									
4.1 Natural Resource Management Institutes including Agro-Forestry Research	144.90	...	144.90	144.90	...	144.90	240.00	...	240.00
4.2 Climate Resilient Agriculture Initiative	40.87	...	40.87	40.87	...	40.87	...	...	...
Total-Management of Natural Resources	185.77	...	185.77	185.77	...	185.77	240.00	...	240.00
5. Crop Sciences									

Schemes	2022-2023 Budget			2022-2023 Revised			2023-2024 Budget		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
5.1 Crop Science	526.08	...	526.08	526.04	...	526.04	714.41	...	714.41
5.2 Horticultural Science	157.53	...	157.53	157.53	...	157.53	212.00	...	212.00
5.3 National Agricultural Science Fund	35.67	...	35.67	35.67	...	35.67	...	...	...
Total-Crop Sciences	719.28	...	719.28	719.24	...	719.24	926.41	...	926.41
6. Animal Sciences									
6.1 Animal Science	224.41	...	224.41	224.41	...	224.41	300.00	...	300.00
6.2 Fisheries Science	118.89	...	118.89	118.89	...	118.89	150.00	...	150.00
Total-Animal Sciences	343.30	...	343.30	343.30	...	343.30	450.00	...	450.00
7. Agricultural Education									
7.1 Agricultural Universities and Institutions	263.77	...	263.77	263.77	...	263.77	322.74	...	322.74
7.2 Economic Statistics and Management	24.51	...	24.51	24.51	...	24.51	...	...	...
7.3 National Agricultural Higher Education project	167.18	...	167.18	167.00	...	167.00	92.26	...	92.26
Total-Agricultural Education	455.46	...	455.46	455.46	...	455.46	415.00	...	415.00
Total - Central Sector Schemes	1995.83	...	1995.83	1995.61	...	1995.61	2423.41	...	2423.41
III. Other Central Sector Schemes/Projects									
a. Autonomous Bodies									
1.1 ICAR Headquarter	5877.06	...	5877.06	6006.28	...	6006.28	6384.59	...	6384.59
1.2 Central Agricultural Universities	599.45	...	599.45	611.02	...	611.02	651.53	...	651.53
1.3 National Academy of Agricultural Sciences	1.60	...	1.60	1.18	...	1.18	0.76	...	0.76
Total-Autonomous Bodies	6478.11	...	6478.11	6618.48	...	6618.48	7036.88	...	7036.88

Investment in Agricultural Research & Education

Schemes	2022-2023 Budget			2022-2023 Revised			2023-2024 Budget		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
b. Others									
Actual Recoveries	...	...	...	...	...	...	...	...	...
Grand Total	8513.62	...	8513.62	8658.89	...	8658.89	9504.00	10.41	9504.00
B. Developmental Heads									
1. Economic Services									
1.1 Agricultural Research and Education	8013.39	...	8013.39	8151.94	...	8151.94	8941.93	...	8941.93
1.2 Secretaries-Economic Services	32.65	...	32.65	37.37	...	37.37	25.87	...	25.87
1.3 Capital outlay on other General Economic Services	...	...	...	...	...	...	...	10.41	10.41
Total-Economic Services	8046.04	...	8046.04	8189.31	...	8189.31	8967.80	10.41	8978.21
2. Others									
2.1 North Eastern Areas	467.58	...	467.58	469.58	...	469.58	525.79	...	525.79
Total -Others	467.58	...	467.58	469.58	...	469.58	525.79	...	525.79
Grand Total	8513.62	...	8513.62	8658.89	...	8658.89	9493.59	10.41	9504.00

Source : DARE/ICAR Annual Report 2023-24, Ministry of Agriculture & Farmers Welfare, Govt. of India.



भाग-X
मानव संसाधन

SECTION-X
Human Resources



Human Resources

Table 10.1: Enrolment in Science/Engineering and other disciplines

(in 000')

Enrolment	2005-06	2010-11	2014-15	2015-16	2016-17	2017-18	2018-19
Science and Technology Disciplines (A)							
Science	2255.2 (20.5)	1801 (11.1)	4608.9 (15.1)	4930.7 (15.7)	5350.1 (16.5)	5509.3 (16.8)	5357.3 (16.3)
Engineering/ Technology	795.1 (7.2)	3024 (18.7)	5515.8 (18)	5472 (17.4)	5322.1 (16.4)	5194.5 (15.9)	5024.7 (15.3)
Medicine	348.5 (3.2)	433.3 (2.7)	932.6 (3.1)	1035.3 (3.3)	1123.7 (3.5)	1251.8 (3.8)	1363.9 (4.2)
Agricultural Sciences	64 (0.6)	95 (0.6)	194.5 (0.6)	215.3 (0.7)	265.6 (0.8)	270.7 (0.8)	290.3 (0.9)
Veterinary Science	16.5 (0.2)	1.1 (0)	14.4 (0)	16.1 (0.1)	18.7 (0.1)	22.5 (0.1)	23.8 (0.1)
Total (A)	3479.3 (31.5)	5354.4 (33)	11266.3 (36.9)	11669.3 (37.2)	12080.2 (37.3)	12248.8 (37.5)	12059.8 (36.8)
Other Disciplines (B)							
B. Other	6221.5 (69.4)	7548.7 (68.5)	10856.8 (67)	19297.4 (63.1)	19695.1 (62.8)	20325.2 (62.7)	20447.3 (62.5)
Total (A+B)	8964.7 (100)	11028 (100)	16211.2 (100)	30563.7 (100)	31364.4 (100)	32405.5 (100)	32696.1 (100)

Note : 1. Figures in parentheses indicate percentage, 2.*: Provisional. 3. Figures for 2010-11 onwards are taken from AISHE, MHRD Survey Reports and pertains only to UG, PG, M.Phil and Ph.D disciplines based on the actual survey response which also excludes courses conducted by standalone institutions. Hence, the total of faculty-wise figures will not match with the overall enrolment figures.

Source : *Research and Development Statistics 2019-20*, Department of Science and Technology, Ministry of Science and Technology, Govt. of India.

Table 10.2: Total number of employees in the R&D establishments of public and private sector industries

(in Lac)

S. No.	Class of posts	Total personnel employed
1.	R&D activities	3.42 (61.8%)
2.	Auxiliary activities	0.98 (17.9%)
3.	Administrative / non-technical support activities	1.12 (20.3%)
	Total	5.52 (100%)

Note : Figures in parentheses indicate percentage.

Source : *Research and Development Statistics at a Glance 2019-20*, Department of Science and Technology, Ministry of Science and Technology, Govt. of India.

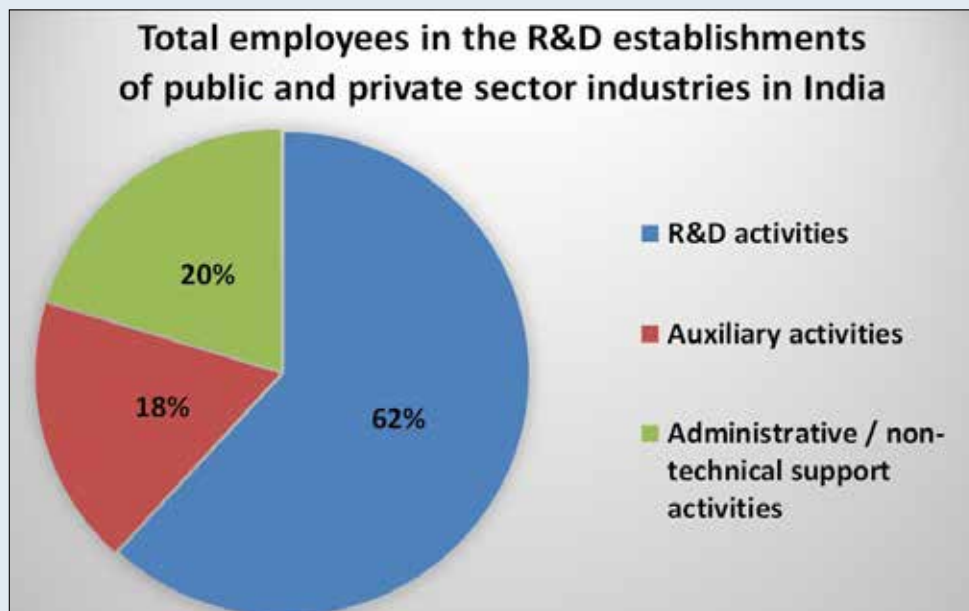


Table 10.3: R&D expenditure incurred by Central Government sources during 2017-18 in India

S.No.	Name	Expenditure in %
1.	Defence Research and Development Organisation (DRDO)	31.60
2.	Department of Space (DOS)	19.00
3.	Indian Council of Agricultural Research (ICAR)	11.10
4.	Department of Atomic Energy, (DAE)	10.80
5.	Council of Scientific & Industrial Research (CSIR)	9.50
6.	Department of Science and Technology (DST)	7.30
7.	Department of Biotechnology (DBT)	3.70
8.	Indian Council of Medical Research (ICMR)	3.10
9.	Ministry of Earth Sciences (MoES)	2.30
10.	Ministry of Electronics and Information Technology (MEITY)	0.80
11.	Ministry of Environment, Forest and Climate Change (MoEFCC)	0.50
12.	Ministry of New and Renewable Energy (MNRE)	0.10
13.	Others	0.20

Source : *Research and Development Statistics at a Glance 2019-20*, Department of Science and Technology, Ministry of Science and Technology, Govt. of India.



Table 10.4: R&D expenditure incurred by different sectors in India during 2017-18

S.No.	Name	Expenditure in %
1.	Central government sector	45.40
2.	Private sector	36.80
3.	State sector	6.40
4.	Public sector	4.60
5.	Higher Education sector	6.80

Source : *Research and Development Statistics at a Glance 2019-20*, Department of Science and Technology, Ministry of Science and Technology, Govt. of India.

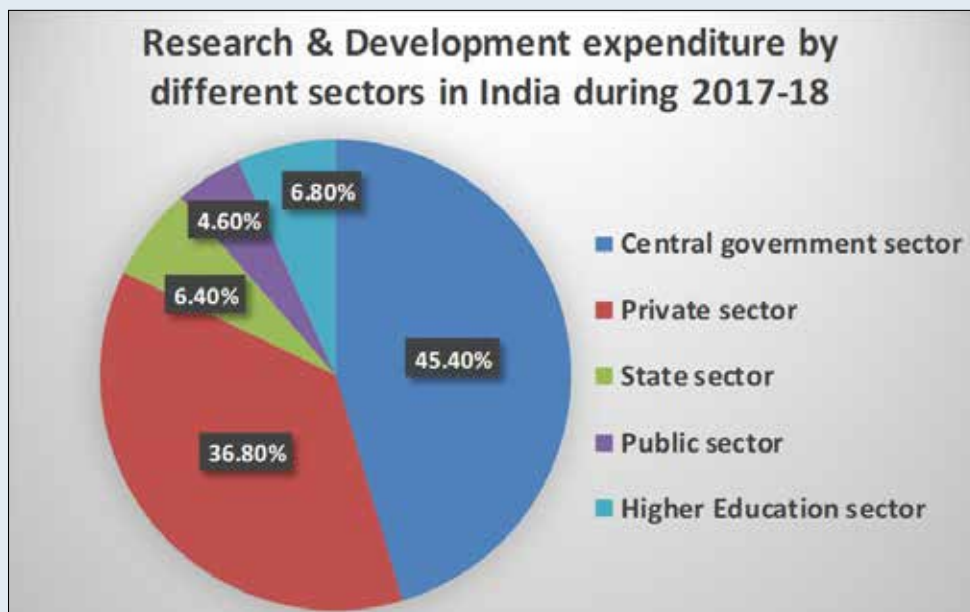


Table 10.5: Percentage share of government and business enterprise sector in gross expenditure on R&D

Year	Government sector (%)	Business sector (%)
1990-91	75.7	24.3
1995-96	72.5	27.5
2000-01	76.8	23.2
2005-06	67.4	32.6
2006-07	65.1	34.9
2007-08	62.5	37.5
2008-09	64.5	35.5
2009-10	65.8	34.2
2010-11	62.4	37.6
2011-12	59.0	41.0
2012-13	54.8	45.2
2013-14	56.0	44.0
2014-15	57.5	42.5
2015-16	57.6	42.4
2016-17	57.5	42.5
2017-18	58.6	41.4
2018-19	58.7	41.3

Source : Research and Development Statistics at a Glance 2019-20, Department of Science and Technology, Ministry of Science and Technology, Govt. of India.

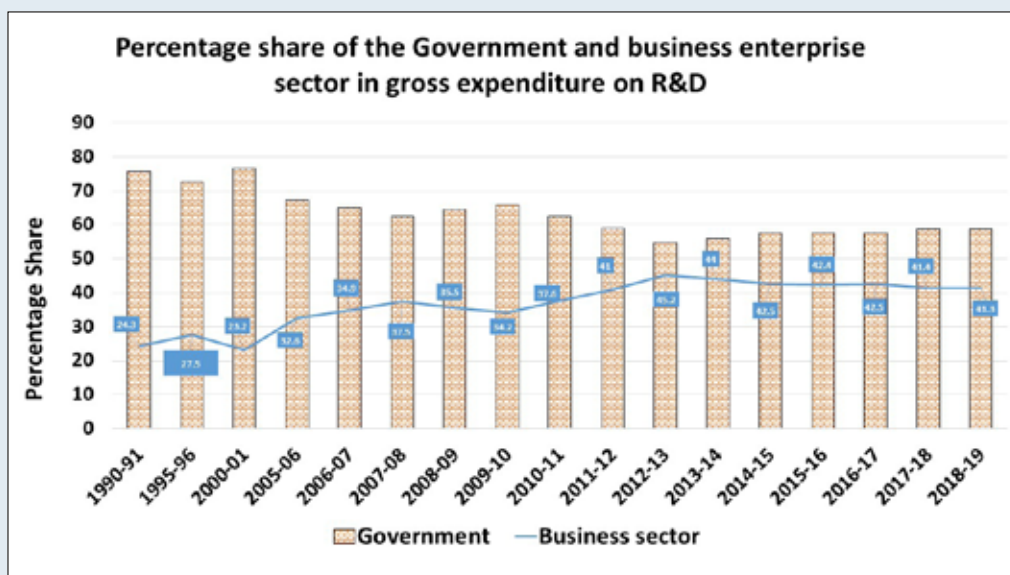
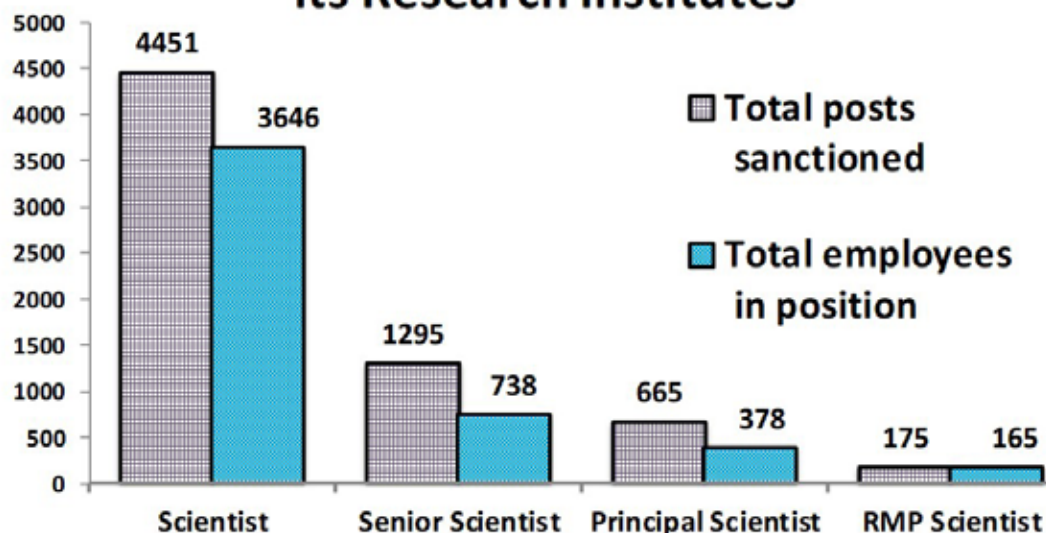


Table 10.6: Total number of employees in the ICAR and its research institutes and number of Scheduled Castes, Scheduled Tribes, Other Backward Classes and PwD Employees during 2023-24

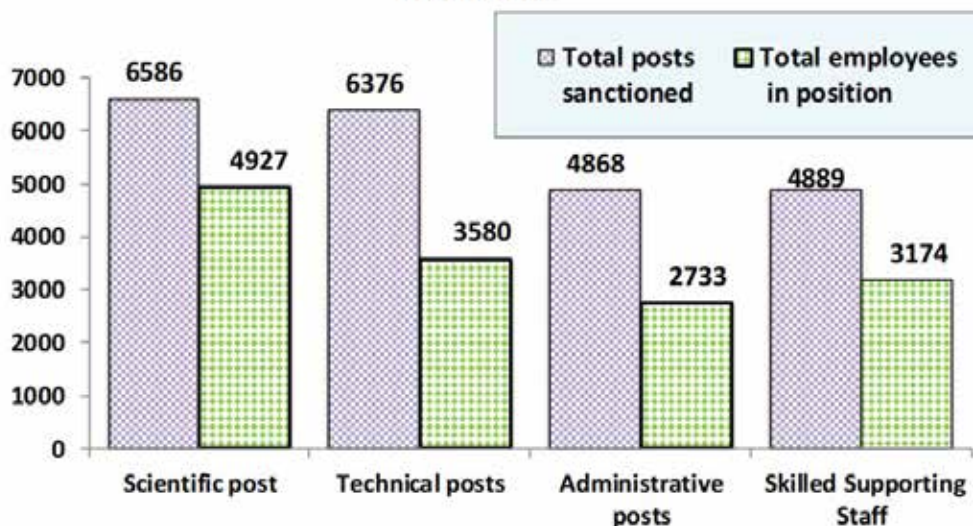
Sl. No.	Class of posts	Total posts sanctioned	Total employees in position	Scheduled Castes employees		Scheduled Tribes employees		OBC employees		PwD employees	
				Number	% to total employees	Number	% to total employees	Number	% to total employees	Number	% to total employees
1. Scientific posts											
	Scientist	4451	3646	547	15.00	231	6.33	1106	30.33	28	0.70
	Senior Scientist	1295	738	53	7.18	13	1.76	97	13.14	0	0.00
	Principal Scientist	665	378	24	6.34	6	1.58	44	11.64	1	0.26
	RMP Scientist	175	165	5	3.03	0	0.00	11	6.66	0	0.00
	Total	6586	4927	629	12.76	250	5.07	1258	25.53	29	0.58
2. Technical posts											
	Category-I	3622	2161	390	8.05	218	10.09	408	18.88	25	1.16
	Category-II	2427	1294	205	15.84	105	8.11	305	23.57	12	0.93
	Category-III	327	125	10	8.00	11	8.80	25	20.00	12	1.60
	Total	6376	3580	605	16.90	334	9.33	738	20.61	39	1.09
3. Administrative posts											
(a)	Category "A" Post										
	Senior Registrar/Director/Deputy Secretary/Under Secretary/CAOs/SAOs/AOs/CF&A O/F&AO/ Legal Advisor/Director(OL)/DD(OL)/AD(OL)/PPS	587	388	51	13.14	44	11.34	53	13.66	10	2.58
(b)	Category "B" Post										
	AF/AO/AAO/PS/SO/AD (OL)/ ALA/Assistant/PA/Senior Sales Assistant/JAO/ALA	3045	1565	259	16.55	127	8.12	249	15.91	40	2.56
(c)	Category "C" Post										
	UDC/Steno/LDC	1236	780	157	20.13	71	9.10	192	24.62	9	1.15
	Total	4868	2733	467	17.09	242	8.85	494	18.08	59	2.16
4. Supporting Skilled Staff		4889	3174	775	24.42	256	8.07	575	18.12	24	0.76

Source : DARE/ICAR Annual Report 2023-24, Ministry of Agriculture & Farmers Welfare, Govt. of India.

Scientific cadre strength in ICAR and its Research Institutes



Staff position in ICAR and its Research Institutes



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कृषि अनुसंधान डाटा पुस्तिका

2025

AGRICULTURAL RESEARCH DATA BOOK

2025

