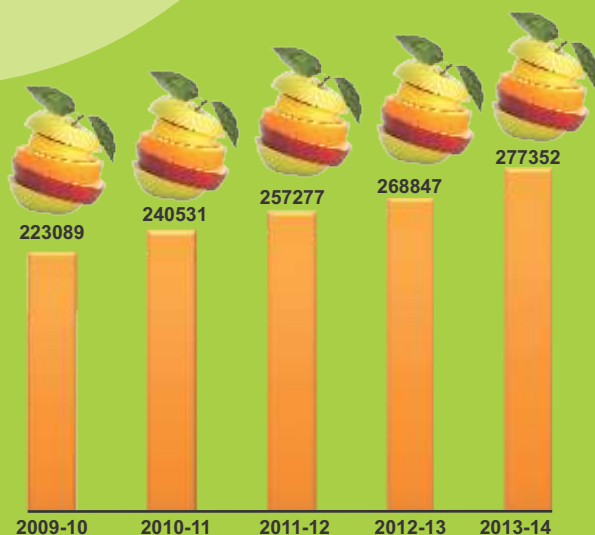


# Indian Horticulture Database 2014



राष्ट्रीय बागवानी बोर्ड  
National Horticulture Board

# INDIAN HORTICULTURE DATABASE - 2014

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राष्ट्रीय बागवानी बोर्ड  
National  
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Ministry of Agriculture, Government of India  
85, Institutional Area, Sector-18,  
Gurgaon - 122 015  
Website : [www.nhb.gov.in](http://www.nhb.gov.in)



Indian Price : Rs. 700/-  
Overseas Price : US\$ 50  
(Postage US\$ 5 extra)

Published in : February 2015

National Horticulture Board,  
Ministry of Agriculture,  
Government of India  
85, Institutional Area, Sector-18,  
Gurgaon-122 015 INDIA

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**IG Printer Pvt. Ltd.**  
104 DSIDC, Okhla Phase-I,  
New Delhi-20



राधा मोहन सिंह  
RADHA MOHAN SINGH

D.O. No. 451/JAM



कृषि मंत्री  
भारत सरकार  
MINISTER OF AGRICULTURE  
GOVERNMENT OF INDIA

11 FEB 2015



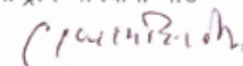
### संदेश

कृषि भारतीय अर्थव्यवस्था का प्रमुख हिस्सा है और बागवानी उसका एक महत्वपूर्ण घटक है। भारत में विविध कृषि-मौसमीय परिस्थितियों मौजूद है जो बागवानी फसलों की भारी मात्रा का उत्पादन करने में सहायक है। देश का बागवानी परिदृश्य उत्पादन तथा उत्पादकता, दोनों रूपों में तेजी से बदलता जा रहा है। देश में बागवानी पर ध्यान केंद्रित किए जाने और उच्च वरीयता दिए जाने से उत्पादन और उत्पादकता में वृद्धि हुई है और विकास के नये रास्ते खुले हैं।

बागवानी क्षेत्र में वृद्धि का अनुमान लगाने तथा बढ़ावा देने के लिए, बागवानी उत्पाद की मांग तथा आपूर्ति रुझान का पता लगाने के लिए, तथा बागवानी क्षेत्र की वृद्धि के समक्ष पेश आने वाली समस्याओं एवं बाधाओं का पता लगाने के लिए बागवानी का विश्वसनीय डाटा का होना अनिवार्य है। देश में बागवानी क्षेत्र का विधिवत् विकास करने के लिए भावी योजनाएँ तैयार करने और इस क्षेत्र की अपार निर्यात संभावनाओं का दोहन करने हेतु विकास-नीतियों की प्रभावी मॉनिटरिंग सुनिश्चित करने के लिए तुलनात्मक बागवानी डाटाबेस तैयार करने की नितान्त आवश्यकता है।

मुझे इस बात की खुशी है कि राष्ट्रीय बागवानी बोर्ड द्वारा "भारतीय बागवानी डाटाबेस 2014" के रूप में अद्यतन बागवानी डाटाबेस तैयार किया जाना है। इस प्रकाशन में महत्वपूर्ण बागवानी फसलों के उत्पादन, उत्पादकता, घरेलू बाजार कीमत, आवक, निर्यात एवं अन्य संबंधित सूचना संबंधी आंकड़ों के बारे में उपयोगी सूचना दी गई हैं। यह प्रकाशन उत्पादकों, ग्राहकों, व्यापारियों, आयातकों, निर्यातकों, विस्तार कामगारों, अनुसंधानकर्ताओं तथा नीति-निर्माताओं के लिए एक उपयोगी पुस्तिका के रूप में कार्य करेगा।

मुझे विश्वास है कि राष्ट्रीय बागवानी बोर्ड के प्रयासों से भविष्य में भारत में बागवानी सांख्यिकी की प्रणाली के सुदृढीकरण का मार्ग प्रशस्त होगा। अद्यतन बागवानी सांख्यिकी को समयानुसार निकालने के लिए मैं राष्ट्रीय बागवानी बोर्ड को बधाई देता हूँ।

  
(राधा मोहन सिंह)



ASHISH BAHUGUNA  
SECRETARY



## FOREWORD

भारत सरकार  
कृषि मंत्रालय  
कृषि एवं सहकारिता विभाग  
Government of India  
Ministry of Agriculture  
Department of Agriculture & Cooperation

Efficient channelization of investments for development calls for a robust mechanism for collection, collation and dissemination and relevant information and data. Timely availability of data is necessary to facilitate the private sector in formulating viable projects involving institutional finance for the development of horticulture.

National Horticulture Board (NHB) has been publishing Horticulture Database carrying information relating to area, production, productivity, market arrivals and prices of horticultural produce in the country. This edition of Indian Horticulture Database 2014 not only contains the latest data pertaining to 2013-14, but also provides information in respect of international specifications for export of various products, important varieties and growing seasons of horticulture crops, etc.

I am sure this publication will serve as a valuable reference book for all stakeholders involved in the horticulture sector.



(Ashish Bahuguna)

Date: February 6, 2015



राष्ट्रीय बागवानी बोर्ड  
National  
Horticulture Board



Dr. A. K. Singh  
Managing Director

राष्ट्रीय बागवानी बोर्ड

कृषि मंत्रालय, भारत सरकार

85 इन्स्टीट्यूशनल एरिया, सैक्टर-18, गुडगाँव-122015

**National Horticulture Board**

Ministry of Agriculture, Govt. of India

85, Institutional Area, Sector- 18, Gurgaon - 122015

## PREFACE

National Horticulture Board (NHB) has been regularly publishing Annual Horticulture Database, which is a widely used document. It is a matter of pleasure for me to bring out "Indian Horticulture Database 2014".

The present publication of the NHB contains area and production estimates for horticulture crops, apart from the information about price and arrival statistics of important horticulture crops in the major markets of the country, export and international production related data. The area and production figures for the horticultural crops in India as given in this book are duly approved by the Review Committee of the Department of Agriculture and Cooperation. I hope it would be a useful publication for horticultural community, policy makers, entrepreneurs and other stakeholders.

I convey my thanks to the State Department of Horticulture/Agriculture, Directorate of Economics and Statistics, GOI, APEDA, FAO, respective Commodity Boards/Directorates and field offices of NHB for providing useful information for the purpose of compiling this publication.

I acknowledge special efforts made by the team of Adviser (Hort.), DAC and the entire team of NHB in collecting the data from the agencies concerned, analyzing and compiling them and completing the task well within allotted time. My special thanks are to Shri D.K. Jain, Additional Secretary (Hort) for his valuable contribution during the process of firming up the data.

NHB welcomes suggestions to improve the content and presentation of the publication.

  
(Dr.A.K.Singh)

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Dated the 24<sup>th</sup> February, 2015

### **MESSAGE**

Horticulture data is essential for estimating the growth of this sector to assess the demand and supply trend for horticulture produce. Availability of reliable horticulture data is one of the most critical requirements for efficient policy planning and to consider impact of development programmes in this sector as also for carrying out an analysis of problems and constraints in growth of the sector and exploring growth prospects. Availability of realistic data will also lend scope to devise appropriate strategies for exploiting huge export potential available in this sector.

The National Horticulture Board's current **"Indian Horticulture Database 2014"** gives 2013-14 Horticulture data, containing area, production and yield estimates, apart from the information about price and market arrivals of important crops in the major markets of the country, export data etc., which I am sure would help producers, consumers, traders, importers, exporters, extension workers, researchers, policy makers and other state holders, immensely.

Collection of such data has been a challenging job considering vast diverse of Horticulture crops, practices followed in the states, varying role of State Department of Agriculture, Horticulture and State Directorate of Economics & Statistics in generating statistics for Horticulture Sector. Validation to the extent feasible is done by the Department of Agriculture & Cooperation based on the available inputs from NHB, NHRDF, market arrivals, price trends and discussions with State Governments.

I convey my best wishes to the agencies and personnel engaged in the extremely technical area of crop estimation, whose initiatives and efforts would go a long way in restoring the confidence of the users of the information and data documented herein.



(Mamta Saxena)  
Adviser (Horticulture)





## SYMBOLS/ASSUMPTIONS USED

NA	-	Data not available
MT	-	Metric Tones
HA	-	Hectare
P	-	Production
A	-	Area
Rs.	-	Rupees (Indian Currency)
Kg.	-	Kilogram
MIN.	-	Minimum
MAX.	-	Maximum
AVG.	-	Average
T.ARRL	-	Total Arrival
FRT.	-	Fruits
VEG.	-	Vegetables
F	-	FAO Estiomates
#	-	Included in Others
-	-	None of Not Available

## REFERENCE :-

- ❖ Indian Horticulture Road Map (NHB Publication)
- ❖ Indian Horticulture Data Base-(1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005 & 2006), NHB
- ❖ Horticulture Information Service, Monthly Bulletins, NHB
- ❖ Hand Book on Agriculture, ICAR
- ❖ Check list of Commercial Varieties of Fruits/Vegetables/Plantation Crops, Ministry of Agriculture. Govt. of India.



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# **CHAPTER-I**

## **FACTS & FIGURES**





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National  
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## INDIAN HORTICULTURE PRODUCTION - AT A GLANCE (1991-92 and 2001-02 to 2013-14)

Year	Fruits		Vegetables		Flowers		Nuts (Almond & Walnut)	
	A	P	A	P	A	P (LOOSE)	A	P
1991-92	2874	28632	5593	58532	NA	NA	NA	NA
2001-02	4010	43001	6156	88622	106	535	117	114
2002-03	3788	45203	6092	84815	70	735	117	114
2003-04	4661	45942	6082	88334	101	580	106	121
2004-05	5049	50867	6744	101246	118	659	106	121
2005-06	5324	55356	7213	111399	129	654	130	149
2006-07	5554	59563	7581	114993	144	880	132	150
2007-08	5857	65587	7848	128449	166	868	132	177
2008-09	6101	68466	7981	129077	167	987	136	173
2009-10	6329	71516	7985	133738	183	1021	142	193
2010-11	6383	74878	8495	146554	191	1031	INCLUDING IN FRUIT	
2011-12	6705	76424	8989	156325	254	1652	INCLUDING IN FRUIT	
2012-13	6982	81285	9205	162187	233	1729	INCLUDING IN FRUIT	
2013-14	7216	88977	9396	162897	255	2297	INCLUDING IN FRUIT	

Year	Aromatic & Medicinal Plant Crops		Plantation Crops		Spices		Mushroom	Honey	Grand Total	
	A	P	A	P	A	P	P	P	A	P
1991-92	NA	NA	2298	7498	2005	1900	NA	NA	12770	96562
2001-02	NA	NA	2984	9697	3220	3765	40	10	16592	145785
2002-03	NA	NA	2984	9697	3220	3765	40	10	16270	144380
2003-04	NA	NA	3102	13161	5155	5113	40	10	19208	153302
2004-05	131	159	3147	9835	3150	4001	40	10	18445	166939
2005-06	262	202	3283	11263	2366	3705	35	52	18707	182816
2006-07	324	178	3207	12007	2448	3953	37	51	19389	191813
2007-08	397	396	3190	11300	2617	4357	37	65	20207	211235
2008-09	430	430	3217	11336	2629	4145	37	65	20662	214716
2009-10	509	573	3265	11928	2464	4016	41	65	20876	223089
2010-11	510	605	3306	12007	2940	5350	41	65	21825	240531
2011-12	506	566	3577	16359	3212	5951	NA	NA	23242	257277
2012-13	557	918	3641	16985	3076	5744	NA	NA	23694	268847
2013-14	493	895	3675	16301	3163	5908	NA	76	24198	277352

A = Area (In '000 HA)

P = Production (In '000 MT)

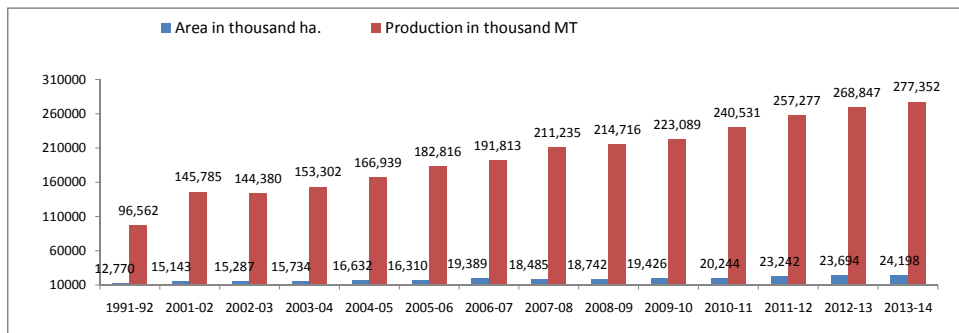
Note : totals may slightly differ due to rounding of figures

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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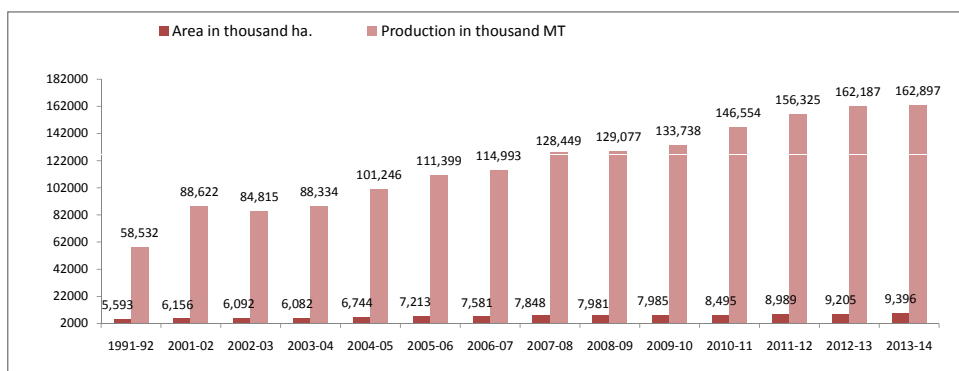
## Area and Production Growth Trends for Horticulture Crops



## Area and Production Growth Trends for Fruit Crops



## Area and Production Growth Trends for Vegetables Crops







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## AREA AND PRODUCTION ESTIMATES FOR HORTICULTURE CROPS

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

Crops	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
<b>Fruits</b>									
Banana	797	28455	35.7	776	26509	34.2	803	29725	37.0
Mango	2378	16196	6.8	2500	18002	7.2	2516	18431	7.3
Citrus	915	7922	8.7	1042	10090	9.7	1078	11147	10.3
Papaya	117	4457	38.1	132	5382	40.7	133	5639	42.3
Guava	220	2510	11.4	236	3198	13.6	268	3668	13.7
Apple	322	2203	6.8	312	1915	6.1	119	2585	21.8
Pineapple	102	1500	14.7	105	1571	14.9	313	2498	8.0
Sapota	163	1426	8.7	164	1495	9.1	177	1744	9.9
Grapes	116	2221	19.1	118	2483	21.1	110	1737	15.8
Pomegranate	112	772	6.9	113	745	6.6	131	1346	10.3
Litchi	80	538	6.7	83	580	7.0	84	585	7.0
Others	1383	8224	5.9	1402	9315	6.6	1484	9872	6.7
<b>Fruits-Total</b>	<b>6705</b>	<b>76424</b>	<b>11.4</b>	<b>6982</b>	<b>81285</b>	<b>11.6</b>	<b>7216</b>	<b>88977</b>	<b>12.3</b>
<b>Vegetables</b>									
Potato	1907	41483	21.8	1992	45344	22.8	1973	41555	21.1
Tomato	907	18653	20.6	880	18227	20.7	1204	19402	16.1
Onion	1087	17511	16.1	1052	16813	16.0	882	18736	21.2
Brinjal	692	12634	18.3	722	13444	18.6	711	13558	19.1
Tapioca	227	8747	38.5	207	7237	35.0	228	8139	35.7
Cabbage	390	8412	21.6	372	8534	22.9	400	9039	22.6
Cauliflower	391	7349	18.8	402	7887	19.6	434	8573	19.8
Okra	518	6259	12.1	231	6350	27.5	533	6346	11.9
Peas	408	3745	9.2	421	4006	9.5	434	3869	8.9
Sweet Potato	110	1073	9.8	112	1132	10.1	106	1088	10.3
Others	2352	30459	13.0	2815	33213	11.8	2492	32591	13.1
<b>Veg.-Total</b>	<b>9899</b>	<b>156325</b>	<b>17.4</b>	<b>9205</b>	<b>162187</b>	<b>17.6</b>	<b>9396</b>	<b>162897</b>	<b>17.3</b>
Aromatic	506	566	1.1	557	918	1.6	493	895	1.8
Flowers Loose	254	1652	6.5	233	1729	7.4	255	1754	6.9
Flowers Cut*		75066			76732			543	
Plantation Crops	3577	16359	4.6	3641	16985	4.7	3675	16301	4.4
Spices	3212	5951	1.9	3076	5744	1.9	3163	5908	1.9
Honey								76	
<b>Grand Total</b>	<b>23243</b>	<b>257277</b>	<b>11.1</b>	<b>23695</b>	<b>268847</b>	<b>11.3</b>	<b>24198</b>	<b>277352</b>	<b>11.5</b>

### GROWTH TRENDS

(In percent)

Crops	11-12 OVER 10-11		12-13 OVER 11-12		13-14 OVER 12-13	
	AREA	PRODUCTION	AREA	PRODUCTION	AREA	PRODUCTION
Horticulture	6.5	7.0	1.9	4.5	2.1	3.2
Fruit	5.0	2.1	4.1	6.4	3.3	9.5
Vegetable	5.8	6.7	2.4	3.7	2.1	0.4

For 2011-12 and 2012-13 Lakh Nos., For 2013-14 Thousand MT.

Totals may not match due to rounding off of figures.

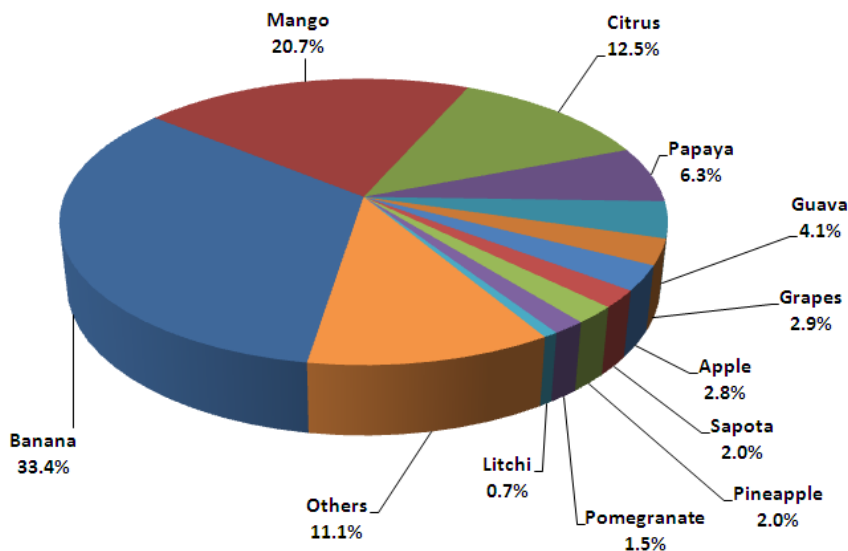
Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



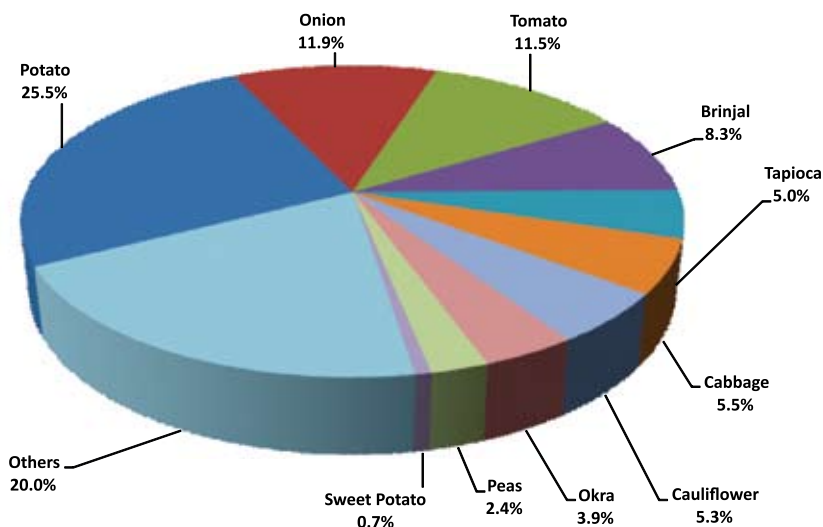
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National Horticulture Board

## Production Share of Major Fruit Crops in India (2013-14)

Production share of major fruit crops in India (2013-14)



## Production Share of Major Vegetable Crops In India (2013-14)





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## CROP-WISE AREA, PRODUCTION AND PRODUCTIVITY OF MAJOR PLANTATION CROPS IN INDIA DURING 2011-12, 2012-13 AND 2013-14

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

Crops	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
COCONUT	2071	14940	7.2	2137	15609	7.3	2140	14911	7.0
CASHEWNUIT	979	725	0.7	992	753	0.8	1011	753	0.7
ARECANUT	464	681	1.5	446	609	1.4	452	622	1.4
COCOA	63	13	0.2	66	13	0.2	71	15	0.2
TOTAL	3577	16359	4.6	3641	16985	4.7	3675	16301	4.4

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## CROP-WISE AREA, PRODUCTION AND PRODUCTIVITY OF MAJOR SPICE CROPS IN INDIA DURING 2011-12, 2012-13 AND 2013-14

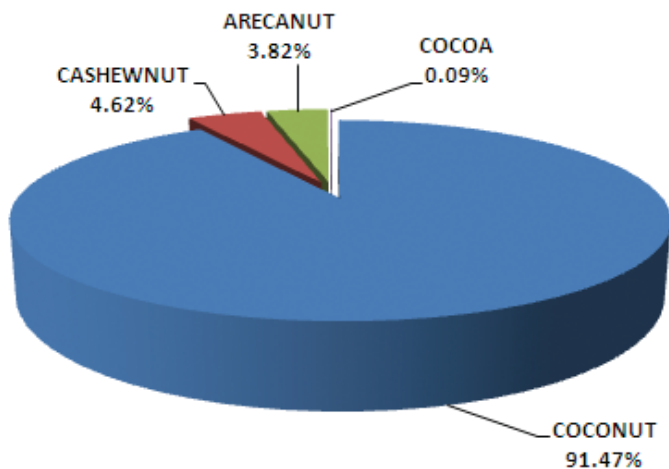
Area in '000 HA, Production in '000 MT and Productivity = MT/HA

Crops	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
Chillies	805	1276	1.6	794	1304	1.6	775	1492	1.9
Garlic	242	1228	5.1	248	1259	5.1	231	1252	5.4
Turmeric	219	1167	5.3	194	971	5.0	233	1190	5.1
Ginger	155	756	4.9	136	683	5.0	133	655	4.9
Cumin	594	394	0.7	594	394	0.7	859	514	0.6
Coriander	558	533	1.0	543	524	1.0	447	314	0.7
Tamarind	58	203	3.5	58	202	3.5	59	188	3.2
Fenugreek	94	116	1.2	93	113	1.2	66	90	1.4
Fennel	100	143	1.4	100	143	1.4	54	70	1.3
Pepper	200	41	0.2	125	53	0.4	124	51	0.4
Cardamom	89	16	0.2	92	18	0.2	93	21	0.2
Ajwan	35	27	0.8	35	27	0.8	27	19	0.7
Nutmeg	17	13	0.8	17	13	0.7	19	13	0.7
Tejpat/Cinnamon	3	5	1.7	3	5	1.7	3	5	1.8
Clove	2	1	0.5	2	1	0.5	2	1	0.5
Others	41	32	0.8	41	34	0.8	41	34	0.8
Total	3212	5951	1.9	3075.9	5743.52	1.9	3163	5908	1.9

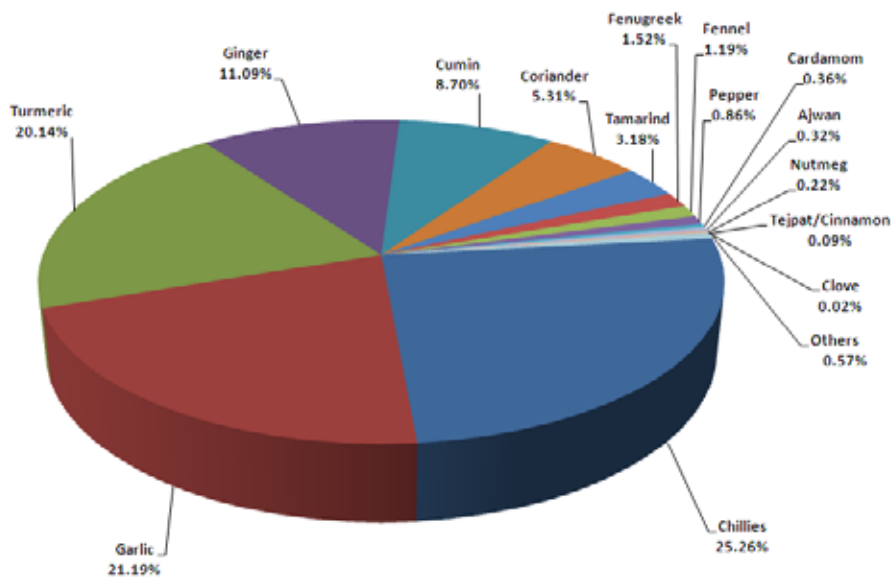
Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



## Production Share of Major Plantation Crops in India (2013-14)



## Production Share of Major Spices in India (2013-14)





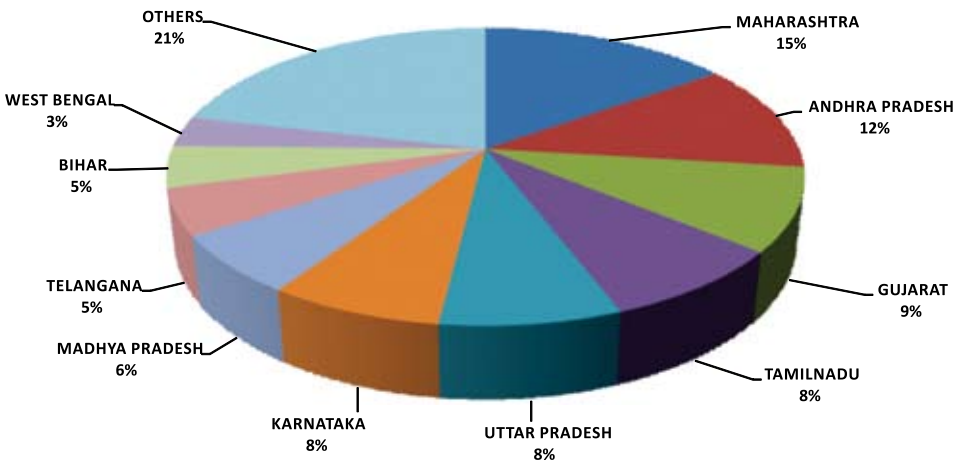
## STATE-WISE AREA, PRODUCTION AND PRODUCTIVITY OF FRUITS

STATE/UT'S	AREA (IN '000HA)				PRODUCTION (IN '000MT)				PRODUCTIVITY (IN MT/HA)						
	1991-92	2001-02	2011-12	2012-13	2013-14	1991-92	2001-02	2011-12	2012-13	2013-14	1991-92	2001-02	2011-12	2012-13	2013-14
MAHARASHTRA	256.1	582.8	1560.0	1549.0	1565.0	3518.4	8840.6	10538.0	9785.0	13457.9	13.7	15.2	6.8	6.3	8.6
ANDHRA PRADESH	313.1	575.8	671.7	940.7	640.1	4008.2	6157.4	9841.1	13939.1	10510.6	12.8	10.7	14.7	14.8	16.4
GUJARAT	84.5	149.0	353.7	381.5	370.8	1828.9	2346.9	7522.4	8413.2	8002.0	21.6	15.7	21.3	22.1	21.6
TAMILNADU	136.2	227.5	332.0	309.9	328.6	2316.1	4342.4	8535.1	6699.9	7369.9	17.0	19.1	25.7	21.6	22.4
UTTAR PRADESH	303.2	288.3	337.0	326.2	378.0	2449.8	2282.8	5795.1	5176.1	6887.4	8.1	7.9	17.2	15.9	18.2
KARNATAKA	209.3	257.1	371.8	388.2	396.0	3191.8	4028.9	6428.1	6619.6	6652.4	15.2	15.7	17.3	17.1	16.8
MADHYA PRADESH	64.7	46.6	159.6	195.4	203.8	1245.0	1143.8	3391.3	5450.0	5696.0	19.2	24.6	21.3	27.9	28.0
TELANGANA	Included in Andhra Pradesh														
BIHAR	266.9	272.3	299.2	301.5	302.1	2799.2	2877.0	3946.4	4249.2	4013.6	10.5	10.6	13.2	14.1	13.3
WEST BENGAL	111.3	147.6	216.6	220.6	223.5	1131.7	1985.5	3055.4	3172.5	2909.7	10.2	13.5	14.1	14.4	13.0
KERALA	236.3	234.5	296.1	314.6	377.0	1101.3	1772.6	2429.5	2583.9	2889.5	4.7	7.6	8.2	8.2	7.7
ODISHA	136.3	225.0	329.0	329.4	325.9	978.0	1362.9	2154.4	2210.4	2148.3	7.2	6.1	6.5	6.7	6.6
JAMMU & KASHMIR	119.1	142.2	455.7	347.2	355.2	700.8	1000.9	2329.9	1742.1	2073.9	5.9	7.0	5.1	5.0	5.8
ASSAM	72.3	110.8	142.8	150.7	144.7	886.4	1335.1	1851.8	2073.8	2007.8	12.3	12.0	13.0	13.8	13.9
CHHATTISGARH															
PUNJAB	72.7	37.5	71.5	74.9	76.6	663.8	531.7	1419.9	1502.5	1541.2	9.1	14.2	19.9	20.1	20.1
JHARKHAND															
HIMACHAL PRADESH	157.2	223.0	214.6	218.0	220.7	339.9	263.4	372.8	555.7	866.3	2.2	1.2	1.7	2.5	3.9
TRIPURA	44.9	28.3	54.5	60.1	68.4	319.1	452.1	644.4	697.9	786.4	7.1	16.0	11.8	11.6	11.5
UTTARAKHAND	150.5	197.5	200.7	200.9	171.6	428.7	376.1	802.1	805.7	678.5	2.8	1.9	4.0	4.0	4.0
RAJASTHAN	22.8	22.1	48.8	46.5	37.4	113.6	200.7	613.9	716.8	581.8	5.0	9.1	12.6	15.4	15.6
HARYANA	13.9	31.3	47.0	49.5	50.6	110.0	235.2	476.6	516.1	554.9	7.9	7.5	10.1	10.4	11.0
MANIPUR	19.8	26.1	49.5	51.9	54.1	43.0	134.0	405.9	440.6	515.7	2.2	5.1	8.2	8.5	9.5
NAGALAND	5.2	25.0	33.7	37.2	40.6	9.2	302.0	347.7	276.0	411.0	1.8	12.1	10.3	7.4	10.1
MEGHALAYA	24.2	24.0	32.3	33.2	35.3	218.1	186.9	300.4	316.6	348.0	9.0	7.8	9.3	9.5	9.9
ARUNACHAL PRADESH	9.3	19.0	43.7	49.7	57.6	34.8	63.4	275.7	293.0	343.9	3.7	3.3	6.3	5.9	6.0
GOA	20.2	41.6	85.1	86.9	89.1	47.3	124.9	308.9	312.2	321.3	2.3	3.0	3.6	3.6	3.6
ANDAMAN & NICOBAR	11.0	10.7	11.1	11.2	11.3	84.2	64.7	154.7	80.9	81.2	7.7	6.0	13.9	7.2	7.2
SIKKIM	3.3	3.7	3.2	3.3	3.6	12.9	16.7	30.5	30.7	29.7	3.9	4.5	9.4	8.4	8.4
PUODUCHERRY	7.7	12.3	13.4	14.7	16.0	18.8	10.3	22.5	24.0	24.1	2.4	0.8	1.7	1.6	1.5
LAKSHADWEEP	1.0	1.1	0.6	0.5	0.6	19.7	24.0	9.2	9.3	12.6	19.7	21.8	16.2	19.5	19.7
DELHI	0.3	0.3	0.2	0.2	0.2	0.5	1.1	0.4	0.5	0.5	1.7	3.7	2.0	2.2	2.2
	0.1	0.1	0.1	0.0	0.0	0.7	1.0	1.0	0.0	0.0	7.0	10.0	16.5	0.0	0.0
DADRA & NAGAR															
HAVELI	0.7	0.7	0.0	0.0	0.0	7.1	7.1	0.0	0.0	0.0	10.1	10.1	0.0	0.0	0.0
DAMAN & DIU	0.3	0.4	0.0	0.0	0.0	3.1	3.4	0.0	0.0	0.0	10.3	8.5	0.0	0.0	0.0
CHANDIGARH	0.1	0.1	0.0	0.0	0.0	1.9	1.1	0.0	0.0	0.0	19.0	11.0	0.0	0.0	0.0
TOTAL	2874.5	4010.2	6704.2	6982.0	7216.3	28632.0	43000.9	76424.2	81285.4	88977.1	10.0	10.7	11.4	11.6	12.3

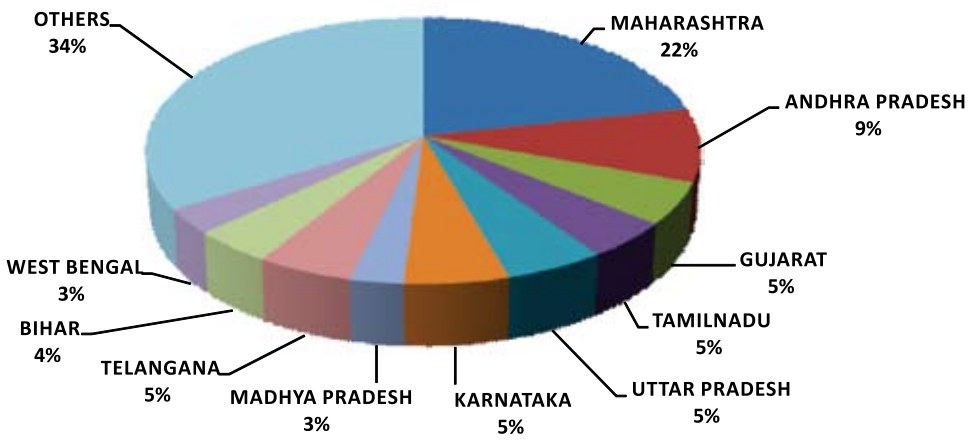
Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



## Leading Fruit Producing States in Terms of Production(2013-14)



## Leading Fruit Producing States in Terms of Area (2013-14)



## STATE-WISE AREA, PRODUCTION AND PRODUCTIVITY OF VEGETABLES

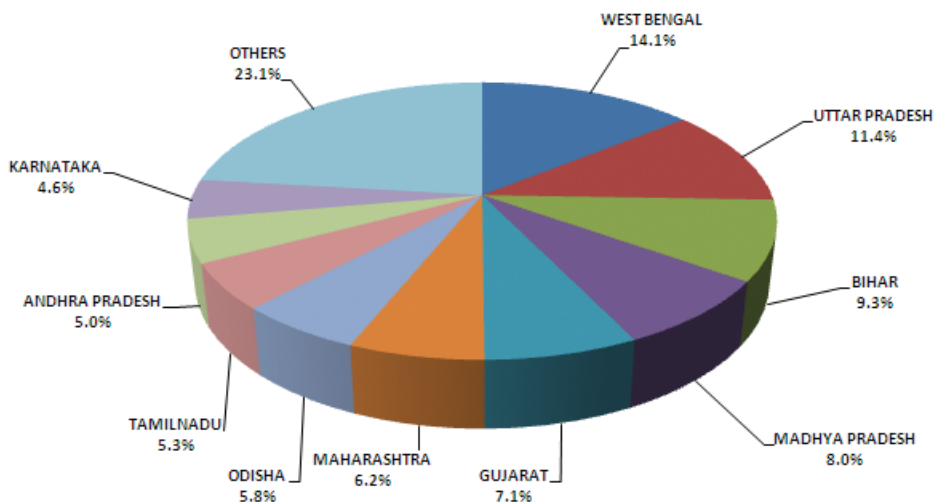
STATE/UT'S	AREA (IN '000HA)					PRODUCTION(IN '000MT)					PRODUCTIVITY (IN MT/HA)				
	1991-92	2001-02	2011-12	2012-13	2013-14	1991-92	2001-02	2011-12	2012-13	2013-14	1991-92	2001-02	2011-12	2012-13	2013-14
WEST BENGAL	456.0	1139.0	1330.9	1348.0	1380.3	4680.0	18075.3	23415.7	25486.8	23045.0	10.3	15.9	17.6	18.9	16.7
UTTAR PRADESH	576.7	777.9	852.1	912.7	859.4	9673.3	15044.8	18563.8	19571.6	18545.0	16.7	19.3	21.8	21.4	21.6
BIHAR	843.3	578.9	857.0	861.8	809.8	8643.1	8022.9	15552.4	16325.7	15097.8	10.2	13.9	18.1	18.9	18.6
MADHYA PRADESH	176.4	136.4	507.0	612.8	628.7	2221.0	1817.5	10084.0	12574.0	13019.3	12.6	13.3	19.9	20.5	20.7
GUJARAT	114.6	232.2	517.6	537.6	582.3	1667.9	3278.2	10049.8	10520.7	11571.2	14.6	14.1	19.4	19.6	19.9
MAHARASHTRA	241.1	402.4	591.0	474.0	726.0	4171.3	5128.3	8778.0	8008.0	10161.8	17.3	12.7	14.9	16.9	14.0
ODISHA	710.3	643.4	690.1	688.1	677.3	7275.0	7447.4	9520.6	9484.0	9433.7	10.2	11.6	13.8	13.8	13.9
TAMILNADU	889.3	213.8	306.7	277.8	289.7	3796.9	5444.6	9068.5	7897.9	8678.8	4.3	25.5	29.6	28.4	30.0
ANDHRA PRADESH	155.2	222.5	661.0	686.1	439.6	1452.6	2566.7	12025.3	12104.7	8149.8	9.4	11.6	18.2	17.6	18.5
KARNATAKA	351.1	358.1	454.7	436.6	418.7	3673.2	4173.2	7862.5	7841.9	7500.7	10.5	11.7	16.9	18.0	17.9
HARYANA	60.8	150.4	356.8	360.3	373.2	877.0	2151.9	5068.4	5011.3	5565.9	14.4	13.0	14.3	13.9	14.9
CHHATTISGARH		104.1	351.6	380.7	403.4		1355.3	4582.6	4983.9	5465.9		13.0	13.0	13.1	13.5
JHARKHAND		158.5	261.2	321.5	313.6		1736.3	3902.6	4325.4	4238.1		11.0	14.9	13.5	13.5
PUNJAB		84.5	135.0	178.2	184.1		2275.6	3674.5	3782.6	3836.2		17.2	16.9	20.5	20.6
TELANGANA					220.9					3647.3		0.0	0.0	0.0	16.5
KERALA	202.1	114.3	149.1	146.1	147.7	3229.1	2541.9	3626.0	3446.9	3572.7	16.0	22.2	24.3	23.6	24.2
ASSAM	222.4	237.4	266.0	278.7	281.4	2132.3	2935.2	3045.6	3415.1	3031.9	9.6	12.4	11.4	12.3	10.8
HIMACHAL PRADESH	38.7	34.6	85.7	79.5	86.6	476.0	639.1	1561.5	1521.1	1635.9	12.3	18.5	18.2	19.1	18.9
JAMMU & KASHMIR	180.3	50.8	63.1	63.1	63.1	745.0	728.9	1395.5	1395.5	1395.5	4.1	14.4	22.1	22.1	22.1
RAJASTHAN	62.9	99.3	181.7	224.4	148.9	307.0	432.5	1287.4	873.5	1114.1	4.9	4.4	7.1	3.9	7.5
UTTARAKHAND	57.1	93.8	89.3	88.0	88.3	617.6	737.3	1066.7	1059.6	1016.8	10.8	7.9	11.9	12.0	11.5
TRIPURA	30.3	31.3	34.2	45.1	46.7	306.8	353.2	552.6	754.1	780.5	10.1	11.3	16.2	16.7	16.7
MEGHALAYA	25.9	35.7	39.5	40.5	43.6	219.2	265.9	385.0	403.4	515.3	8.5	7.4	9.8	10.0	11.8
NAGALAND	8.2	26.3	33.0	26.0	38.6	66.9	286.0	222.6	207.7	492.4	8.2	10.9	6.7	8.0	12.8
DELHI	55.0	111.0	27.9	27.9	27.3	627.8	747.4	466.7	439.3	437.0	11.4	6.7	16.7	15.7	16.0
MANIPUR	11.8	10.6	20.8	21.7	25.2	50.3	66.1	200.3	219.8	271.0	4.3	6.2	9.6	10.1	10.8
MIZORAM	6.0	6.8	37.4	39.3	41.1	31.8	44.1	221.1	236.7	254.1	5.3	6.5	5.9	6.0	6.2
SIKKIM	7.6	14.2	25.0	25.6	26.1	46.1	60.0	127.7	132.5	134.5	6.1	4.2	5.1	5.2	5.2
GOA		7.6	6.5	6.7	7.0		76.0	78.2	80.5	79.9		10.0	12.0	12.1	11.4
ANDAMAN & NICOBAR	3.4	3.1	6.3	6.4	6.9	13.2	15.8	43.2	44.2	51.8	3.9	5.1	6.8	6.9	7.5
ARUNACHAL PRADESH	17.1	20.8	6.3	1.5	1.4	79.9	83.9	83.5	37.6	35.0	4.7	4.0	13.2	24.7	25.0
PUDUCHERRY	2.3	3.7	0.6	1.5	0.9	22.3	54.2	7.5	25.0	16.3	9.7	14.6	13.6	17.1	18.1
DADRA & NAGAR HAVELI	1.5	1.5	1.1	1.1	1.1	13.6	13.5	5.5	5.5	5.5	9.1	9.0	5.0	5.0	5.0
LAKSHADWEEP	0.4	0.2	0.3	0.3	0.3	0.4	0.2	0.3	0.3	0.3	1.0	1.0	1.2	1.3	1.3
DAMAN & DIU	0.1	0.1	0.0	0.0	0.0	0.3	1.1	0.0	0.0	0.0	3.0	11.0	0.0	0.0	0.0
CHANDIGARH	0.3	0.1				11.1	1.7				37.0	17.0	0.0	0.0	0.0
TOTAL	5592.4	6155.6	8898.6	9205.2	9396.0	58520.9	88620.3	156325.5	162186.6	162896.9	10.5	14.4	17.4	17.6	17.3

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

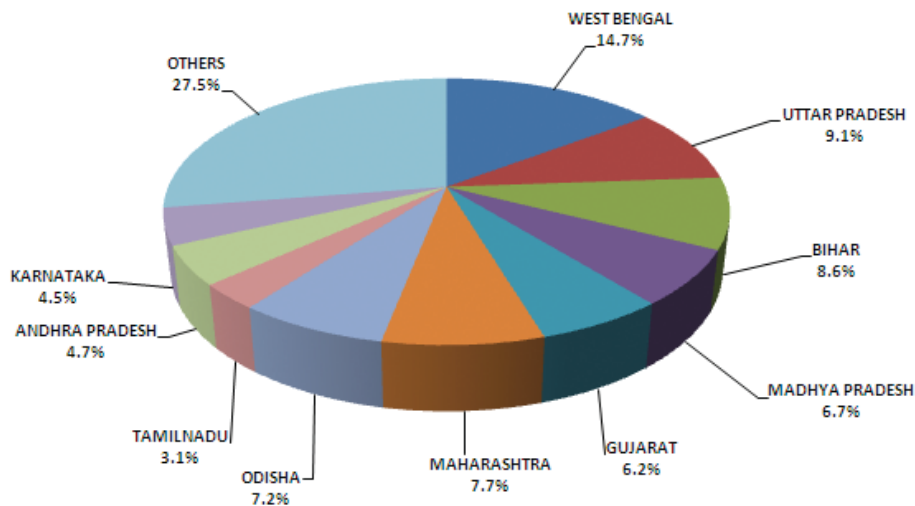


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National Horticulture Board

## Leading Vegetables Producing States in Terms of Production (2013-14)



## Leading Vegetable Producing States in Terms of Area (2013-14)



## STATE-WISE AREA AND PRODUCTION OF FLOWERS

STATE/UT'S	AREA IN '000 HA				PRODUCTION (LOOSE IN '000 MT AND CUT IN LAKH NOS)-Cut 2013-14 in '000 MT					
	2011-12	2012-13	2013-14		2011-12		2012-13		2013-14	
					LOOSE	CUT	LOOSE	CUT	LOOSE	CUT
WEST BENGAL	23.9	24	24.9		63.91	25042.1	65.14	25428.1	66.50	145.2
KARNATAKA	29.2	30	30.6		211.5	10388.0	207.5	9441.8	211.5	71.5
ODISHA	7.5	8	7.4		26.1	6020.0	26.2	6040.0	37.4	57.4
UTTAR PRADESH	14.5	16	16.6		27.05	4194.0	31.49	4908.0	32.16	54.1
MAHARASHTRA	18.9	22	23.0		104.0	7914.0	119.0	7914.0	122.7	44.0
TELANGANA			6.9						40.7	35.1
ASSAM	0.0	2	3.0		0.0	0.0	11.7	3750.0	20.0	32.7
ANDHRA PRADESH	64.2	35	20.4		389.0	7099.4	224.4	6909.0	136.3	30.0
TAMILNADU	32.3	29	55.0		332.81	0.0	312.97	1168.0	343.65	12.9
HIMACHAL PRADESH	0.9	1	0.8		35.3	1948.1	37.7	1760.3	28.1	12.4
HARYANA	6.3	6	6.5		64.2	1269.5	64.7	1270.6	65.5	11.3
JHARKHAND	1.6	2	1.6		22.0	1711.0	22.0	1711.0	22.0	9.5
UTTARAKHAND	1.5	2	1.4		1.81	3567.6	1.82	3633.0	2.02	8.5
DELHI	5.5	6	5.5		5.7	1038.0	5.7	1038.0	5.7	5.8
BIHAR	0.9	1	0.8		8.7	1285.0	10.2	324.0	7.6	2.7
MEGHALAYA			0.1						0.0	2.4
SIKKIM	0.2	0	0.2		25.95	209.1	26.50	214.1	16.00	1.9
ARUNACHAL PRADESH	1.2	0	0.0		0.0	2860.0	0.0	297.0	0.0	1.9
JAMMU & KASHMIR	0.2	1	0.8		1.1	155.9	0.4	222.1	0.4	1.8
MIZORAM	0.1	0	0.2		0.0	349.0	166.8	605.2	171.6	1.2
NAGALAND	0.0	0	0.0		0.0	15.4	0.0	96.7	0.0	0.4
GOA			0.0						0.0	0.1
MANIPUR	0.0	0	0.8		0.0	0.0	0.0	0.0	0.3	0.0
MADHYA PRADESH	15.6	17	17.1		150.7	0.0	183.0	0.0	200.4	0.0
GUJARAT	16.0	17	17.3		135.5	0.0	149.3	0.0	163.6	0.0
CHHATTISGARH	8.4	10	10.1		32.9	0.0	37.8	0.0	45.7	0.0
PUNJAB	2.1	2	1.4		10.1	0.1	10.5	0.0	10.5	0.0
RAJASTHAN	2.5	3	2.5		2.7	0.0	3.7	0.0	2.7	0.0
PUDUCHERRY	0.1	0	0.1		0.0	0.0	0.4	0.0	1.2	0.0
ANDAMAN & NICOBAR	0.0	0	0.1		0.3	0.0	0.4	0.0	0.3	0.0
DAMAN & DIU	0.0	0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	253.6	232.6	255.0		1650.87	75066.0	1728.4	76731.9	1754	543

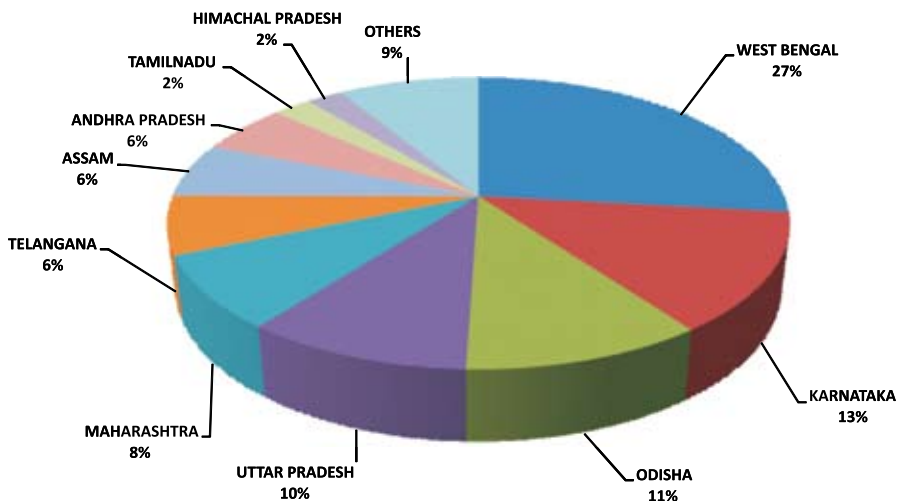
Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



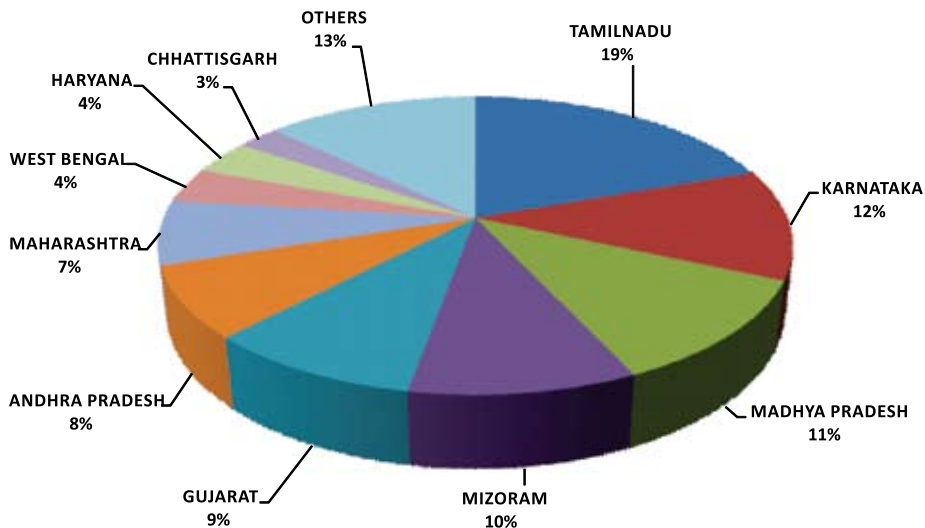


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## Leading cut flower producing states (2013-14)



## Leading loose flower producing states (2013-14)



# STATEWISE AREA, PRODUCTION & PRODUCTIVITY OF PLANTATION CROPS IN INDIA

Area in '000 HA, Production in '000 MT

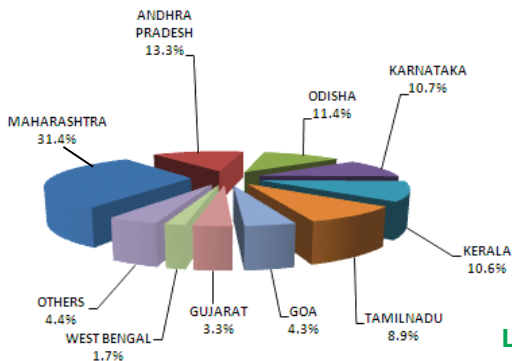
STATE/UT'S	CASHEW NUT						ARCANUT						COCOA						COCONUT					
	2011-12		2012-13		2013-14		2011-12		2012-13		2013-14		2011-12		2012-13		2013-14		2011-12		2012-13		2013-14	
	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P
ANDAMAN & NICOBAR	1.2	0.4	1.2	0.4	1.2	0.4	4.2	6.0	4.2	5.9	4.2	5.9	21.8	72.3	21.9	89.5	21.9	89.5	21.9	89.5	21.9	89.5	21.9	89.5
ANDHRA PRADESH	184.0	113.6	184.0	118.1	185.0	100.4	5.3	8.5	0.6	0.3	0.5	0.3	18.7	4.0	20.7	4.2	22.2	5.6	142.0	127.0	128.9	1330.4	121.9	1258.4
ARUNACHAL PRADESH					1.0	0.6																		
ASSAM	0.6	0.5	0.9	0.5	1.0	6.5	73.1	72.9	75.1	72.6	76.6	74.0												
BIHAR																								
CHHATTISGARH	13.5	15.0	13.5	9.6	13.6	8.8													20.8	194.8	22.2	110.3	20.2	94.0
GOA	57.5	28.8	57.5	30.0	58.0	32.4	1.7	2.9	1.7	2.9	1.7	2.9							15.2	97.5	15.3	97.1	15.3	97.3
GUJARAT	7.6	22.9	8.0	24.5	8.0	24.5													0.8	6.3	1.4	7.9	1.5	15.2
JHARKHAND	10.5	4.0	11.5	4.6	13.8	4.6													25.7	89.0	25.7	84.5	25.8	88.2
KARNATAKA	121.3	66.0	122.1	74.6	124.1	80.6	236.8	380.8	221.4	358.6	217.5	348.8	10.6	2.0	10.9	2.1	11.7	2.1	511.0	3784.6	513.1	4169.9	517.3	3469.5
KERALA	82.9	74.0	84.9	77.0	84.9	80.1	97.1	117.3	96.6	96.3	102.1	113.4	12.3	5.9	12.5	6.1	13.5	6.3	766.0	3973.9	798.2	3990.4	797.2	4107.4
LAKSHADWEEP																			2.6	48.7	2.6	48.8	2.6	48.8
MAHARASHTRA	183.0	216.0	184.2	224.6	184.2	236.2	2.2	3.6	2.2	3.6	2.2	3.6							21.0	120.0	28.1	129.0	28.1	129.0
MANIPUR					0.9	1.5																		
MEGHALAYA	8.0	9.0	8.5	9.4	8.5	4.7	14.6	19.8	14.6	19.8	17.1	24.7							0.0	0.1	0.0	0.1	0.0	0.1
MIZORAM	0.0	2.0			0.0	0.0	5.0	12.4	7.6	4.3	7.6	4.3							0.9	0.3	1.3	10.4	1.5	11.2
NAGALAND					0.0	0.0	0.2	1.3	0.2	0.1	0.2	0.1							53.9	258.0	54.3	262.2	50.8	223.6
ODISHA	157.5	96.0	163.9	100.8	166.9	85.7													2.1	20.0	2.0	23.2	2.0	23.5
PUDUCHERRY					5.0	3.0	0.1	0.1	0.1	0.1	0.1	0.1							430.7	4515.6	465.1	4760.7	465.1	4760.7
TAMILNADU	136.4	60.0	136.4	62.4	139.4	67.4	6.4	15.7	6.1	13.2	6.1	13.2	21.4	1.0	22.4	1.0	24.0	1.1						
TELANGANA																								
TRIPURA	3.9	5.5	4.1	4.7	4.2	2.8	5.6	17.7	4.7	9.9	4.7	9.9							6.2	18.1	6.5	18.9	6.9	19.5
WEST BENGAL	11.0	11.6	11.0	12.1	11.2	13.0	11.5	21.8	11.4	21.2	11.4	21.2							29.1	252.9	29.2	254.2	29.3	255.2
TOTAL	978.8	725.2	991.6	753.4	1010.9	753.2	463.9	680.7	446.4	608.7	451.9	622.3	63.0	12.9	66.5	13.4	71.4	15.1	2070.8	14939.9	2136.7	15609.1	2140.5	14910.7

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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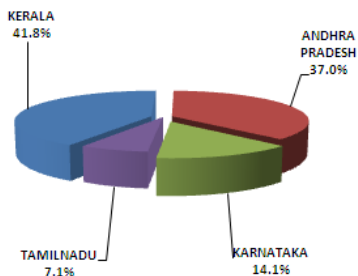
## LEADING CASHEWNUIT PRODUCING STATES DURING 2013-14



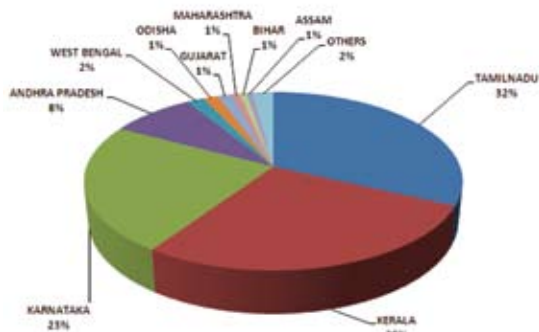
## LEADING ARECANUT PRODUCING STATES DURING 2013-14



## LEADING COCOA PRODUCING STATES DURING 2013-14



## LEADING COCONUT PRODUCING STATES DURING 2013-14





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## STATEWISE AREA, PRODUCTION & PRODUCTIVITY OF MAJOR SPICES IN INDIA

Area in '000 HA, Production in '000MT & Productivity=MT/HA

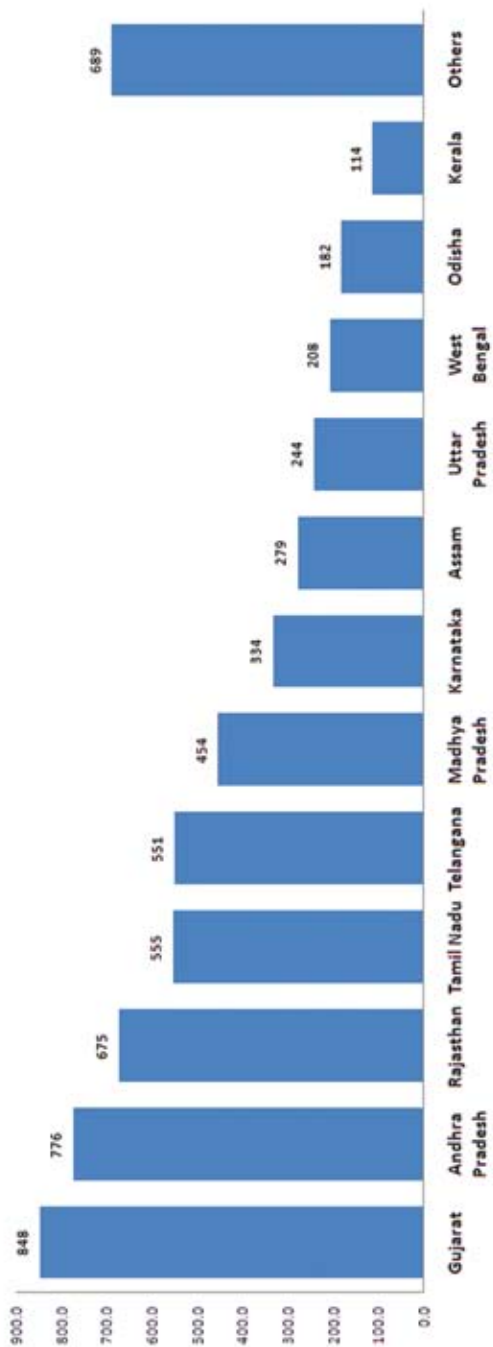
State	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
Gujarat	551.7	882.1	1.6	551.7	882.1	1.6	541.8	848.5	1.6
Andhra Pradesh	292.8	1129.3	3.9	312.6	1187.7	3.8	169.4	775.8	4.6
Rajasthan	730.5	871.6	1.2	720.6	860.9	1.2	819.5	674.8	0.8
Tamil Nadu	157.3	426.4	2.7	124.4	279.6	2.2	166.0	554.5	3.3
Telangana							134.2	551.5	4.1
Madhya Pradesh	299.9	461.2	1.5	299.9	461.2	1.5	284.9	454.2	1.6
Karnataka	265.1	502.5	1.9	213.8	369.9	1.7	191.8	333.8	1.7
Assam	93.0	261.6	2.8	96.7	287.5	3.0	93.1	279.1	3.0
Uttar Pradesh	58.3	202.0	3.5	60.2	212.3	3.5	61.7	244.0	4.0
West Bengal	97.1	207.7	2.1	97.6	207.7	2.1	97.6	207.7	2.1
Odisha	123.9	187.5	1.5	123.9	181.5	1.5	123.3	181.5	1.5
Kerala	254.6	112.8	0.4	170.0	128.9	0.8	167.0	114.1	0.7
Maharashtra	116.5	106.5	0.9	120.8	109.0	0.9	120.8	109.0	0.9
Meghalaya	16.8	74.8	4.4	16.9	74.8	4.4	17.5	83.9	4.8
Haryana	12.8	61.7	4.8	16.1	82.8	5.1	16.1	82.8	5.1
Punjab	18.4	68.2	3.7	18.4	68.2	3.7	19.1	70.9	3.7
Arunachal Pradesh	10.1	61.6	6.1	10.2	64.3	6.3	10.2	64.3	6.3
Mizoram	20.6	115.0	5.6	22.5	59.6	2.7	22.5	59.6	2.7
Sikkim	24.4	54.4	2.2	26.6	60.1	2.3	32.1	55.8	1.7
Uttarakhand	6.6	38.8	5.9	8.1	41.1	5.1	8.1	41.1	5.1
Nagaland	9.8	39.2	4.0	9.8	39.2	4.0	9.8	39.2	4.0
Manipur	10.5	24.1	2.3	10.5	24.1	2.3	10.5	24.1	2.3
Tripura	5.7	18.0	3.2	5.7	18.0	3.2	5.7	18.0	3.2
Himachal Pradesh	4.8	19.3	4.0	7.3	10.3	1.4	8.4	14.2	1.7
Bihar	13.0	12.5	1.0	13.0	12.5	1.0	13.0	12.5	1.0
Chhattisgarh	11.7	8.3	0.7	12.3	15.4	1.2	11.8	8.3	0.7
A & N Islands	1.7	3.0	1.8	1.7	3.6	2.1	1.7	3.2	1.9
J& Kashmir	4.1	1.1	0.3	4.1	1.1	0.3	4.9	1.1	0.2
Puducherry	0.1	0.1	1.3	0.0	0.0	1.0	0.1	0.4	4.2
Goa	0.7	0.2	0.3	0.7	0.2	0.3	0.9	0.3	0.3
Total	3211.7	5951.2	1.9	3075.2	5743.3	1.9	3163.3	5908.3	1.9

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## Leading Spices Producing States during 2013-14 (in '000MT)

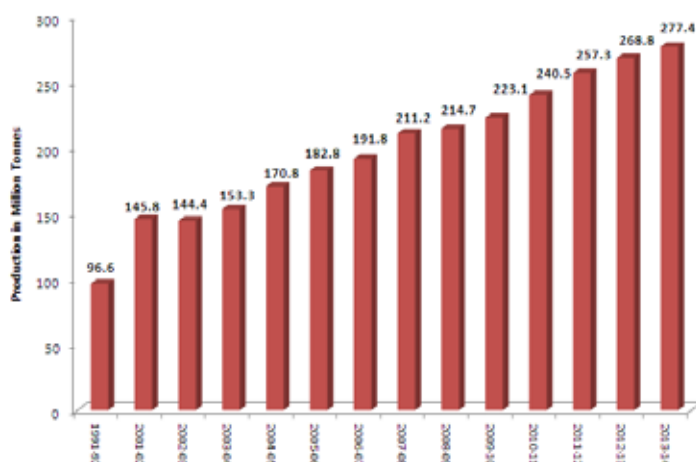




## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF HORTICULTURAL CROPS

YEAR	AREA (IN MILLION HA)	PRODUCTION (IN MILLION MT)	PRODUCTIVITY (IN MT/HA)
1991-92	12.8	96.6	7.5
2001-02	16.6	145.8	8.8
2002-03	16.3	144.4	8.9
2003-04	19.2	153.3	8.0
2004-05	21.1	170.8	8.1
2005-06	18.7	182.8	9.8
2006-07	19.4	191.8	9.9
2007-08	20.2	211.2	10.5
2008-09	20.7	214.7	10.4
2009-10	20.9	223.1	10.7
2010-11	21.8	240.5	11.0
2011-12	23.2	257.3	11.1
2012-13	23.7	268.8	11.3
2013-14	24.2	277.4	11.5

## Indian Horticulture Production At A Glance (in Million MT)



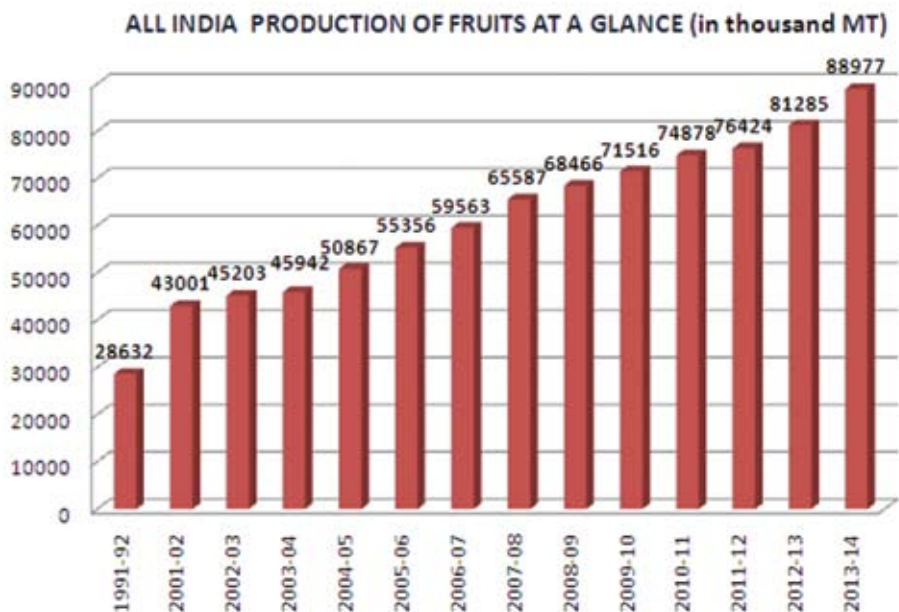
Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF FRUITS

YEAR	AREA (IN '000 HA)	PRODUCTION (IN '000MT)	PRODUCTIVITY (IN MT/HA)
1991-92	2874	28632	10.0
2001-02	4010	43001	10.7
2002-03	3788	45203	11.9
2003-04	4661	45942	9.9
2004-05	5049	50867	10.1
2005-06	5324	55356	10.4
2006-07	5554	59563	10.7
2007-08	5857	65587	11.2
2008-09	6101	68466	11.2
2009-10	6329	71516	11.3
2010-11	6383	74878	11.7
2011-12	6705	76424	11.4
2012-13	6982	81285	11.6
2013-14	7216	88977	12.3

## ALL INDIA PRODUCTION OF FRUITS AT A GLANCE (in thousand MT)



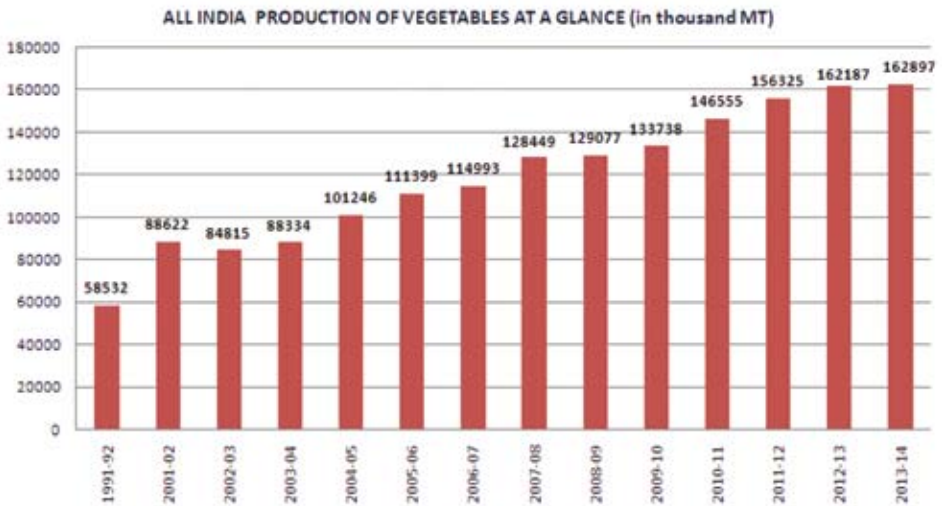
Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF VEGETABLES

YEAR	AREA (IN '000 HA)	PRODUCTION (IN '000 MT)	PRODUCTIVITY (IN MT/HA)
1991-92	5593	58532	10.5
2001-02	6156	88622	14.4
2002-03	6092	84815	13.9
2003-04	6082	88334	14.5
2004-05	6744	101246	15.0
2005-06	7213	111399	15.4
2006-07	7581	114993	15.2
2007-08	7848	128449	16.4
2008-09	7981	129077	16.2
2009-10	7985	133738	16.7
2010-11	8495	146555	17.3
2011-12	8989	156325	17.4
2012-13	9205	162187	17.6
2013-14	9396	162897	17.3

## ALL INDIA PRODUCTION OF VEGETABLES AT A GLANCE (in thousand MT)



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



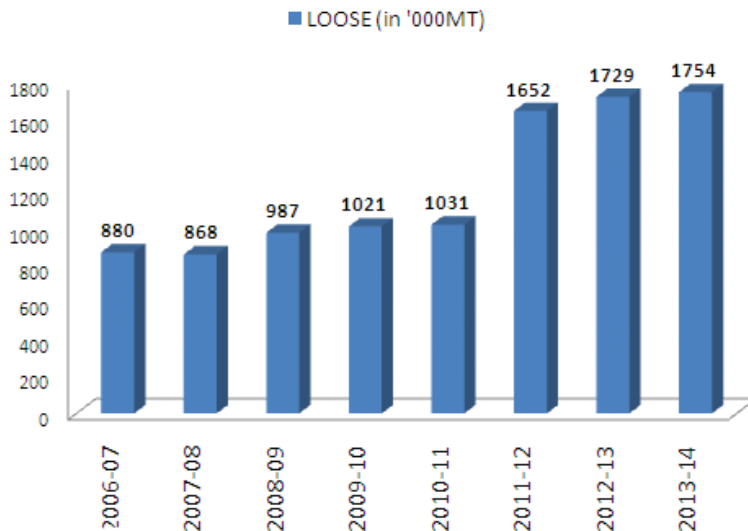
## ALL INDIA AREA, PRODUCTION OF FLOWERS

YEAR	AREA (IN '000 HA)	PRODUCTION	
		LOOSE (IN '000MT)	CUT (IN LAKH NOS.)
2006-07	144	880	37175
2007-08	166	868	43654
2008-09	167	987	47942
2009-10	183	1021	66671
2010-11	191	1031	69027
2011-12	254	1652	75066
2012-13	233	1729	76732
2013-14	255	1754	543 (in' 000 MT)

## CUT FLOWER CONVERSION NUMBER INTO TONS 2013-14

S.NO.	CUT FLOWER	NUMBER PER TON
1	ROSE	13000
2	GLADIOLUS	8000
3	CARNATION	21000
4	GERBERA	17500
5	LILIUM	8000
6	ORCHID	13000
7	IRIS	21500
8	OTHERS	18000

## ALL INDIA PRODUCTION OF FLOWERS AT A GLANCE



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

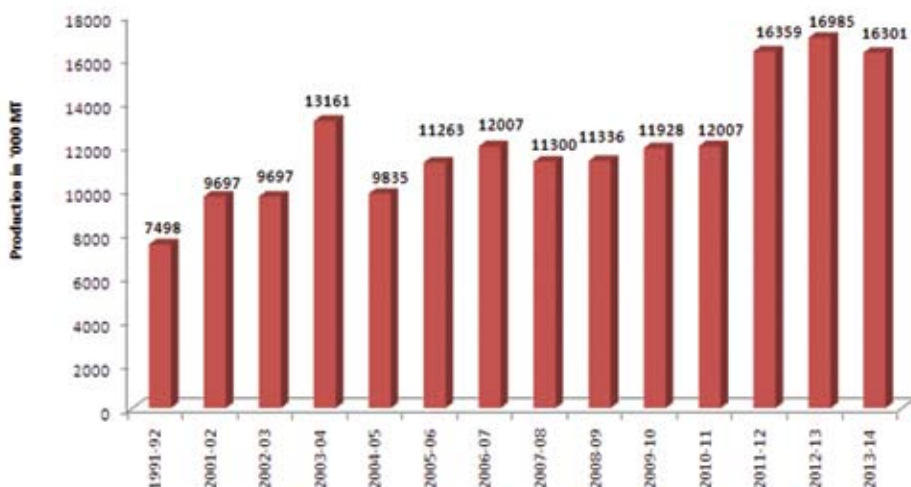


## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF PLANTATION CROP

YEAR	AREA (IN '000 HA)	PRODUCTION (IN '000MT)	PRODUCTIVITY (IN MT/HA)
1991-92	2298	7498	3.3
2001-02	2984	9697	3.3
2002-03	2984	9697	3.3
2003-04	3102	13161	4.2
2004-05	3147	9835	3.1
2005-06	3283	11263	3.4
2006-07	3207	12007	3.7
2007-08	3190	11300	3.5
2008-09	3217	11336	3.5
2009-10	3265	11928	3.7
2010-11	3306	12007	3.6
2011-12	3577	16359	4.6
2012-13	3641	16985	4.7
2013-14	3675	16301	4.4

Note : Plantation Crops include data of Cashewnut, Arecanut, Cocoa and Coconut

## PRODUCTION TREND OF PLANTATION CROPS IN INDIA



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

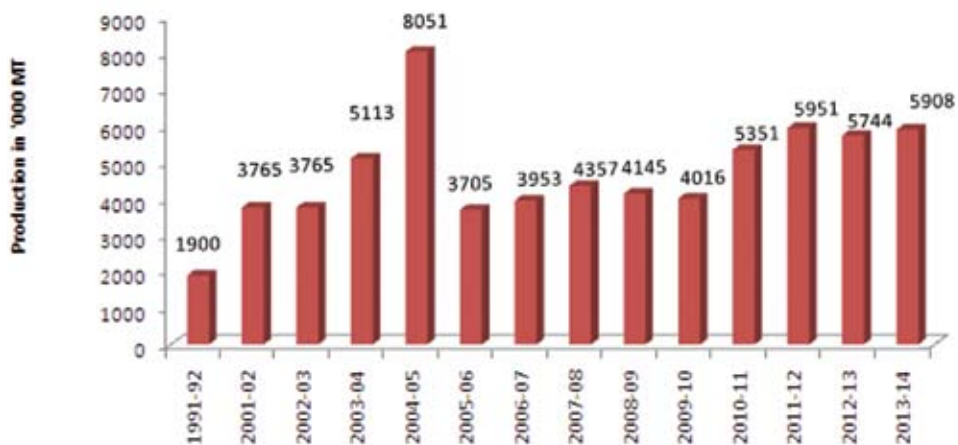




## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF SPICES

YEAR	AREA (IN '000HA)	PRODUCTION (IN '000 MT)	PRODUCTIVITY (IN MT/HA)
1991-92	2005	1900	0.9
2001-02	3220	3765	1.2
2002-03	3220	3765	1.2
2003-04	5155	5113	1.0
2004-05	5909	8051	1.4
2005-06	2366	3705	1.6
2006-07	2448	3953	1.6
2007-08	2617	4357	1.7
2008-09	2629	4145	1.6
2009-10	2464	4016	1.6
2010-11	2940	5351	1.8
2011-12	3212	5951	1.9
2012-13	3076	5744	1.9
2013-14	3163	5908	1.9

## PRODUCTION TREND OF SPICES IN INDIA



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF ALMOND & WALNUT

YEAR	AREA (IN '000HA)	PRODUCTION (IN '000 MT)	PRODUCTIVITY (IN MT/HA)
2001-02	107	114	1.1
2002-03	117	114	1.0
2003-04	106	121	1.1
2004-05	106	121	1.1
2005-06	130	149	1.2
2006-07	132	150	1.1
2007-08	132	177	1.3
2008-09	136	173	1.3
2009-10	142	193	1.4
2010-11	137	201	1.5
2011-12	172	288	1.7
2012-13	144	242	1.7
2013-14	143	254	1.8

### ALL INDIA PRODUCTION OF MUSHROOM

YEAR	PRODUCTION (IN '000MT)
2001-02	40
2002-03	40
2003-04	40
2004-05	40
2005-06	35
2006-07	37
2007-08	37
2008-09	37
2009-10	41
2010-11	41
2011-12	NA
2012-13	NA
2013-14	17

### ALL INDIA PRODUCTION OF HONEY

YEAR	PRODUCTION (IN '000MT)
2001-02	10
2002-03	10
2003-04	10
2004-05	10
2005-06	52
2006-07	51
2007-08	65
2008-09	65
2009-10	65
2010-11	65
2011-12	NA
2012-13	NA
2013-14	76

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## CHAPTER-II

### COMMODITY-WISE STATUS

- ◆ Fruit Crops
- ◆ Vegetable Crops
- ◆ Potato & Tuber Crops
- ◆ Plantation Crops





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## APPLE

Origin	- Eastern Europe and Western Asia
Major Producing States	- Jammu & Kashmir, Himachal Pradesh, Uttarakhand & Arunachal Pradesh
Latest Production	- 24.97 Lakh Tonnes
Name of Variety (Early Season)	Recommended Areas
Michal	Jammu & Kashmir, Uttarakhand, Tamil Nadu (Ooty and Kodaikanal), Arunachal Pradesh, Nagaland, Mizoram, Sikkim
Mollies Delicious	Jammu & Kashmir, Uttarakhand, Tamil Nadu (Ooty and Kodaikanal), Arunachal Pradesh, Nagaland, Mizoram
Shlomit	Jammu & Kashmir, Uttarakhand, Tamil Nadu (Ooty and Kodaikanal), Arunachal Pradesh, Nagaland, Mizoram
Maayan	Jammu & Kashmir, Uttarakhand, Tamil Nadu (Ooty and Kodaikanal), Arunachal Pradesh, Nagaland, Mizoram, Sikkim
Anna	Himachal Pradesh, Jammu & Kashmir, Uttarakhand, Tamil Nadu (Ooty and Kodaikanal), Nagaland, Mizoram
Chaubattia Anupam	Jammu & Kashmir, Uttarakhand, Nagaland, Mizoram
Tydemans Early Worcester	Himachal Pradesh, Jammu & Kashmir, Uttarakhand, Tamil Nadu (Ooty and Kodaikanal), Arunachal Pradesh, Nagaland, Mizoram, Sikkim
(Mid Season)	
Royal Delicious	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Rich-e-Red	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Red Delicious	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Starkrimson	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Red Chief	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Well Spur	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand, Sikkim
Oregon Spur	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand, Sikkim
Red Spur	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand, Sikkim
Gala	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Granny Smith	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Gala must	Jammu & Kashmir, Arunachal Pradesh, Uttarakhand
Bright-n-early	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Cooper-4	Jammu & Kashmir, Arunachal Pradesh, Uttarakhand
Vance Delicious	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Skyline Supreme	Jammu & Kashmir, Himachal Pradesh
Silver Spur	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand



Golden Spur	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Cithlodh Apple-1 (Late Season)	Jammu & Kashmir, Arunachal Pradesh
Firdous	Jammu & Kashmir, Arunachal Pradesh, Uttarakhand
Lal Ambri	Jammu & Kashmir, Arunachal Pradesh, Uttarakhand
Topred	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Sunhari	Jammu & Kashmir, Arunachal Pradesh, Uttarakhand
Golden Delicious	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Red Gold	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand
Ambri	Jammu & Kashmir, Uttarakhand
Fuji	Jammu & Kashmir, Himachal Pradesh, Arunachal Pradesh, Uttarakhand

#### Major Apple Producing Belts in India

Arunachal Pradesh	:	West Kameng, Tawang, Lower Subansiri, East Kameng, Upper Siang, Upper Dibang Valley
Jammu & Kashmir	:	Srinagar, Ganderbal, Budgam, Anantnag, Kulgam, Pulwama, Shopian, Baramulla, Bandipora, Kupwara, Kathua, Udhampur, Reasi, Doda, Kishtwar, Ramban, Rajouri, Poonch, Leh, Kargil
Himachal Pradesh	:	Shimla (Kotkhai, Jubbal, Rohroo, Rampur, Theog, Chopal, Kumarsain, Kotgarh Dodra Kewar, Kullu (Kullu, Anni, Manali, Nirmal, Sainj), Mandi (Karsog, Janjhali, Banjar), Chamba (Pangi, Bharmour, Saluni), Kinnaur (Rekong Peo, Ropa Valley, Sangla Valley, Chango, Pooh), Lahul Spiti (Kaza, Lahul), Kangra (Multhan, Bara, Bhawal, Chota Bhawal), Sirmour (Rajgarh)
Mizoram	:	Champhai
Nagaland	:	Zunheboto, Phek, Kiphire
Sikkim	:	North Sikkim (Lachung), West Sikkim (Ribdi, Okhrey)
Tamil Nadu	:	Krishnagiri, Nilgiris, Dindigul
Uttarakhand	:	Nainital, Dehradun, Chamoli, Tehri, Uttarkashi

Advance Technology	-	High density planting on Mailing root stock
Pre- cooling	-	Forced air
Storage Conditions	-	
Temperature	-	-10 to 00 with exceptions
Relative Humidity	-	90-95 % *
Storage Period	-	2-8 Months (depends on variety)
Freezing Point	-	-1.70 C approx.
Treatment for quality	-	Pre storage treatment with Antioxidant within a week of harvesting.
Sensibility to	-	Odours





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## HARVESTING SEASON OF APPLE

STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
MEGHALAYA												
MIZORAM												
NAGALAND												
ODISHA												
PUNJAB												
RAJASTHAN												
SIKKIM												
TAMIL NADU												
TRIPURA												
UTTAR PRADESH												
UTTARAKHAND												
WEST BENGAL												
ANDAMAN & NICOBAR												
CHANDIGARH												
DADAR & NAGAR HAVELI												
DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												



ROUND THE YEAR



PEAK SEASON



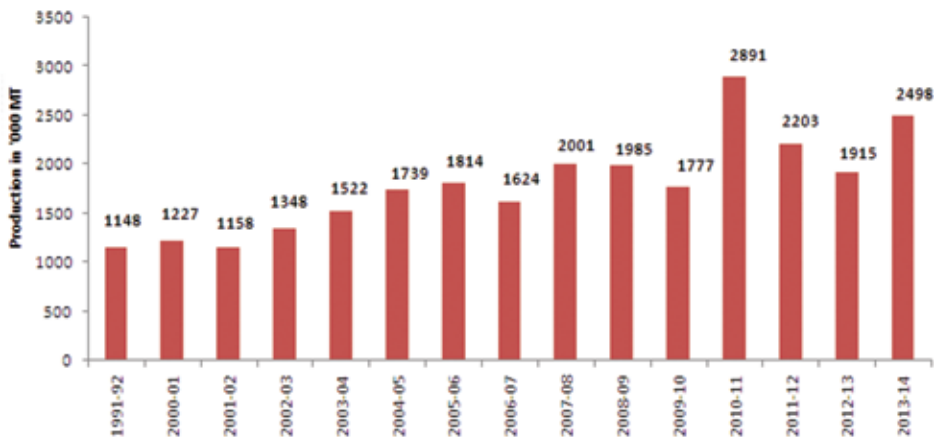
LEAN SEASON



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF APPLE

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	194.5	6.8	1147.7	4.0	5.9
2000-01	239.8	6.2	1226.6	2.8	5.1
2001-02	241.6	6.0	1158.4	2.7	4.8
2002-03	193.1	5.1	1348.4	3.0	7.0
2003-04	201.2	4.3	1521.6	3.3	7.6
2004-05	230.7	4.6	1739.0	3.5	7.5
2005-06	226.6	4.3	1814.0	3.3	8.0
2006-07	252.0	4.5	1624.0	2.7	6.4
2007-08	264.0	4.5	2001.0	3.1	7.6
2008-09	274.0	4.5	1985.0	2.9	7.2
2009-10	282.9	4.5	1777.2	2.5	6.3
2010-11	289.1	4.5	2891.0	3.9	10.0
2011-12	321.9	4.8	2203.4	2.9	6.8
2012-13	311.5	4.5	1915.4	2.4	6.1
2013-14	313.0	4.3	2497.7	2.8	8.0

## PRODUCTION TREND OF APPLE



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF APPLE

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

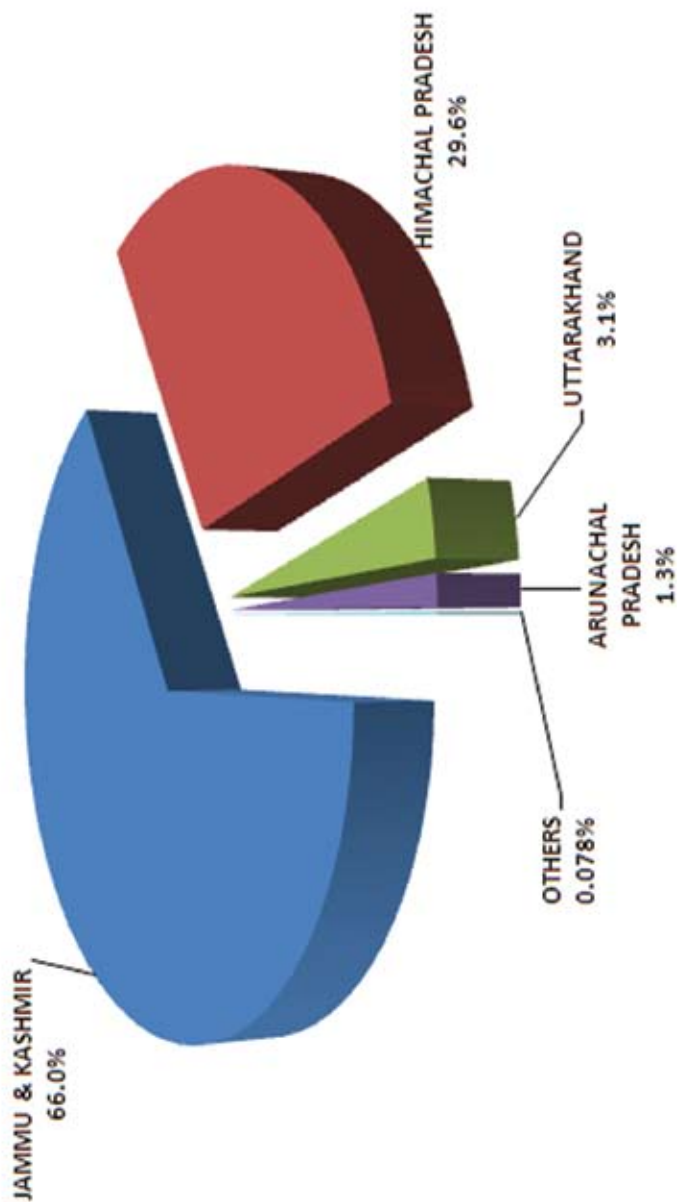
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
JAMMU & KASHMIR	170.6	1775.0	10.4	157.28	1348.2	8.6	160.9	1647.7	10.2
HIMACHAL PRADESH	103.6	275.0	2.7	106.23	412.4	3.9	107.7	738.7	6.9
UTTARAKHAND	33.7	122.7	3.6	33.76	123.2	3.7	30.0	77.5	2.6
ARUNACHAL PRADESH	13.9	30.5	2.2	14.07	31.0	2.2	14.3	31.9	2.2
OTHERS	0.0	0.1	4.3	0.2	0.6	3.0	0.2	2.0	8.5
<b>TOTAL</b>	<b>321.8</b>	<b>2203.4</b>	<b>6.8</b>	<b>311.5</b>	<b>1915.4</b>	<b>6.1</b>	<b>313.0</b>	<b>2497.7</b>	<b>8.0</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## Leading Apple Producing States (2013-14)





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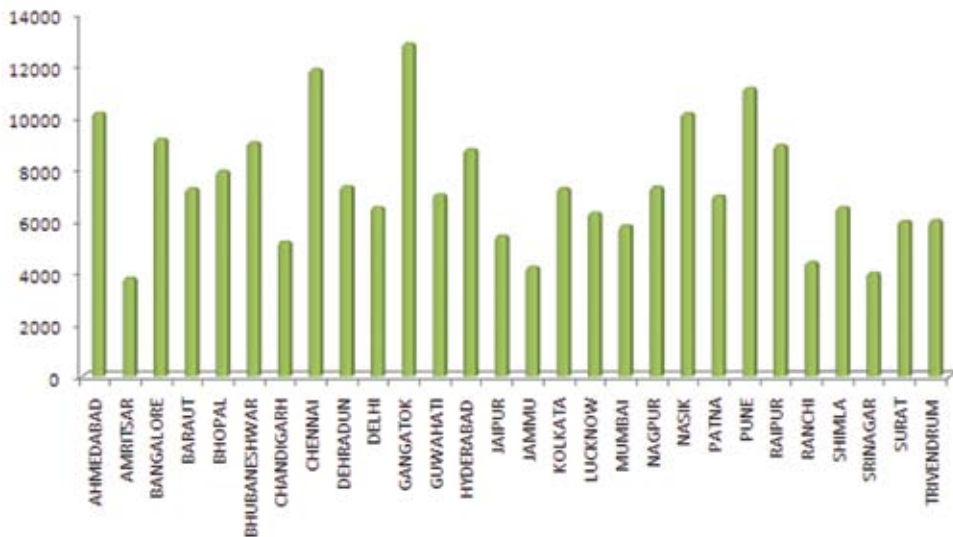
## ALL INDIA ANNUAL WHOLESALSA PRICE AND TOTAL ARRIVAL OF APPLE AND VEGETABLES DURING JAN TO DECEMBER 2014

Average wholesale price in Rs./Qtl.  
Total Arrival in M.T.

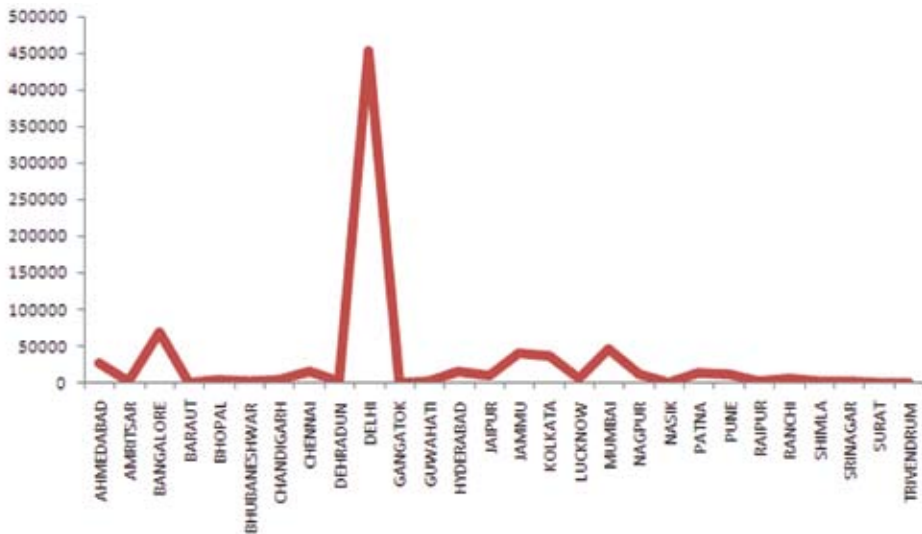
CENTER NAME	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL			
	PRICE	ARRIVAL	PRICE	ARRIVAL	PRICE	ARRIVAL	PRICE	ARRIVAL	PRICE	ARRIVAL	PRICE	ARRIVAL	PRICE	ARRIVAL	PRICE	ARRIVAL	PRICE	ARRIVAL	PRICE	ARRIVAL	PRICE	ARRIVAL	PRICE	ARRIVAL	PRICE	ARRIVAL		
AHMEDABAD	10167	839	10025	902	11082	679	11200	471	12457	901	13310	760	13700	391	10184	4816	7789	5236	6500	3992	7167	6342	8654	2492	10186	27821		
AMRITSAR	4123	80	5849	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2728	800	2926	1135	3397	430	3805	2502		
BANGALORE	8660	8520	10025	2600	11435	1520	14222	230	0	0	0	0	0	0	9370	8716	7519	17400	6807	9700	7159	11660	7600	8080	9177	68426		
BARAULI	7055	26	7188	21	7524	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7259	70	
BHOPAL	7160	192	7361	413	8817	237	10479	16	9725	91	10900	6	0	0	6736	242	6210	569	5920	651	6270	237	7760	337	7940	2981		
BHUBANESHWAR	7830	375	9583	247	10625	212	11639	67	11740	29	0	0	0	0	0	0	0	0	7356	405	7000	610	6570	562	9043	2507		
CHANDIGARH	5065	179	5405	155	5459	287	5792	53	0	0	0	0	0	0	0	0	4151	592	4815	949	5310	852	5639	657	5205	3724		
CHENNAI	9608	1043	10342	780	11926	793	12332	586	12360	739	13812	1296	14373	1377	13957	1390	10804	2170	11239	2072	10688	1617	11280	1144	11875	15007		
DEHRADUN	5769	209	9053	69	8763	68	9098	34	9000	1	0	0	0	0	0	0	0	0	0	0	0	4705	767	5095	202	7355	1350	
DELHI	4581	35421	4951	19217	5489	8217	7159	1845	9145	452	10150	31	8479	6543	7990	6948	4699	55338	5177	106433	5423	88175	5234	63329	6540	453489		
GANGTOK	0	0	0	0	9160	32	0	0	0	0	0	0	15667	27	14800	28	11971	47	11433	52	12984	57	14022	64	12862	306		
GUWAHATI	6204	499	7869	211	0	0	0	0	0	0	0	0	0	0	0	0	6933	358	6910	398	7025	546	7277	721	7036	2723		
HYDRABAD	10560	857	10000	888	10435	807	9500	682	11167	783	9775	793	10087	1310	6941	2417	5279	3526	6353	1436	7555	1343	7728	1317	8782	16159		
JAIPOUR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5952	3991	5394	2693	4961	3213	5432	9487		
JAMMU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3917	11423	4000	13610	4316	9810	4727	5282	4240	40725		
KOLKATA	6953	5280	7539	2637	8097	1086	9352	384	0	0	0	0	0	0	0	0	0	0	6691	7056	6194	9180	6105	10304	7276	35927		
LUCKNOW	7200	451	7376	332	7273	288	7307	179	7240	129	0	0	0	0	0	0	0	0	0	4136	1416	4990	1146	5051	1347	6322	5288	
MUMBAI	5638	0	6750	0	8031	0	0	0	0	0	0	0	0	0	0	0	5583	7343	4792	9450	5374	10821	5203	9645	5312	8276	5835	45535
NAGPUR	4946	352	5182	297	5890	294	9225	230	10760	242	10990	475	10712	388	7390	1830	6688	2080	5823	2350	5776	1280	4612	1110	7333	10918		
NASIK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9872	499	10308	156	10344	148	0	0	10175	803		
PATNA	6924	690	7073	340	8142	260	9042	140	0	0	0	0	10750	75	7367	1785	5435	3295	5520	2280	5028	2745	4557	1805	6984	13405		
PUNE	9659	906	10550	1096	13510	922	14974	566	18000	24	0	0	0	0	0	8940	325	8324	1943	9694	1141	9194	1472	8580	3495	11143	11980	
RAIPUR	9146	262	9722	207	9614	118	9870	24	0	0	0	0	0	0	0	0	0	0	0	0	7578	549	7688	529	8936	1689		
RANCHI	4082	498	4283	505	4608	488	6051	392	6882	76	0	0	0	0	0	0	4250	97	3853	536	2946	3625	2807	483	4418	6700		
SHIMLA	6413	51	3600	7	0	0	0	0	0	0	0	0	0	0	6370	93	6104	488	5275	535	7333	213	10692	12	8541	1389		
SRINAGAR	3400	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5150	7	3853	1685	3610	1045	4000	66	4003	2658		
SURAT	5322	100	5808	38	6895	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6008	165	
TRIVENDRUM	0	0	2800	35	2800	1	0	0	0	0	0	0	0	0	7500	20	7792	270	8580	180	6362	210	6528	310	6047	1026		



## Annual Wholesale Average Price Trend of Apple-2014



## Annual Total Arrival Trend of Apple-2014







## BANANA

Origin	- Asia
Major Producing States	- Tamil Nadu, Maharashtra, Karnataka, Gujarat, Andhra Pradesh, Bihar, Assam and Madhya Pradesh.
Latest Production	- 297.24 Lakh Tones
<b>Name of Variety</b>	<b>Recommended Areas</b>
Dwarf Cavendish	Maharashtra, Gujarat, Bihar, Jharkhand, West Bengal, Tamil Nadu, Karnataka, Andhra Pradesh, Odisha, Chhattisgarh, Madhya Pradesh, Assam, Nagaland, Meghalaya
Robusta	Tamil Nadu, Kerala, Karnataka, Andhra Pradesh, Maharashtra, Bihar, Jharkhand
Grand naine	All over India
Rasthali	Tamil Nadu, Andhra Pradesh, Karnataka, Bihar, West Bengal, Assam, Mizoram, Meghalaya
Poovan	Tamil Nadu, Andhra Pradesh, Kerala, Karnataka, Assam, Arunachal Pradesh, Meghalaya, Mizoram, Manipur, Nagaland, Sikkim, Tripura, Bihar, Jharkhand Odisha, Andaman & Nicobar Islands (Port Blair)
Nendran	Kerala, Tamil Nadu
Red Banana	Tamil Nadu, Karnataka, Kerala, Andhra Pradesh, Maharashtra, Gujarat, Madhya Pradesh, Chhattisgarh, Andaman & Nicobar Islands (Port Blair)
Monthan	Tamil Nadu, West Bengal, Bihar, Jharkhand, Odisha, Kerala
Ney Poovan	Karnataka, Tamil Nadu, Kerala
Karpurvalli	Tamil Nadu, Andhra Pradesh, Assam
Udhayam	Tamil Nadu, Kerala, Andhra Pradesh, Karnataka, Tripura
Pachanadan	Tamil Nadu
Virupakshi	Tamil Nadu, Karnataka, Andhra Pradesh, Kerala, Himachal Pradesh

### Major Banana Producing Belts in India

Andaman & nicobar island	: South Andaman, North & Middle Andaman, Nicobar
Andhra Pradesh	: West Godavari, Guntur, Kadapa, Anantapur, Kurnool, Medak, Nizamabad, Khammam
Arunachal Pradesh	: Lower Subansiri, Pasighat, Papum Pare
Assam	: Sonitpur, Lakhimpur, Golaghat, Nagaon, Morigaon, Kamrup, Cachar, Goalpara
Bihar	: Vaishali, Bhagalpur, Khagaria, Katihar, Purnia, Samastipur
Chhattisgarh	: Raipur, Gariaband, Baloda Bazar, Mahasamund, Dhamtari, Durg, Rajnandgaon, Balod, Bemetara, Kabirdham (Kawardha), Mungeli, Bilaspur, Janjgir- Champa, Raigarh, Surguja, Korba, Balrampur, Surajpur, Koriya, Jashpur, Bastar (Jagdalpur), Kondagaon, Narayanpur, Dantewada, Sukma, Bijapur, Kanker
Goa	: Pernem (North Goa), Quepem (South Goa)
Gujarat	: Anand (Borsad, Ankalav), Vadodara (Sankheda, Chani), Bharuch (Zagadia), Narmada (Rajpipla, Surat (Kamrej)
Himachal Pradesh	: Sirmour (Nahan)
Jharkhand	: Sahibganj
Kerala	: Thiruvananthapuram (Pallichal, Kottukal, Nedumangad, Kattakada, Chenkal), Kollam (Punalur, Anchal, Sasthamkotta), Kottayam (Kanjirapally, Iratupeta), Thrissur (Ollukkara, Kodakara, Irinjalakuda), Palakkad (Mannarcaud, Pattambi, Agali, Sreekrishnapuram), Malappuram (Kondotty, Vazhayur, Vazhakkad), Kozhikode (Kunnummel, Thodannur, Mukkam), Wayanad (Mananthavadi, Sulthanbathery), Kannur (Thaliparamba, Irikur, Peravoor), Kasargod (Kanhanged)



Karnataka	:	Hassan, Shimoga, Bengaluru, Chickmagalore, Dakshina Kannada, Tumkur
Madhya Pradesh	:	Balaghat, Kukshi, Dhar
Maharashtra	:	Jalgaon, Nanded, Parbhani. Throughout Maharashtra (Grand naine)
Manipur	:	Thoubal, Ukhrul, Tamenglong, Chandal, Churachandpur, Imphal East, Imphal West, Bishnupur
Meghalaya	:	Garo Hills, West Khasi Hills, Ri-bhoi, East Khasi Hill, Jaintia Hills
Mizoram	:	North and West Part of Mizoram, Chhimheipui, Serchip
Nagaland	:	Mokokchung, Wokha, Kohima, Zunheboto, Dimapur, Mon, Tuensang, Phek, Kiphire, Longleng, Peren
Odisha	:	Puri, Cuttack, Balasore, Bhadrak, Angul, Dhenkanal, Bolangir, Kalahabdi, Koraput, Rayagada, All Districts (Grand naine)
Punjab	:	Ludhiana, Patiala, Sangrur, Fatehgarh Sahib
Sikkim	:	North Sikkim (Phidang Samdon), East Sikkim (Khamdong, Pandam, Kamaray, L-Syari, Sirwani, Marchack, Nazitam, Amba Biring, Reshi Mulukay), South Sikkim (Samatar, Kamrang, Wok Pakzor, Mellidaa, Lingmo), West Sikkim (L/Rangit, Omchung, Kengsa, Chingthang, Barfok, Daramdin, Tharpu)
Tripura	:	South Tripura (Karbook, Bagafa, Satchand), West Tripura (Bishalgarh, Knowai, Sonamura, Hezamara), North Tripura (Panisagar, Dasda, Pecharthal), Dhalai (Manu, Ambassa)
Tamil Nadu	:	Coimbatore, Erode, Kanyakumari, Thoothukudi, Tiruchirappalli, Tirunelveli, Vellore, Karur, Krishnagiri, Salem, Nilgiris, Tiruvannamalai, Madurai
Uttar Pradesh	:	Bahraich, Shravasti, Gonda, Balrampur, Basti, Sidharthnagar, Gorakhpur, Maharajganj, Kushinagar, Deoria, Faizabad, Barabanki, Allahabad, Kaushambi, Pilibhit, Lakhimpur Kheri, Sitapur
Uttarakhand	:	Haridwar, Kotdwar
West Bengal	:	Jalpaiguri, Cooch Behar, Nadia, 24 Parganas (North & South), Hooghly, Bardhaman, Midnapore (West & East), Murshidabad, Uttar Dinajpore, Dakshin Dinajpore, Malda, Birbhum, Bankura
Advance Technology	-	Plating of tissue cultured plants
Pre-cooling	-	Forced air
Storage conditions	-	
Temperature	-	
Holding room	-	130-140 C
Ripening room	-	140-200 C
Relative Humidity	-	90-95%
Storage Period	-	Mature – green bananas can be stored for up to 3 weeks in ethylene free air or up to 6 weeks in a controlled atmosphere at 140 C
Freezing point	-	-0.50 C
Treatment for Quality	-	Ethylene application is best method to hasten ripening without loss in fruit quality or flavor A pre storage dip in E-9267 emulsifiable mineral oil at 0.4% was found effective in reducing fruit decay and also prolonged storage life. Dipping of fruits in 1.5% or 2.5 % talprolong solution delayed yellow color development by 4.8 days.
Sensibility to	-	Refrigeration, Freezing and Ethylene



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## HARVESTING SEASON OF BANANA

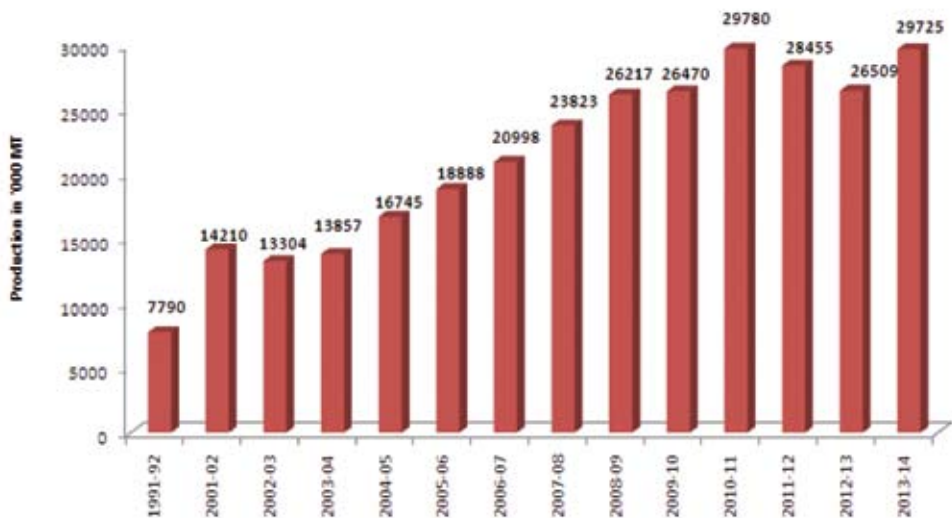
STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
MEGHALAYA												
MIZORAM												
NAGALAND												
ODISHA												
PUNJAB												
RAJASTHAN												
SIKKIM												
TAMIL NADU												
TRIPURA												
UTTAR PRADESH												
UTTARAKHAND												
WEST BENGAL												
ANDAMAN & NICOBAR												
CHANDIGARH												
DADAR & NAGAR HAVELI												
DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												
	ROUND THE YEAR				PEAK SEASON				LEAN SEASON			



## AREA, PRODUCTION AND PRODUCTIVITY OF BANANA

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	383.9	13.4	7790.0	27.2	20.3
2001-02	466.2	11.6	14209.9	33.0	30.5
2002-03	475.3	12.5	13304.4	29.4	28.0
2003-04	498.6	10.7	13856.6	30.4	27.8
2004-05	589.6	11.9	16744.5	34.0	28.4
2005-06	569.5	10.7	18887.8	34.1	33.2
2006-07	604.0	10.9	20998.0	35.3	34.8
2007-08	658.0	11.2	23823.0	36.3	36.2
2008-09	709.0	11.6	26217.0	38.3	37.0
2009-10	770.3	12.2	26469.5	37.0	34.4
2010-11	830.0	13.0	29780.0	39.8	35.9
2011-12	796.5	11.9	28455.1	37.2	35.7
2012-13	776.0	11.1	26509.1	32.6	34.2
2013-14	802.6	11.1	29724.6	33.4	37.0

## PRODUCTION TREND OF BANANA



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF BANANA

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

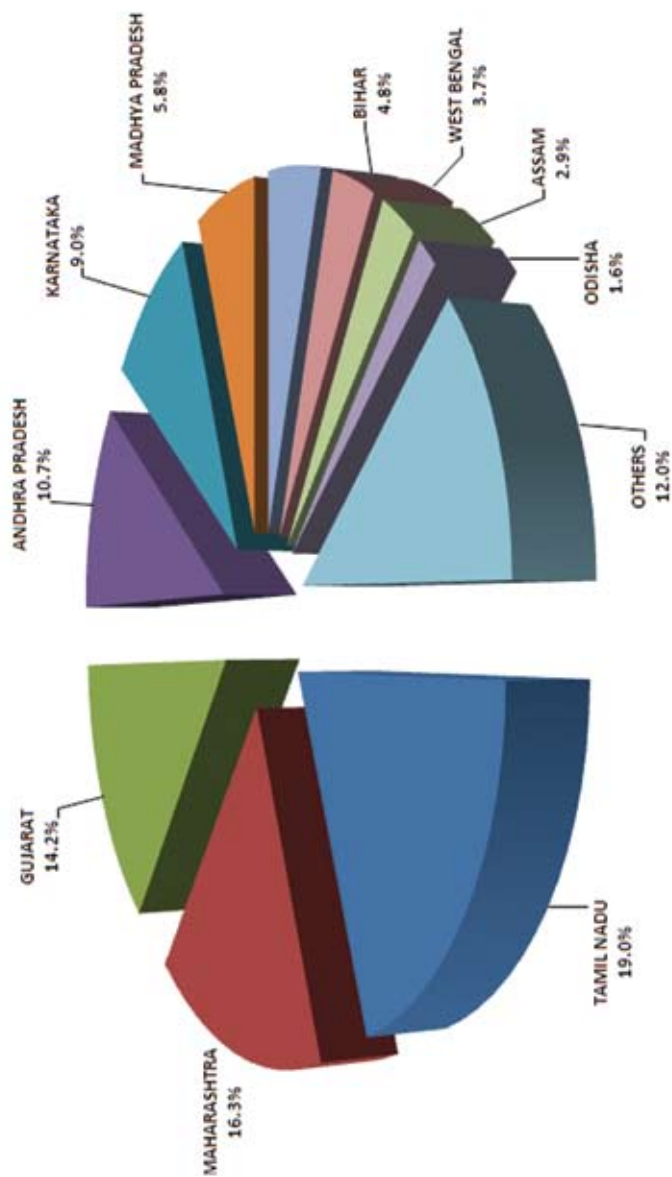
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
TAMIL NADU	130.4	6736.4	51.7	111.36	5136.20	46.1	118.04	5650.00	47.9
MAHARASHTRA	82.0	4315.0	52.6	82.00	3600.00	43.9	83.00	4830.60	58.2
GUJARAT	65.0	4047.8	62.3	70.58	4523.49	64.1	66.50	4225.49	63.5
ANDHRA PRADESH	82.8	2899.6	35.0	92.65	3242.80	35.0	90.48	3166.90	35.0
KARNATAKA	91.6	2351.5	25.7	97.40	2529.60	26.0	102.71	2675.63	26.1
MADHYA PRADESH	24.8	1379.2	55.6	25.76	1701.00	66.0	26.27	1735.00	66.0
BIHAR	32.1	1580.5	49.2	33.06	1702.41	51.5	34.31	1435.78	41.8
WEST BENGAL	43.7	1054.0	24.1	44.70	1077.80	24.1	45.50	1097.50	24.1
ASSAM	49.1	745.3	15.2	51.51	837.02	16.2	50.81	857.72	16.9
ODISHA	27.5	506.2	18.4	27.49	521.31	19.0	25.06	476.60	19.0
OTHERS	167.5	2839.5	17.0	139.49	1637.47	11.7	159.89	3573.33	22.3
TOTAL	796.5	28455.1	35.7	776.0	26509.1	34.2	802.6	29724.6	37.0

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING BANANA PRODUCING STATES (2013-2014)







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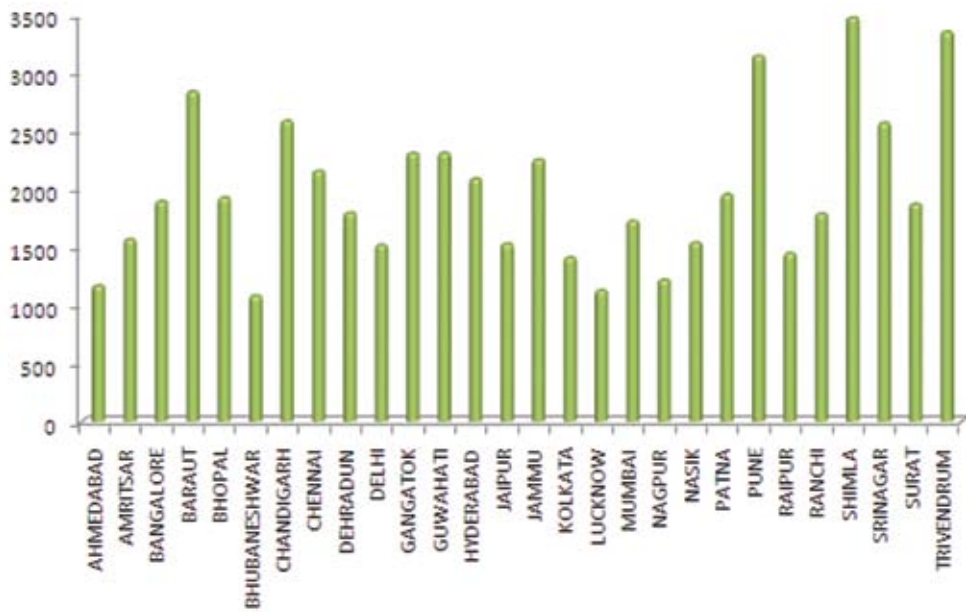
## MONTHLY AVERAGE WHOLESALSAE PRICE & TOTAL ARRIVAL OF BANANA DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./Qtl.  
Total Arrival in M.T.

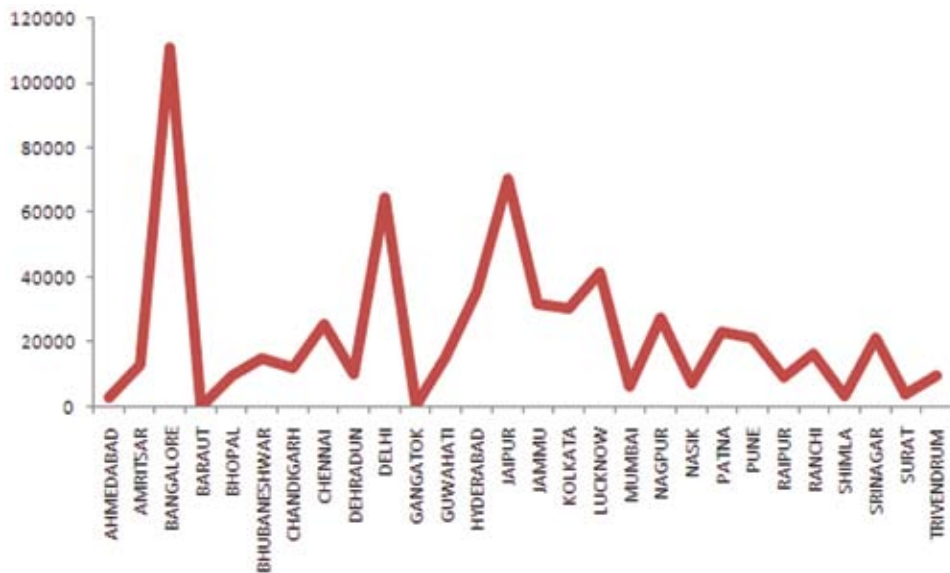
Center name	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual
	Price Arrival	Price Arrival	Price Arrival	Price Arrival	Price Arrival	Price Arrival	Price Arrival	Price Arrival	Price Arrival	Price Arrival	Price Arrival	Price Arrival	Price Arrival
AHMEDABAD	794 286	1369 169	1421 249	1339 192	1348 288	1193 400	1025 113	1058 526	1061 324	1079 106	1207 220	1113 101	1167 2854
AMRITSAR	1420 930	2015 605	1880 810	1735 880	1546 1450	1327 1730	1321 1440	1408 1865	1398 1240	1597 710	1643 950	1491 680	1565 13270
BANGALORE	1912 8280	1904 8018	1917 10431	1470 7533	1316 8982	1288 9522	2256 9939	2448 8957	2169 10557	2323 8280	1886 9324	1832 11137	1893 110860
BARAUT	2608 52	2921 26	2989 23	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2839 101
BHOPAL	1435 920	1310 724	1456 739	2033 611	2435 709	2260 748	2676 782	2341 848	1560 999	1904 764	1870 765	1808 953	1924 9562
BHUBANESHWAR	856 975	952 1245	1001 1300	1030 1040	1063 1370	1082 1320	1084 1070	1179 1145	1208 1460	1286 1355	1171 1280	1041 1385	1080 14945
CHANDIGARH	2211 821	2481 704	2828 976	3101 814	2781 997	2909 906	2545 1106	2432 1193	2634 1328	2596 982	2345 1272	2162 1046	2585 12143
CHENNAI	2180 2580	2225 2220	2164 2112	2177 1775	2188 2040	2172 2140	2162 2270	2048 2100	2019 2497	2083 1935	2148 1925	2272 2045	2153 25639
DEHRADUN	1800 502	2630 316	2852 502	2723 638	1875 1055	1699 1056	1564 1201	1282 1310	1160 1526	1226 963	1279 697	1467 481	1796 10247
DELHI	1694 2366	1987 2510	1924 5288	1665 4368	1334 7098	1219 8915	1354 8307	1268 8260	1370 7912	1542 5681	1519 2574	1358 1607	1520 64886
GANGATOK	1619 37	1688 45	1104 38	1882 32	1527 39	1912 49	2158 50	2671 45	2623 43	3238 53	3428 50	3848 54	2308 534
GUWAHATI	2067 1094	2700 1357	2481 1467	2316 1145	2389 1420	2623 1489	2158 1464	2335 1239	2004 1287	2612 878	1915 1343	2125 1447	2310 15630
HYDERABAD	2004 1362	1970 1545	2022 1652	2130 1859	1492 3324	1743 2724	2309 3299	2048 3919	2227 5182	2344 3324	2485 3501	2300 4320	2088 35821
JAIPUR	1463 2536	1543 3148	1594 4620	1616 4887	1553 5958	1363 5530	1393 6505	1583 6648	1528 7744	1616 6455	1528 6726	1556 9899	1528 70656
JAMMU	2085 3018	2254 2677	2576 2761	2470 2562	2067 3232	1944 3177	2077 3157	2176 2440	2320 2841	2355 1910	2253 1740	2473 2396	2253 31911
KOLKATA	1138 1950	1395 1494	1463 1718	1606 1792	1844 1964	1595 2555	1364 3936	1361 3360	1135 3340	1373 2382	1275 2750	1379 3060	1410 30311
LUCKNOW	973 1695	1088 1819	1236 2806	1057 14895	1179 6259	1258 2302	1263 1741	985 2625	1096 3145	1120 1916	1144 1211	1103 1358	1126 41572
MUMBAI	1229 650	1205 384	1325 356	1920 291	1857 257	1733 252	1810 359	1996 431	2014 646	1882 341	1840 1841	1894 512	1725 6320
NAGPUR	1166 1086	1407 643	1211 1210	1215 830	997 1970	908 1380	1227 580	1334 4180	1058 6560	1323 5580	1367 1770	1382 1890	1217 27679
NASIK	1506 600	1643 492	1730 265	1780 215	1661 157	1724 128	1197 772	1266 960	1371 1051	1552 875	1548 812	1475 950	1538 7277
PATNA	1477 746	2342 971	1828 1282	1933 1697	2163 1598	2272 973	2499 936	1964 2172	1539 4363	1796 3703	1874 3162	1727 1134	1951 23197
PUNE	2700 1082	2680 1122	3114 756	2879 634	2791 10060	2776 857	3585 942	3742 863	3489 1450	3681 971	3442 1167	2841 1499	3143 21423
RAIPUR	1436 843	1572 647	1736 567	1622 624	1240 816	1358 626	1349 921	1350 805	1340 987	1533 779	1461 692	1366 987	1447 9294
RANCHI	1402 2985	1398 3235	1625 1853	1758 672	1856 989	2074 613	2352 651	2279 790	1793 1253	1845 969	1600 1368	1663 1211	1787 16389
SHIMLA	3380 232	3357 140	3952 171	3874 231	3636 258	3521 302	3500 238	3560 360	3415 354	3279 380	2941 411	3286 319	3475 3396
SRINAGAR	2294 1135	2330 1500	2504 1390	2636 1840	2542 2395	2439 2545	2584 2145	2374 4410	2910 280	3000 1160	2608 1345	2590 1230	2568 21375
SURAT	1848 1250	1829 1175	1830 1290	1975 218	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1871 3933
TRIVENDRUM	3096 877	2746 820	2564 910	2790 750	2955 765	3130 963	3725 830	3800 787	4390 778	4153 733	3438 817	3437 765	3352 9795



## Annual Wholesale Average Price Trend of Banana-2014



## Annual Total Arrival Trend of Banana-2014





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## CITRUS

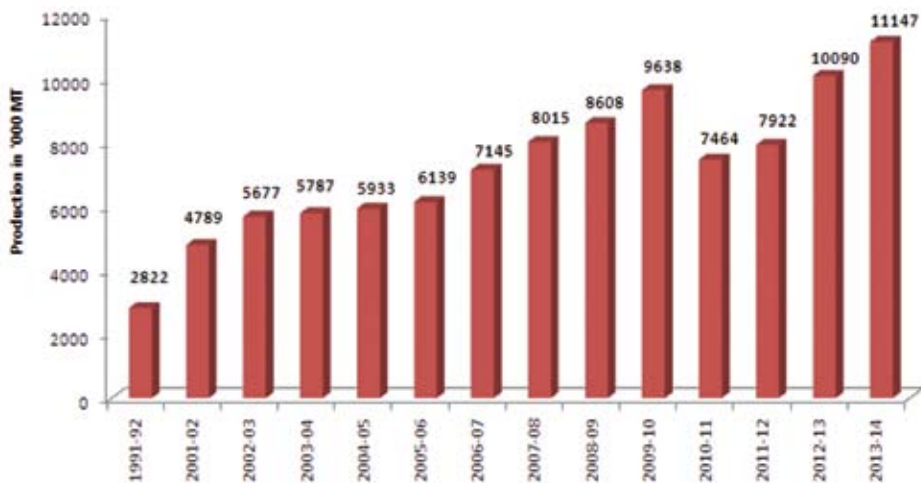
Latest Production	- 111.47 Lakh Tones
Main fruits of this Groups	- Lime/Lemon, Mosambi, Orange (Mandarin)
Advanced Technology	- Tissue Culture and Micro – propagation
Pre-cooling	- Forced air
Transporant and Storage Life	- 8-10 weeks
Transport for Quality	- Waxing
Sensibility to	- Refrigeration , Ethylene and Odours



## AREA, PRODUCTION AND PRODUCTIVITY OF CITRUS

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	386.9	13.5	2821.7	9.9	7.3
2001-02	618.5	15.4	4789.1	11.1	7.7
2002-03	562.6	14.9	5677.2	12.6	10.1
2003-04	683.3	14.6	5786.9	12.7	8.5
2004-05	708.2	14.3	5932.9	12.0	8.4
2005-06	742.3	13.9	6139.0	11.1	8.3
2006-07	798.0	14.4	7145.0	12.0	9.0
2007-08	867.0	14.8	8015.0	12.2	9.2
2008-09	923.0	15.1	8608.0	12.6	9.3
2009-10	987.3	15.6	9638.0	13.5	9.8
2010-11	846.0	13.3	7464.0	10.0	8.8
2011-12	915.1	13.6	7922.1	10.4	8.7
2012-13	1042.5	14.9	10089.7	12.4	9.7
2013-14	1077.7	14.9	11147.1	12.5	10.3

## PRODUCTION TREND OF CITRUS



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF CITRUS

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

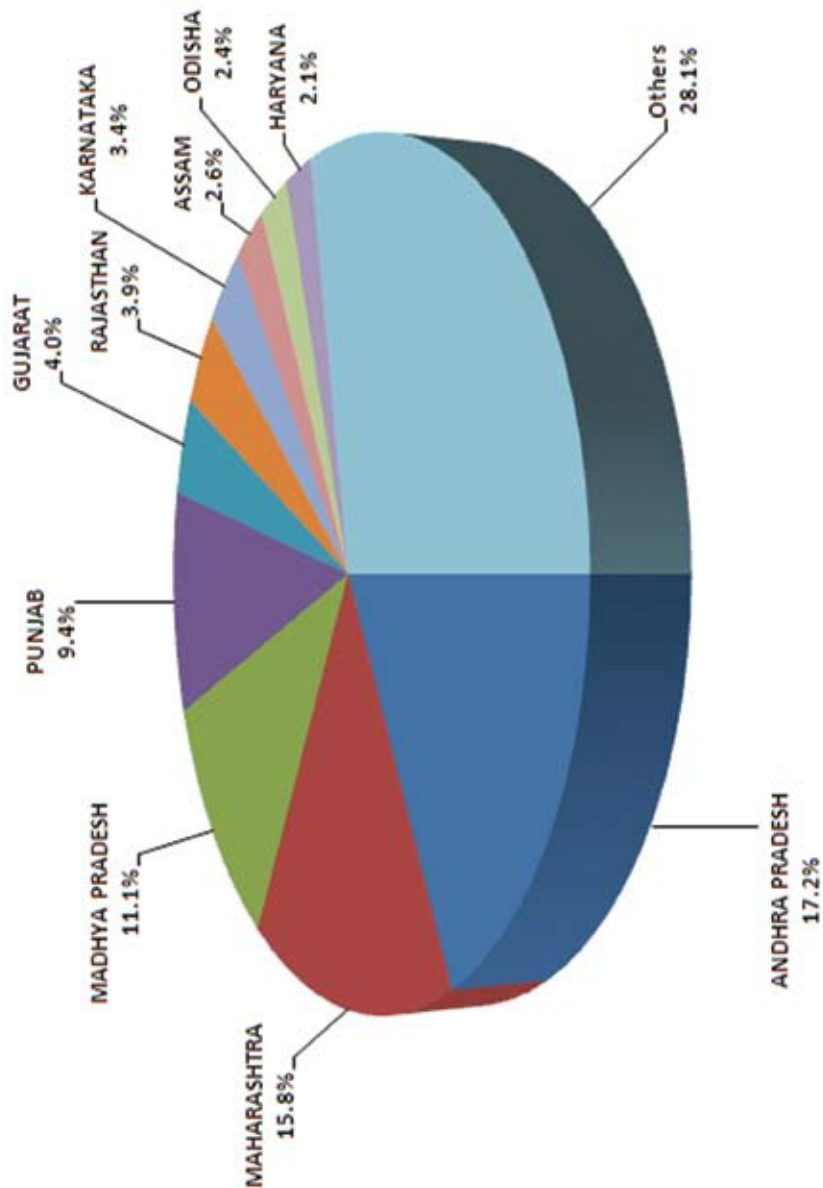
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
ANDHRA PRADESH	134.5	1886.9	14.0	253.4	3800.6	15.0	137.4	1913.4	13.9
MAHARASHTRA	285.0	1268.0	4.4	277.0	861.0	3.1	275.0	1761.0	6.4
MADHYA PRADESH	55.2	795.0	14.4	68.7	1188.0	17.3	71.8	1240.8	17.3
PUNJAB	46.3	942.8	20.4	49.2	1015.6	20.6	50.4	1044.2	20.7
GUJARAT	40.2	425.1	10.6	40.8	433.1	10.6	41.1	449.2	10.9
RAJASTHAN	20.8	330.5	15.9	24.7	455.6	18.4	24.1	433.2	18.0
KARNATAKA	18.3	400.6	21.9	18.1	399.0	22.0	17.3	379.3	21.9
ASSAM	28.5	280.9	9.9	30.2	323.4	10.7	28.8	294.1	10.2
ODISHA	27.8	269.0	9.7	27.8	270.7	9.7	27.5	268.0	9.7
HARYANA	17.7	214.2	12.1	18.8	225.1	12.0	19.4	235.4	12.1
OTHERS	240.8	1109.0	4.6	233.8	1117.7	4.8	384.9	3128.6	8.1
<b>TOTAL</b>	<b>915.1</b>	<b>7922.0</b>	<b>8.7</b>	<b>1042.5</b>	<b>10089.7</b>	<b>9.7</b>	<b>1077.7</b>	<b>11147.1</b>	<b>10.3</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING CITRUS PRODUCING STATES (2013-2014)







## LIME/LEMON

Origin	- Asia
Major Producing States	- Andhra Pradesh, Gujarat, Bihar, Karnataka, Maharashtra, Assam & Chhatisgarh.
Latest Production	- 28.35 Lakh Tones

### Lime

#### Name of Variety

#### Recommended Areas

Kagzi lime	All over India
Pramalini	Andhra Pradesh, Maharashtra, Gujarat, Bihar, Jharkhand, Karnataka, Tamil Nadu, Madhya Pradesh, Chattishgarh
Vikram	Andhra Pradesh, Maharashtra, Gujarat, Bihar, Jharkhand, Karnataka, Tamil Nadu, Uttar Pradesh, Madhya Pradesh, Chattishgarh, Uttarakhand
Jai Devi	Andhra Pradesh, Maharashtra, Gujarat, Bihar, Jharkhand, Karnataka, Tamil Nadu, Uttar Pradesh
Sai Sharbati	Andhra Pradesh, Maharashtra, Gujarat, Bihar, Jharkhand, Karnataka, Tamil Nadu, Uttar Pradesh, Uttarakhand
Phule Sharbati	Andhra Pradesh, Maharashtra, Gujarat, Bihar, Jharkhand, Karnataka, Tamil Nadu
Balaji (Tenali Selection)	Andhra Pradesh, Madhya Pradesh, Chattishgarh
Rasraj (IIHR Hybrid)	Karnataka
Seedless lime	Andhra Pradesh, Maharashtra, Gujarat, Bihar, Jharkhand, Karnataka, Tamil Nadu

### Lemon

#### Name of Variety

#### Recommended Areas

Eureka	All over India
Kagzi Kalan	Uttar Pradesh, Bihar, Rajasthan, Punjab, Madhya Pradesh, Jharkhand, Uttarakhand, Himachal Pradesh, Chhattisgarh, Delhi
Assam lemon (Nepali Oblong)	All over India
Pant Lemon-I	Uttar Pradesh, Uttarakhand

### Major Lime Producing Belts in India

Andhra Pradesh	: Guntur, Nellore, Kadapa, Khammam, Nalgonda
Bihar	: Rohtas, Kaimur, Aurangabad, Gaya, Nawada, Seikhpura
Chhattishgarh	: Raipur, Gariaband, Baloda Bazar, Mahasamund, Dhamtari, Durg, Rajnandgaon, Balod, Bemetara, Kabirdham (Kawardha), Mungeli, Bilaspur, Janjgir- Champa, Raigarh, Surguja, Korba, Balrampur, Surajpur, Koriya, Jashpur, Bastar (Jagdalpur), Kondagaon, Narayanpur, Dantewada, Sukma, Bijapur, Kanker
Gujarat	: Mehsana, Kheda, Anand, Vadodara, Surendranagar
Himachal Pradesh	: Sirmour (Dhaulta Kuan, Ponta), Kangra (Nur Pur, Indora), Solan (Kuniyar), Una (Una, Amb), Hamirpur (Nadaun, Bhoranj)
Jammu & Kashmir	: Baramulla, Kupwara, Jammu, Samba, Kathua, Udhampur, Reasi, Doda, Kishtwar, Ramban, Rajouri, Poonch



<b>Jharkhand</b>	: Palamu, East & West Singhbhum, Chatra
<b>Karnataka</b>	: Bijapur, Gulbarga, Raichur
<b>Maharashtra</b>	: Akola, Ahmednagar, West Solapur
<b>Madhya Pradesh</b>	: Balaghat, Rewa, Panna, Seoni, Umaria, Katni, Jabalpur, Narsinghpur, Hoshangabad, Harda, Bhopal, Sehore, Raisen, Vidisha, Sagar, Damoh, Sheopur, Gwalior, Chhatarpur, Datia, Tikamgarh, Betul, Chhindwara, Shivpuri, Guna, Ratlam, Ujjain, Jhabua, Dhar, Indore, Dewas, Khargone
<b>Manipur</b>	: Kangpokpi, Ukhrul, Chandel, Churachandpur
<b>Meghalaya</b>	: Dawki, Nongiri, Mawlong, Umsning, Burnihat, Umling, Sesatgiri, Chandigiri, Jowai, Cherrapunjee
<b>Mizoram</b>	: Kolasib, Tawitaw, Aizawl, Thingdawal
<b>Nagaland</b>	: Kohima, Wokha, Mokokchung, Dimapur, Peren
<b>Odisha</b>	: Mayurbhanj, Keonjhar (kendujhar), Koraput, Ganjam, Gajapati, Dhenkanal
<b>Punjab</b>	: Ferozepur, Hoshiarpur, Sri Muktsar Sahib, Bathinda
<b>Rajasthan</b>	: Jaipur, Baran, Sirohi, Ajmer, Alwar, Pali, Jodhpur, Banswara, Karauli, Sawai Madhopur, Bhilwara, Dungarpur, Bundi, Barmer, Udaipur, Jhunjhunu, Tonk, Chittorgarh, Jhalawar, Kota, Nagaur, Sriganganagar
<b>Sikkim</b>	: South Tripura (Amarpur, Matabari, Bagafa), West Tripura (Jirania, Teliamura, Khowai, Bishagar), Dhalai (Melaghar), North Tripura (Kamalpur, Ambassa, Kanchanpur, Panisagar, Kadamtala)
<b>Tamil Nadu</b>	: Dindigul, Perambalur, Theni, Thoothukudi, Tiruchirapalli, Tirunelveli, Virudhunagar
<b>Tripura</b>	: South and West Tripura, Dhalai
<b>Uttar Pradesh</b>	: Jhansi, Hamirpur, Lalitpur, Jalaun, Mahoba, Chitrakoot, Banda, Agra
<b>Uttarakhand</b>	: Dehradun, Pithoragarh, Bageshwar, Almora, Nainital, Pauri, Kotdwar, Chamoli, Tehri, Udham Singh Nagar
<b>West Bengal</b>	: 24 Parganas (North and South), Jalpaiguri, West and East Midnapore, Cooch Behar

#### Major Lemon Producing Belts in India

<b>Assam</b>	: Karbi Anglong, Golaghat, Cachar, Dibrugarh, Kamrup, Lakhimpur, Dima Hasao
<b>Arunachal Pradesh</b>	: Basar, Along, Yazali, Bagara, Ziro, East Siang, East Kameng, Papum Pare, Kurung Kumey, Upper Subansiri, West Siang, Upper Siang, Lower Dibang Valley, Lohit, Anjaw, Changlang, Tirap
<b>Bihar</b>	: Rohtas, Kaimur, Aurangabad, Gaya, Nawada, Sheikhpura
<b>Chhattishgarh</b>	: Raipur, Gariaband, Baloda Bazar, Mahasamund, Dhamtari, Durg, Rajnandgaon, Balod, Bemetara, Kabirdham (Kawardha), Mungeli, Bilaspur, Janjgir- Champa, Raigarh, Surguja, Korba, Balrampur, Surajpur, Koriya, Jashpur, Bastar (Jagdalpur), Kondagaon, Narayanpur, Dantewada, Sukma, Bijapur, Kanker
<b>Delhi</b>	: Alipur, Bawana, Jhangola, Bhatawarpur, Akbarpur
<b>Gujarat</b>	: Mehsana, Kheda, Anand, Vadodara, Surendranagar
<b>Himachal Pradesh</b>	: Sirmour (Dhaulta Kuan, Ponta), Kangra (Nur Pur, Indora), Solan (Kunihar), Una (Una, Amb), Hamirpur (Nadaun, Bhora)
<b>Jammu &amp; Kashmir</b>	: Baramulla, Kupwara, Jammu, Samba, Kathua, Udhampur, Reasi, Doda, Kishtwar, Ramban, Rajouri, Poonch



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<b>Jharkhand</b>	:	Palamu, East & West Singhbhum, Chatra
<b>Madhya Pradesh</b>	:	Balaghat, Rewa, Panna, Seoni, Umaria, Katni, Jabalpur, Narsinghpur, Hoshangabad, Harda, Bhopal, Sehore, Raisen, Guna, Vidisha, Sagar, Damoh, Sheopur, Gwalior, Shivpuri, Chhatarpur, Datia, Tikamgarh, Betul, Chhindwara, Ratlam, Ujjain, Dhar, Indore, Dewas, Khargone, Jhabua
<b>Mizoram</b>	:	Kolasib, Tawitaw, Aizawl, Thingdawal
<b>Meghalaya</b>	:	Dawki, Nongiri, Mawlong, Umsning, Burnihat, Umling, Sesatgiri, Chandigiri, Jowai, Cherrapunjee
<b>Nagaland</b>	:	Kohima, Wokha, Mokokchung, Dimapur, Peren
<b>Punjab</b>	:	Ferozepur, Hoshiarpur, Sri Muktsar Sahib, Bathinda
<b>Rajasthan</b>	:	Jaipur, Baran, Sirohi, Ajmer, Alwar, Pali, Jodhpur, Banswara, Karauli, Sawai Madhopur, Bhilwara, Dungarpur, Bundi, Barmer, Udaipur, Jhunjhunu, Tonk, Chittorgarh, Jhalawar, Kota, Nagaur, Sriganganagar
<b>Sikkim</b>	:	South Tripura (Amarpur, Matabari, Bagafa), West Tripura (Jirania, Teliamura, Khowai, Bishagar), Dhalai (Melaghar), North Tripura (Kamulpur, Ambassa, Kanchanpur, Panisagar, Kadamtala)
<b>Tamil Nadu</b>	:	Dindigul, Perambalur, Theni, Thoothukudi, Tiruchirappalli, Tirunelveli, Virudhunagar
<b>Tripura</b>	:	North District of Tripura
<b>Uttar Pradesh</b>	:	Jhansi, Hamirpur, Jalaun, Lalitpur, Mahoba, Chitrakoot, Banda, Agra
<b>Uttarakhand</b>	:	Dehradun, Pithoragarh, Bageshwar, Almora, Nainital, Pauri, Kotdwar, Chamoli, Tehri, Udham Singh Nagar
<b>Sweet Lime</b>	-	Mithachikna and Mithotra
<b>Lemon Varieties</b>	-	Eureka, Lisbon, Villafranca, Lucknow, Seedless, Kagzi Kalan Nepali Oblong (Assam Lemon), Nepali Round and Pant Lemon 1.
<b>Pre-cooling</b>	-	Forced air
<b>Storage Conditions</b>	-	
<b>Temperature</b>	:	9-100 C
<b>Relative Humidity</b>	:	85-90 %
<b>Storage Period</b>	:	6-8 weeks
<b>Freezing point</b>	:	-3 to -10 C
<b>Sensibility to</b>	-	Refrigeration, Freezing, Ethylene and Odours
<b>Post-harvest Losses</b>	-	20-95 %





## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF LIME/LEMON

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
2000-01	164.2	4.2	1377.2	3.2	8.4
2001-02	161.3	4.0	1413.7	3.3	8.8
2002-03	146.2	3.9	1439.6	3.2	9.8
2003-04	167.8	3.6	1493.3	3.3	8.9
2004-05	78.9	1.7	1033.1	2.3	13.1
2005-06	268.7	5.0	2159.0	3.9	8.0
2006-07	294.9	5.3	2310.2	3.9	7.8
2007-08	302.8	5.2	2501.7	3.8	8.3
2008-09	316.1	5.2	2571.5	3.8	8.1
2009-10	295.6	4.7	2629.2	3.7	8.9
2010-11	219.0	3.4	2108.0	2.8	9.6
2011-12	234.0	3.5	2272.1	3.0	9.7
2012-13	255.2	3.7	2523.5	3.1	9.9
2013-14	286.4	4.0	2835.0	3.2	9.9

## PRODUCTION TREND OF LIME/LEMON



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

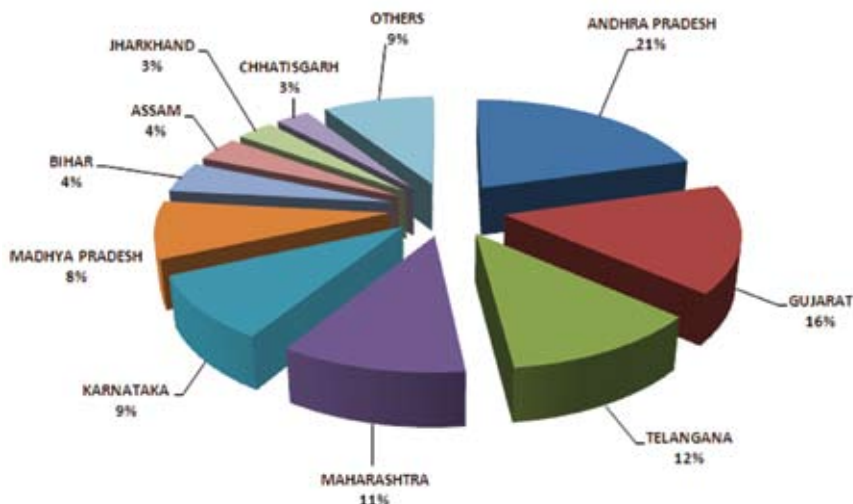


## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF LIME/LEMON

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
ANDHRA PRADESH	47.8	717.5	15.0	49.30	739.53	15.0	38.9	582.7	15.0
GUJARAT	40.2	425.1	10.6	40.80	433.12	10.6	41.1	449.2	10.9
TELANGANA	0.0	0.0	0.0	0.00	0.00	0.0	22.1	331.9	15.0
MAHARASHTRA	45.0	290.0	6.4	45.00	246.00	5.5	45.0	306.0	6.8
KARNATAKA	11.5	268.4	23.3	11.80	275.20	23.3	11.5	268.2	23.4
MADHYA PRADESH	9.6	130.2	13.6	10.68	235.00	22.0	10.8	237.4	22.0
BIHAR	18.0	133.9	7.4	18.04	136.42	7.6	18.0	128.9	7.2
ASSAM	13.4	105.2	7.8	14.21	125.89	8.9	13.0	103.5	8.0
JHARKHAND	0.0	0.0	0.0	8.79	87.67	10.0	8.8	87.7	9.9
CHHATISGARH	11.2	73.7	6.6	11.88	79.50	6.7	11.5	78.8	6.9
OTHERS	37.2	128.1	3.4	44.70	165.18	3.7	65.9	260.7	4.0
<b>TOTAL</b>	<b>234.0</b>	<b>2272.1</b>	<b>9.7</b>	<b>255.2</b>	<b>2523.5</b>	<b>9.9</b>	<b>286.4</b>	<b>2835.0</b>	<b>9.9</b>

### LEADING LIME/LEMON PRODUCING STATES (2013-2014)



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



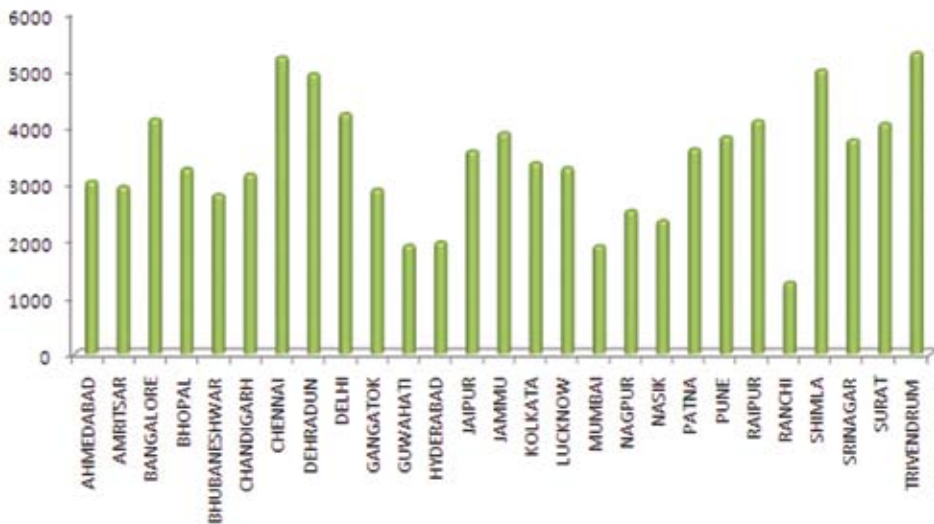
## MONTHLY AVERAGE WHOLESAL PRICE & TOTAL ARRIVAL OF LEMON DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./Qn.  
Total Arrival in M.T.

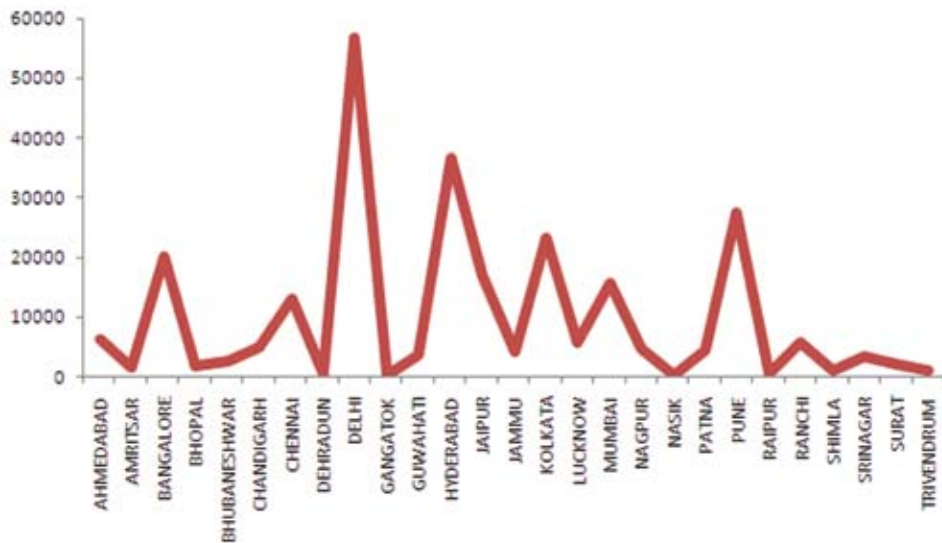
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual	
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival		
AHMEDABAD	2271	373	3279	765	3308	888	6357	300	4409	847	2120	827	1958	223	1447	558	2618	485	4636	253	2123	544	1787	347	3026	6410
AMRITSAR	1733	102	1931	76	2838	79	4247	53	3556	99	2496	229	2435	227	2100	322	3754	154	4039	47	3400	92	2713	79	2937	1559
BANGALORE	2156	1632	3019	1432	4057	1384	6091	929	5975	1441	3470	2448	3029	1754	3239	1616	4542	2272	6500	1504	4633	1504	2734	2280	4120	20176
BHOPAL	2694	172	2746	158	3388	138	3780	133	3954	142	3342	137	3156	162	2586	129	2738	212	3513	252	3717	154	3420	175	3253	1964
BHUBANESHWAR	1550	280	2144	229	3548	211	5357	186	4521	252	2438	253	2356	237	2415	191	2946	193	2757	220	1716	234	1798	222	2796	2688
CHANDIGARH	2369	242	2681	387	2991	385	4078	360	5011	317	3786	478	2702	666	2603	647	2893	534	3095	411	3045	299	2569	223	3152	4949
CHENNAI	3076	966	4083	845	4928	828	9416	529	7112	693	3676	1096	2946	1427	4217	1081	6508	1001	7309	826	5275	863	4040	2891	5216	13046
DEHRADUN	3967	27	4393	28	4422	72	5884	52	7656	63	7124	21	3924	37	4150	47	4702	36	4633	25	4280	28	3926	21	4919	457
DELHI	2980	2822	4420	2710	4994	4073	6369	3928	4414	7631	4055	10403	2984	8640	2776	6118	4738	3460	6958	2342	2888	2531	2996	2201	4214	56859
GANGATOK	2646	33	2296	31	2808	30	3071	24	2000	30	2136	28	3729	25	3367	35	2804	46	3369	47	3064	50	3344	53	2886	431
GUWAHATI	3035	197	2317	310	1554	268	1845	249	2085	382	1246	574	1440	320	1363	219	1604	193	1750	466	2150	279	2429	271	1902	3728
HYDERABAD	1044	1991	1039	1626	1113	1429	3015	5441	3508	7888	2129	5797	1277	5376	1564	2127	2046	1465	2474	968	2189	1069	2111	1423	1959	36610
JAIPUR	2489	565	2841	686	2833	1152	6443	913	4516	1876	2946	2597	2393	3837	2645	2089	3621	847	6090	517	2933	673	2988	1266	3562	17028
JAMMU	3115	165	3927	125	4592	186	6491	203	4237	711	3336	840	3096	518	3572	273	3800	434	4347	348	3368	245	2891	214	3881	4262
KOLKATA	2279	2040	3834	1480	3938	1840	5946	1280	3321	2400	2465	2172	2243	2540	2971	1880	4575	1860	3976	1780	2447	2140	2214	1920	3351	23332
LUCKNOW	2670	100	2813	158	3450	1079	4711	868	5565	674	3350	777	2644	564	2151	358	2045	441	4352	168	3503	167	1941	347	3266	5701
MUMBAI	1300	1024	1520	1081	1458	1137	2455	1332	2017	1458	1393	1274	950	1826	1314	1338	2082	1363	2811	1520	2878	1266	2538	1228	1893	15847
NAGPUR	1835	385	2556	441	2970	274	4689	236	3905	332	1867	630	1393	470	1457	550	2370	440	3278	400	2013	300	1845	280	2513	4738
NASIK	1373	27	1894	26	2442	25	4180	22	5488	26	1977	25	1133	27	1129	24	1389	25	2103	20	2746	31	2166	25	2335	303
PATNA	3404	130	4214	155	4815	348	6200	331	3617	588	2699	446	2532	558	2858	537	5057	317	3570	281	2065	431	2146	390	3598	4512
PUNE	2262	1544	4313	1319	3426	827	7022	443	5337	927	4260	984	2296	2183	1695	4260	3866	5750	4847	2450	3987	2452	2359	4410	3806	27549
RAIPUR	2306	104	2554	59	2759	45	4250	20	5559	25	5093	40	4592	59	4570	58	4327	53	4410	45	4389	50	4336	98	4094	656
RANCHI	948	506	1015	572	1265	455	1492	313	1421	474	1391	408	1266	505	1221	503	1273	536	1329	447	1237	572	1139	523	1251	5814
SHIMLA	3255	124	3410	85	3780	101	4309	63	6580	56	6254	55	5554	60	5648	94	6246	108	6281	87	4989	128	3498	183	4982	1144
SRINAGAR	3348	23	3218	22	3708	24	3720	10	3823	29	4009	24	3621	24	3481	3322	3125	4	5605	27	4120	0	3317	33	3758	3562
SURAT	2449	840	3392	497	3938	722	6400	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4045	2144
TRIVENDRUM	3129	88	3729	111	3986	92	6995	74	7842	73	5132	97	4008	94	4732	80	7795	68	7858	66	4633	68	3611	85	5288	996



## Annual Wholesale Average Price Trend of Lemon-2014



## Annual Total Arrival Trend of Lemon-2014





## MOSAMBI

Origin	- Asia
Major Producing States	- Andhra Pradesh, Karnataka, Maharashtra, Punjab
Latest Production-	- 38.86 Lakh Tonnes

### Name of Variety

### Recommended Areas

Mosambi	Maharashtra, Uttar Pradesh, Odisha, Punjab, Rajasthan, Madhya Pradesh, Kerala, Himachal Pradesh, Nagaland, Arunachal Pradesh, Assam, Meghalaya, Manipur, Tripura, Sikkim, Mizoram, Jammu & Kashmir, Haryana, Karnataka, Chhattisgarh
Satgudi	Andhra Pradesh, Odisha, Tamil Nadu, Rajasthan, West Bengal
Blood Red Malta	Uttarakhand, Uttar Pradesh, Odisha, Punjab, Rajasthan, Madhya Pradesh, Maharashtra, Tamil Nadu, Chhattisgarh, Jharkhand
Valencia	Andhra Pradesh, Odisha, Punjab, Madhya Pradesh, Maharashtra, Mizoram, Assam, Arunachal Pradesh, Tripura, Sikkim, Nagaland, Manipur, Meghalaya, Mizoram, Karnataka, Chhattisgarh, Uttarakhand

### Major Mosambi Producing Belts in India

Assam	: Kamrup, Goalpara, Tinsukia, Karbi Anglong, Dima Hasao
Andhra Pradesh	: Guntur, Prakasam, Nellore, Kadapa, Anantapur, Kurnool, Mahabubnagar, Rangareddy, Nizamabad, Karimnagar, Nalgonda
Arunachal Pradesh	: West Siang, East Siang, Lowe Dibang Valley, Upper Subansiri
Chhattisgarh	: Baloda Bazar, Gariaband, Raipur, Durg, Balod, Bemetara, Rajnandgaon, Bilaspur, Korba, Narayanpur, Bastar (Jagdalpur), Kondagaon, Janjgir-Champa
Haryana	: Hisar, Sirsa, Fatehabad, Bhiwani
Himachal Pradesh	: Chamba (Banikhet), Kangra (Banikhet, Indora, Dehra), Sirmour (Dhaura Kuan)
Jammu & Kashmir	: Baramulla, Kupwara, Jammu, Samba, Kathua, Udhampur, Reasi, Doda, Kishtwar, Ramban, Rajouri, Poonch
Jharkhand	: Palamu, East & West Singhbhum, Chatra
Karnataka	: Bengaluru (Rural), Bijapur, Shimoga
Kerala	: Idukki
Madhya Pradesh	: Sheopur, Gwalior, Shivpuri, Chhatarpur, Datia, Tikamgarh, Panna, Betul, Chhindwara, Guna, Ratlam, Ujjain, Dhar, Indore, Dewas, Khargone, Jhabua
Maharashtra	: Jalna, Aurangabad, Parbhani, Nanded, Beed
Manipur	: Tamenglong, Ukhrul, Churachandpur
Meghalaya	: Ri-bhoi, Garo Hills, Khasi Hills
Mizoram	: Kolasib, Tawitaw, Aizawl, Thingdawal
Nagaland	: Mukokchung, Kiphire, Kohima, Wokha, Tuensang, Peren, Mon, Zunheboto
Odisha	: Gajapati, Rayagada
Punjab	: Fazilka (Abohar), Ferozepur, Faridkot, Hoshiarpur



<b>Rajasthan</b>	:	Alwar, Baran, Jhalawar, Sriganganagar, Udaipur
<b>Sikkim</b>	:	North, East, South & West Districts
<b>Tamil Nadu</b>	:	Dindigul, Namakkal, Salem, Perambalur, Theni, Thoothukudi, Tirupur, Tiruchirappalli, Tirunelveli, Virudhunagar
<b>Tripura</b>	:	North & South Tripura (Kanchanpur, Killa, Amarpur), West Tripura & Dhalai (Tulashikhar, Longthorai Valley)
<b>Uttar Pradesh</b>	:	Jhansi, Lalitpur, Jalaun, Hamirpur, Mahoba, Agra, Saharanpur, Mirzapur, Sonbhandra
<b>Uttarakhand</b>	:	Chamoli, Rudra Prayag, Pauri, Tehri, Champawat, Pithoragarh
<b>West Bengal</b>	:	Darjeeling, 24 Parganas (North), Midnapore (West & East), Jalpaiguri

Pre-cooling - Forced air

#### Storage Conditions

Temperature	-	3-40C
Relative Humidity	-	85-95%
Storage Period	-	2-4 weeks
Sensibility to	-	Odours



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## HARVESTING SEASON OF MOSAMBI

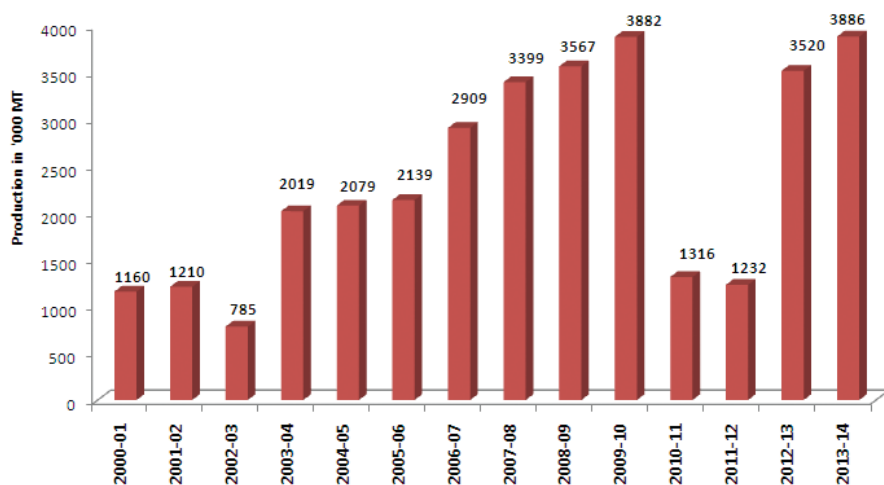
STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
MEGHALAYA												
MIZORAM												
NAGALAND												
ODISHA												
PUNJAB												
RAJASTHAN												
SIKKIM												
TAMIL NADU												
TRIPURA												
UTTAR PRADESH												
UTTARAKHAND												
WEST BENGAL												
ANDAMAN & NICOBAR												
CHANDIGARH												
DADAR & NAGAR HAVELI												
DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												
*INFORMATION NOT AVAILABLE <div></div> ROUND THE YEAR <div></div> PEAK SEASON <div></div> LEAN SEASON												



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF MOSAMBI

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
2000-01	80.6	2.1	1160.4	2.7	14.4
2001-02	126.4	3.2	1210.4	2.8	9.6
2002-03	146.1	3.9	785.3	1.7	5.4
2003-04	194.5	4.2	2019.1	4.4	10.4
2004-05	194.4	3.9	2078.7	4.2	10.7
2005-06	230.3	4.3	2138.6	3.9	9.3
2006-07	268.8	4.8	2909.4	4.9	10.8
2007-08	300.2	5.1	3398.6	5.2	11.3
2008-09	317.8	5.2	3567.4	5.2	11.2
2009-10	346.3	5.5	3882.4	5.4	11.2
2010-11	157.0	2.5	1316.0	1.8	8.4
2011-12	161.7	2.4	1231.9	1.6	7.6
2012-13	323.2	4.6	3519.9	4.3	10.9
2013-14	334.9	4.6	3886.2	4.4	11.6

## PRODUCTION TREND OF MOSAMBI



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.





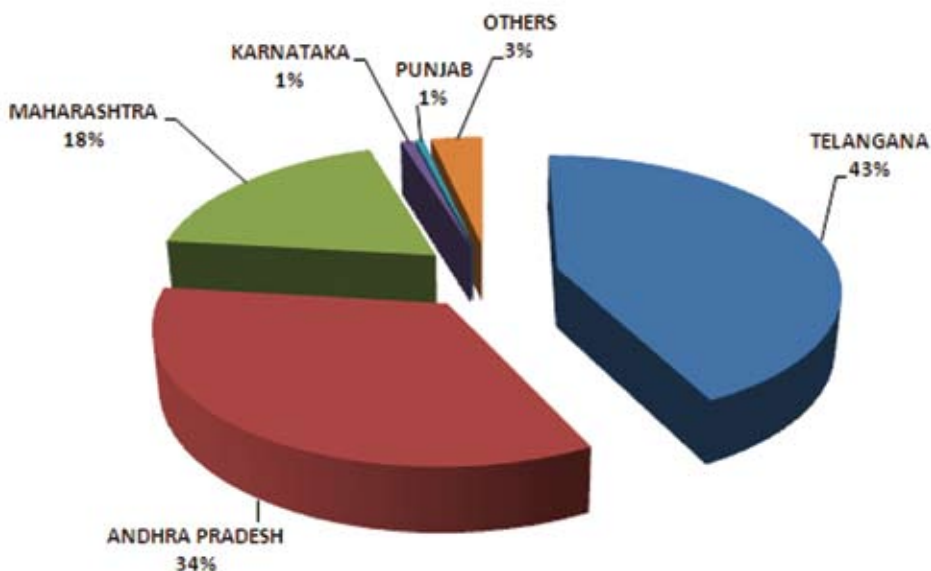
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National  
Horticulture Board

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF MOSAMBI

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
TELANGANA	0.0	0.0	0.0	0.0	0.0	0.0	122.7	1656.0	13.5
ANDHRA PRADESH	42.7	576.3	13.5	204.1	3061.1	15.0	98.6	1330.6	13.5
MAHARASHTRA	107.0	535.0	5.0	99.0	245.0	2.5	95.0	712.5	7.5
KARNATAKA	3.6	65.9	18.3	2.9	50.6	17.4	2.1	31.5	15.1
PUNJAB	2.9	22.9	8.0	2.8	22.2	8.0	2.7	21.5	8.0
OTHERS	5.5	31.7	5.8	14.4	141.1	9.8	13.9	134.0	9.6
<b>TOTAL</b>	<b>161.7</b>	<b>1231.9</b>	<b>7.6</b>	<b>323.2</b>	<b>3519.9</b>	<b>10.9</b>	<b>334.9</b>	<b>3886.2</b>	<b>11.6</b>

### LEADING MOSAMBI PRODUCING STATES (2013-2014)



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

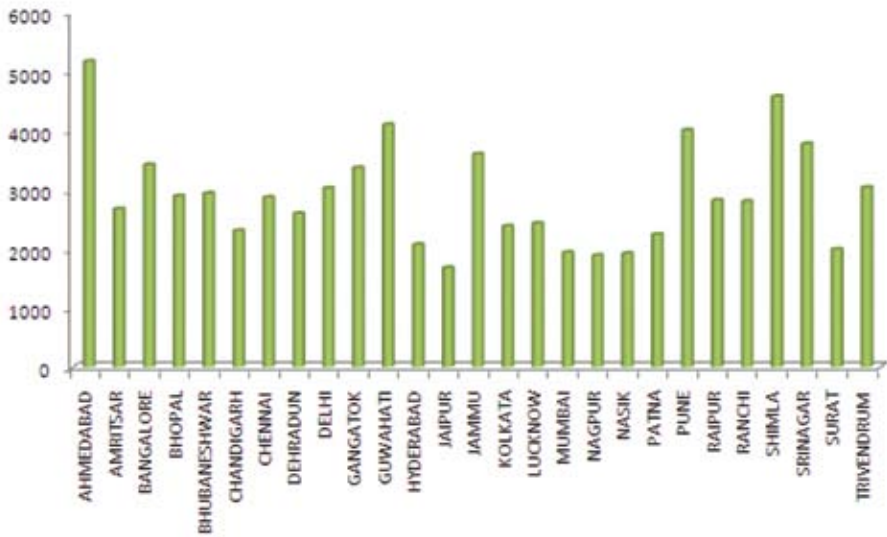
# MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF MOSAMBI DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./001  
Total Arrival in M.T.

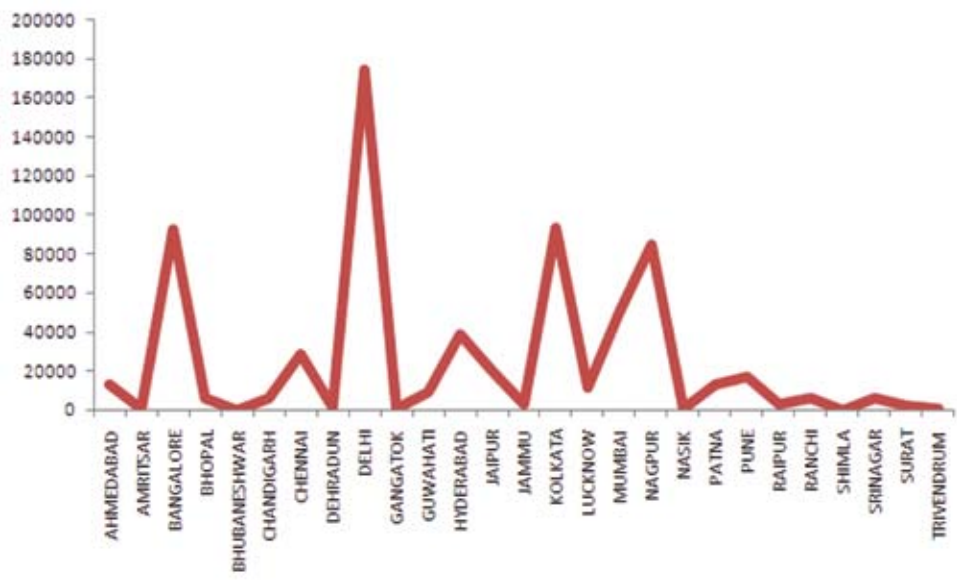
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual	
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival
AHMEDABAD	3800	880	3895	938	4408	1803	5867	1229	6196	900	6714	679	6100	44	4431	666	4947	1466	5125	1419	5262	2027	5363	1294	5176	13345
AMRITSAR	0	0	0	0	0	0	2450	93	3207	81	3400	64	3400	50	3017	105	2315	164	2239	112	1389	346	0	0	2677	1015
BANGALORE	2714	5504	2631	5175	2550	7296	2827	6304	3360	10324	5040	5456	6346	6912	3967	9456	3144	10720	2950	7840	2807	8432	2768	8718	3425	92137
BHOPAL	1940	558	2070	342	1896	393	3030	130	3471	532	4176	498	2918	624	2796	429	2770	637	3270	544	2963	545	3476	686	2988	5916
BHUBANESHWAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2950	36	2931	20	0	0	0	0	2941	56
CHANDIGARH	0	0	0	0	0	0	2412	640	2448	738	2230	674	2296	864	2230	832	2277	920	2280	703	2305	568	0	0	2310	5939
CHENNAI	2730	1945	2288	2950	2288	2830	2673	1813	3308	2585	4132	2110	3569	2030	2843	2600	2488	3310	2474	3210	2739	2130	2964	1653	2875	29166
DEHRADUN	2804	53	2768	51	2828	139	2741	109	2706	138	2572	104	2586	91	2408	161	2419	165	2510	158	2433	89	2436	76	2601	1334
DELHI	2164	1985	1883	4955	2011	16656	2850	23665	3985	20052	4935	15644	4730	18445	3108	26530	2646	27310	2700	11260	2643	4358	2677	3146	3028	174006
GANGATOK	3458	31	3313	28	2676	29	3186	27	3727	32	3760	27	4021	224	3254	28	2592	42	3450	51	3512	49	3562	52	3376	620
GUWAHATI	3398	750	3523	832	4346	625	5055	507	4474	904	4396	860	4535	867	3733	744	3494	744	4350	642	4138	1110	3831	856	4106	9241
HYDERABAD	1502	1950	1304	1437	1648	1559	1875	3260	2000	2947	2552	2886	2817	3231	2189	4889	2169	4490	2362	3777	2215	3532	2278	4881	2076	38839
JAIPUR	1535	610	1540	1089	1471	2643	1641	2588	1918	1957	1838	1473	1814	1399	1651	2035	1570	2910	1672	1783	1857	706	1686	834	1683	20027
JAMMU	2888	111	2729	163	3096	176	3173	214	4170	402	5236	103	5535	181	4148	216	3452	541	3316	476	2932	352	2591	307	3606	3242
KOLKATA	2423	4976	1515	5760	1638	8192	2323	8688	3254	8592	3350	5621	2948	8896	2013	10608	2185	10096	2223	7904	2279	7888	2490	6128	2387	93349
LUCKNOW	2888	254	2690	851	2313	1290	2299	1081	2355	4024	2497	644	2473	460	2082	594	1910	1046	2608	335	2691	361	2406	454	2434	11394
MUMBAI	1805	3369	1552	4813	1870	4150	2220	5265	2230	3224	2225	2033	1985	2311	2167	3271	2134	4224	2009	5552	1773	5882	1546	6719	1943	50913
NAGPUR	1709	2590	1234	4738	1250	8250	1980	10020	2381	5090	2524	1410	2190	1860	1784	5290	1919	13920	2134	14910	1851	9630	1737	6960	1891	84668
NASIK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1926	623	623
PATNA	1694	225	1727	535	1945	1140	2461	1350	2827	1520	3184	1045	2312	1395	2032	1530	2067	2005	2469	1185	2235	725	2006	377	2247	13032
PUNE	4681	1008	4083	1100	2876	1359	4064	924	4768	815	4758	742	5339	1009	4861	760	3364	1758	3333	1250	3092	2017	2930	4075	4012	16817
RAIPUR	2242	279	1888	212	1920	251	2518	220	3459	237	4165	190	4365	174	3010	217	2900	302	2800	252	2333	232	2320	326	2827	2892
RANCHI	2298	556	2040	544	2390	550	3201	493	3188	458	3581	495	3088	443	3248	439	2680	533	2632	612	2489	426	2705	404	2808	5953
SHIMLA	0	0	2800	5	0	0	0	0	5250	4	5562	26	5428	25	5327	26	4708	47	4367	39	3398	106	4410	62	4583	340
SRINAGAR	0	0	0	0	0	0	0	0	3324	26	3730	23	4063	24	3895	3620	3860	19	4261	690	3559	1250	3550	415	3780	6067
SURAT	2276	701	2060	440	1664	882	1975	215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1994	2238
TRIVENDRUM	2846	92	2483	114	2473	100	3053	77	3292	66	3732	69	3804	67	2950	79	3002	75	3121	61	2719	69	2926	73	3042	942



### Annual Wholesale Average Price Trend of Mosambi-2014



### Annual Total Arrival Trend of Mosambi-2014





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## ORANGE (MANDARIN)

<b>Major Producing State</b>	– Punjab, Madhya Pradesh, Andhra Pradesh, Maharashtra Rajasthan, Assam & Karnataka
<b>Latest Production</b>	– 34.31 Lakh Tonnes
<b>Name of Variety</b>	<b>Recommended Areas</b>
Coorg mandarin	Karnataka, Tamil Nadu
Khasi mandarin	Assam, Meghalaya, Manipur, Arunachal Pradesh, Sikkim, Mizoram, Tripura, Nagaland
Nagpur mandarin	Maharashtra, Karnataka, Tamil Nadu, Madhya Pradesh, Punjab, Rajasthan, West Bengal, Odisha, Himachal Pradesh, Chhattisgarh, Uttar Pradesh, Gujarat, Jammu & Kashmir, Uttarakhand, Jharkhand
Kinnow	Punjab, Maharashtra, Karnataka, Tamil Nadu, Madhya Pradesh, Rajasthan, West Bengal, Himachal Pradesh, Haryana, Chhattisgarh, Uttar Pradesh, Uttarakhand, Jammu & Kashmir, Delhi

### Major Orange (Mandarin) Producing Belts in India

<b>Assam</b>	: Kamrup, Goalpara, Kokrajhar, Chirang, Udalguri, Tinsukia, Karbi Anglong, Dima Hasao
<b>Arunachal Pradesh</b>	: Basar, Along, Yazali, Bagara, Ziro, East Siang, East Kameng, Papum Pare, Kurung Kumey, Upper Subansiri, West Siang, Upper Siang, Lower Dibang Valley, Lohit, Anjaw, Changlang, Tirap
<b>Chhattisgarh</b>	: Durg, Balod, Rajnandgaon
<b>Delhi</b>	: Najafgarh, Kapashera, Bijwasan, Kangan Heri
<b>Gujarat</b>	: Mehsana, Kheda, Anand, Vadodara, Surendranagar
<b>Haryana</b>	: Yamuna Nagar, Ambala, Karnal, Panchkula, Kurukshetra, Panipat
<b>Himachal Pradesh</b>	: Sirmour (Dhaura Kuan, Ponta), Kangra (Nur Pur, Indora), Solan (Kunihar), Una (Una, Amb), Hamirpur (Nadaun, Bhoranj)
<b>Jammu &amp; Kashmir</b>	: Baramulla, Jammu, Samba, Kupwara, Kathua, Udhampur, Reasi, Doda, Kishtwar, Ramban, Rajouri, Poonch
<b>Jharkhand</b>	: Palamu, East & West Singhbhum, Chatra
<b>Karnataka</b>	: Chickmagalore, Hassan, Bijapur, Kodagu (Coorg), Raichur, Shimoga
<b>Madhya Pradesh</b>	: Jabalpur, Narsinghpur, Hoshangabad, Harda, Bhopal, Sehore, Raisen, Vidisha, Sagar, Damoh, Bhind, Morena, Sheopur, Gwalior, Chhatarpur, Datia, Tikamgarh, Panna, Betul, Chhindwara, Shivpuri, Guna, Ratlam, Ujjain, Jhabua, Dhar, Indore, Dewas, Khargone
<b>Maharashtra</b>	: Amravati, Nagpur, Wardha, Yavatmal, Buldhana, Washim
<b>Manipur</b>	: Tamenglong, Ukhrul, Churachandpur
<b>Meghalaya</b>	: Dawki, Nongiri, Mawlong, Umsning, Burnihat, Umling, Sesatgiri, Chandigiri, Jowai, Cherrapunjee



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Mizoram	: Aizawl (Saitual), Lunglei (Vanlaiphai), Chhimituipui (Saiha Tuipang), Champhai, North, South and West part of Mizoram, Chhimheipui, Kolasib, Tawitaw, Aizawl, Thingdawal
Nagaland	: Mokokchung, Wokha, Kohima, Zunheboto, Dimapur, Mon, Tuensang, Phek, Kiphire, Longleng, Peren
Odisha	: Sambalpur, Debagarh (Deogarh)
Punjab	: Ferozepur, Hoshiarpur, Sri Muktsar Sahib, Bathinda
Rajasthan	: Jhalawar, Kota, Baran, Chittorgarh, Bhilwara, Sriganganagar
Sikkim	: North Sikkim (Timbong, Samding, Lum), East Sikkim (Pandam, Packack, Mulukey, Khamdong, Sang, Sumin), South Sikkim (Sripatam, Ligmoo, Lingi, Turuk, Sumbuk Kewzing, Lingding, Tinglay), West Sikkim (Gyalshing, Kabirthing, Barthang, Martam Radhu, Hatheydunga, Chumbong, Zoom)
Tamil Nadu	: Dindigul, Perambalur, Theni, Thoothukudi, Tiruchirappalli, Tirunelveli, Virudhunagar
Tripura	: North & South Tripura (Kanchanpur, Killa, Amarpur), West Tripura & Dhalai (Tulashikhar, Longthorai Valley)
Uttar Pradesh	: Jhansi, Lalitpur, Agra
Uttarakhand	: Chamoli, Rudra Prayag, Pauri, Tehri, Champawat, Pithoragarh
West Bengal	: Darjeeling, Jalpaiguri

Pre-cooling - Forced air

#### Storage Conditions

Temperature	- 5-70C
Relative Humidity	- 85-90%
Storage Period	- 4-8 weeks
Freezing Point	- -3 to -20C
Sensibility to	- Refrigeration and Freezing



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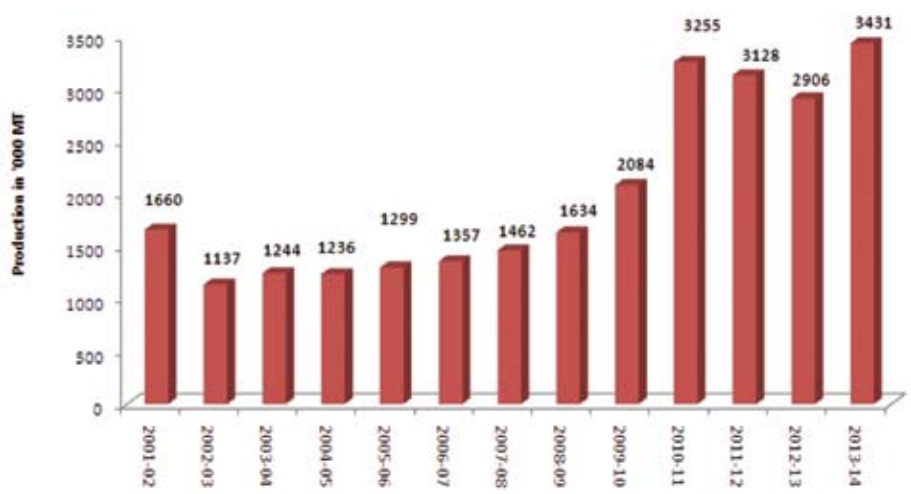
Indian Horticulture Database-2014 | 63



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF ORANGE

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
2001-02	198.9	5.0	1660.1	3.9	8.3
2002-03	142.8	3.8	1136.6	2.5	8.0
2003-04	183.4	3.9	1244.1	2.7	6.8
2004-05	183.6	3.7	1235.7	2.5	6.7
2005-06	210.8	4.0	1298.8	2.3	6.2
2006-07	198.4	3.6	1357.5	2.3	6.8
2007-08	218.1	3.7	1461.7	2.2	6.7
2008-09	245.5	4.0	1634.0	2.4	6.7
2009-10	285.0	4.5	2084.0	2.9	7.3
2010-11	324.0	5.1	3255.0	4.3	10.0
2011-12	329.1	4.9	3128.5	4.1	9.5
2012-13	311.2	4.5	2906.3	3.6	9.3
2013-14	330.0	4.6	3431.4	3.9	10.4

## PRODUCTION TREND OF ORANGE



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



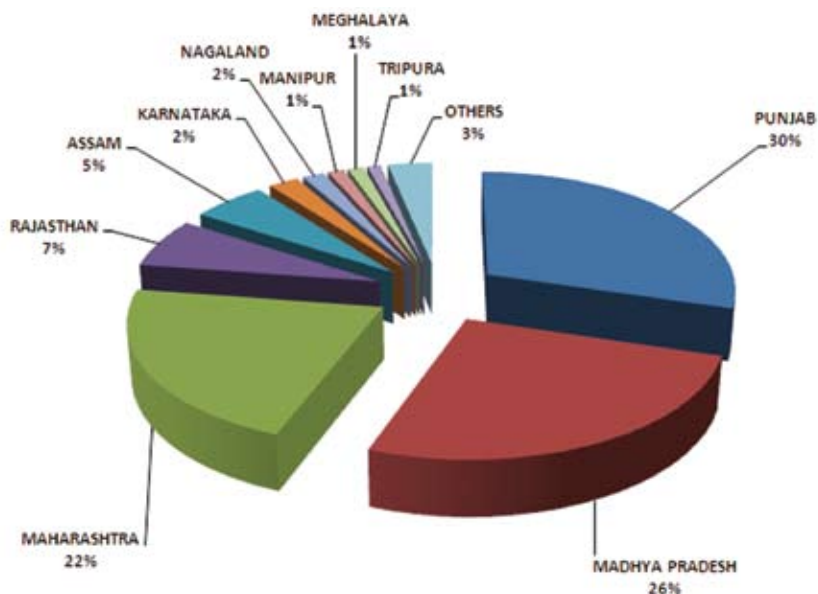


## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF ORANGE

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
PUNJAB	42.8	915.0	21.4	45.9	988.6	21.6	47.1	1017.7	21.6
MADHYA PRADESH	44.2	647.5	14.6	49.5	844.0	17.0	52.5	894.4	17.0
MAHARASHTRA	133.0	443.0	3.3	133.0	370.0	2.8	135.0	742.5	5.5
RAJASTHAN	9.0	179.0	19.9	10.5	227.4	21.7	11.2	229.9	20.5
ASSAM	15.1	175.7	11.6	15.8	195.8	12.4	15.7	188.8	12.0
KARNATAKA	3.0	63.6	21.2	3.2	71.8	22.4	3.4	75.9	22.3
NAGALAND	0.0	0.0	0.0	5.5	50.0	9.1	6.1	54.8	9.0
MANIPUR	4.7	28.7	6.2	5.0	32.6	6.5	5.2	41.2	8.0
MEGHALAYA	0.0	0.0	0.0	8.4	39.6	4.7	8.6	40.9	4.8
TRIPURA	4.7	23.6	5.1	5.3	28.4	5.4	6.3	33.9	5.4
OTHERS	72.7	652.4	9.0	29.0	58.0	2.0	38.9	111.4	2.9
TOTAL	329.1	3128.5	9.5	311.2	2906.3	9.3	329.9	3431.4	10.4

### LEADING ORANGE PRODUCING STATES (2013-2014)



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

**MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF ORANGE DURING THE PERIOD OF JANUARY TO DECEMBER-2014**

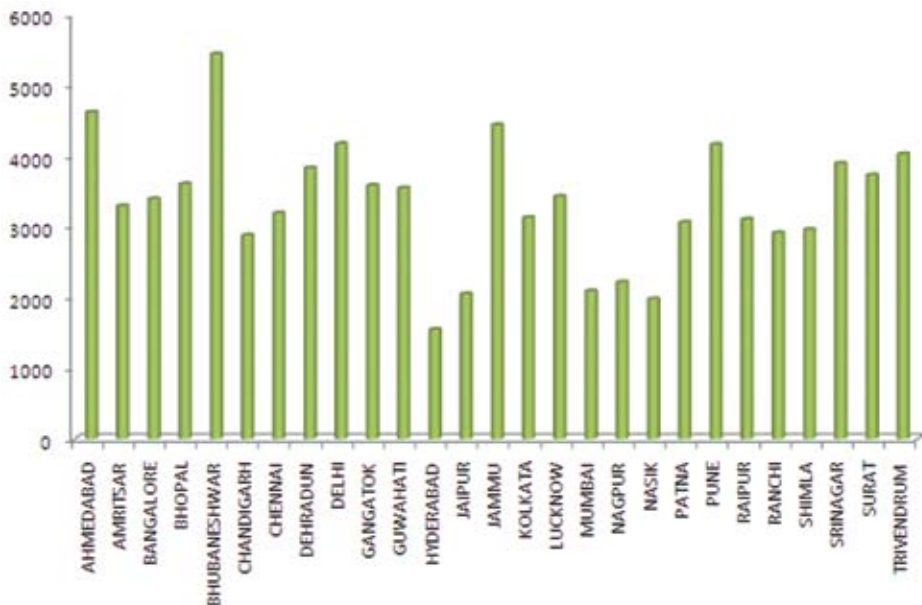
Average wholesale price in Rs./Qtl.  
Total Arrival in M.T.

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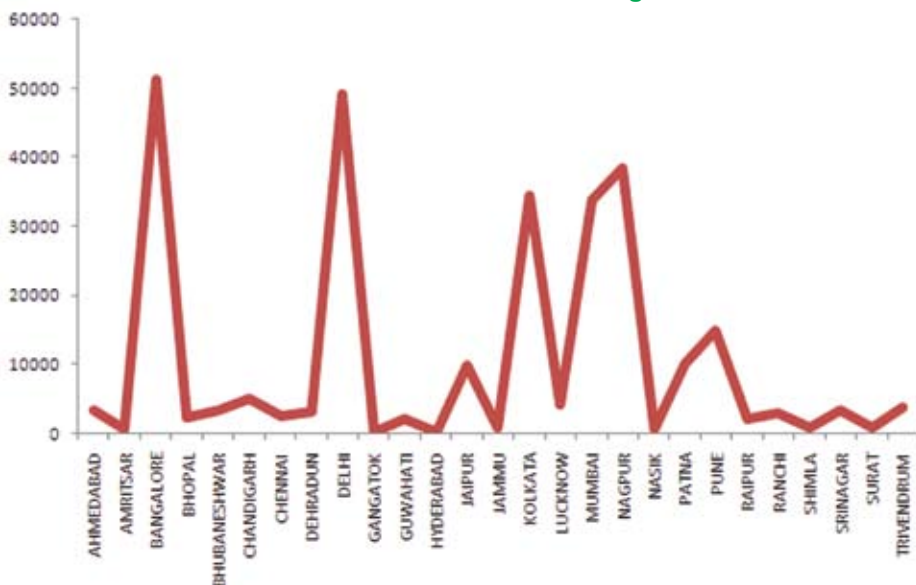


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## Annual Wholesale Average Price Trend of Orange-2014



## Annual Total Arrival Trend of Orange-2014





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## GRAPES

- Origin** - Central Asia (Region between Black Sea and Caucasian Sea)
- Major Producing States** - Maharashtra, Karnataka, Tamil Nadu, Andhra Pradesh and Mizoram
- Latest Production** - 25.85 Lakh Tonnes

### Name of Variety

### Recommended Areas

Anab-e-Shahi	Andhra Pradesh, Punjab, Tamil Nadu, Karnataka
Dil Kush	Karnataka, Andhra Pradesh
Bangalore Blue	Karnataka, Mizoram
Thompson Seedless	Maharashtra, Andhra Pradesh, Tamil Nadu, Karnataka, Himachal Pradesh, Manipur
2A Clone of thompson Seedless	Maharashtra, Karnataka, Andhra Pradesh tas-e-Ganesh(Clone of thompson Seedless) Maharashtra
Sonaka	Maharashtra, Tamil Nadu, Karnataka
Manik Chaman	Maharashtra, Tamil Nadu, Karnataka
Sharad Seedless	Maharashtra, Tamil Nadu
Flame Seedless	Maharashtra, Haryana, Tamil Nadu, Punjab
Red Globe	Maharashtra, Karnataka, Tamil Nadu
Fantasy Seedless	Maharashtra, Karnataka
Pusa Seedless	Punjab, Karnataka, Himachal Pradesh
Manjm Naveen	Maharashtra, Karnataka
Perlette	Punjab, Haryana, Himachal Pradesh
IARI, New Delhi (Hybrid)	
Pusa Navrang	Punjab, Andhra Pradesh, Karnataka, Mizoram
Pusa urvashi	Punjab, Andhra Pradesh, Karnataka
IIHR, Bangalore (Hybrid)	
Arka Kanchan	Andhra Pradesh, Karnataka, Tamil Nadu
Arkavati	Andhra Pradesh, Karnataka
Arka Shyam	Andhra Pradesh, Karnataka, Tamil Nadu
Arka hans	Andhra Pradesh, Karnataka, Tamil Nadu
Arka neelamani	
(Black Champa x thompson Seedless)	Andhra Pradesh, Karnataka
Shweta Seedless (Anab-e-Shahi x thompson Seedless)	Andhra Pradesh, Karnataka
Arka majestic (Angur Kalam x Black Champa)	Andhra Pradesh, Karnataka
Arka Chitra (Angur Kalam x Anab-e-Shahi)	Andhra Pradesh, Karnataka
Arka Krishna(Black Champa x thompson Seedless)	Andhra Pradesh, Karnataka
Arka Soma (Anab-e-Shahi x Queen of Vineyards)	Andhra Pradesh, Karnataka
Arka trishna(Bangalore Blue x Convent large Black)	Andhra Pradesh, Karnataka



### Major Grapes Producing Belts in India

Andhra Pradesh	: Hyderabad, Rangareddy, Anantapur
Himachal Pradesh	: Kullu (Bajaura), Mandi (Nagwain), Kinnaur (Ribba, Rekong peo), Solan (Gaura)
Haryana	: Hisar, Fatehabad, Sirsa
Karnataka	: Bijapur, Bengaluru (Rural), Kolar, Belgaum, Bengaluru (Urban), Gulbarga, Koppal, Bidar, Belgaum
Punjab	: Bathinda, Mansa, Sangrur, Faridkot
Maharashtra	: Sangli, Nasik, Solapur, Pune, Ahmednagar, Latur, Satara, Osmanabad, Buldhana (table Grapes), Nasik, Sangli, Osmanabad, Buldhana (Wine Grapes)
Manipur	: Imphal West, Bishnupur, Imphal East, Thoubal, Churachandpur, Chandel
Mizoram	: Champhai
Tamil Nadu	: Coimbatore, Dindigul, Theni

### Commercial varieties can be grouped under four categories based on colour & seeds:

Coloured seeded	- Red Globe, Bangalore Blue (Isabella), Muscat Hamburg (Gulabi)
Coloured seedless	- Kishmish Chernyi (shared seedless) and Flame seedless.
White seedless	- Thompson seedless and its clones (Tas-A-Ganesh, Sonaka and Manik Chaman) and Perlette.

Thompson Seedless and its clones are the major white seedless grapes grown on approximate 70% area. Other seeded and seedless varieties viz.: Kishmish Chernyi (Shared Seedless). Flame Seedless, Red Globe, Perlette etc. cover rest area.

Advanced Technology Propagation	- Hardwood cutting and bench grafting with machine.
Harvesting	- Harvest early in the morning. Stack the pallets in the shade. Transport with covered trailer. Use of adequate pre-cooling techniques rapidly removes the field heat.
Pre-cooling	- Forced air cooling

### Storage Conditions

Temperature	- 1-00C(depends on variety and TSS)
Relative Humidity	- 90-95%
Air Velocity	- An air velocity of approximately 20-40 feet per minute (FPM) is suggested during storage)
Freezing Point	- -3 to -20C (depends on variety and TSS)
Storage Period	- 5-12 weeks (depends on variety and TSS)
Sensibility to	- Stem Freezing.



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## HARVESTING SEASON OF GRAPES

STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
MEGHALAYA												
MIZORAM												
NAGALAND												
ODISHA												
PUNJAB												
RAJASTHAN												
SIKKIM												
TAMIL NADU												
TRIPURA												
UTTAR PRADESH												
UTTARAKHAND												
WEST BENGAL												
ANDAMAN & NICOBAR												
CHANDIGARH												
DADAR & NAGAR HAVELI												
DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												
*INFORMATION NOT AVAILABLE <div></div> ROUND THE YEAR <div></div> PEAK SEASON <div></div> LEAN SEASON												

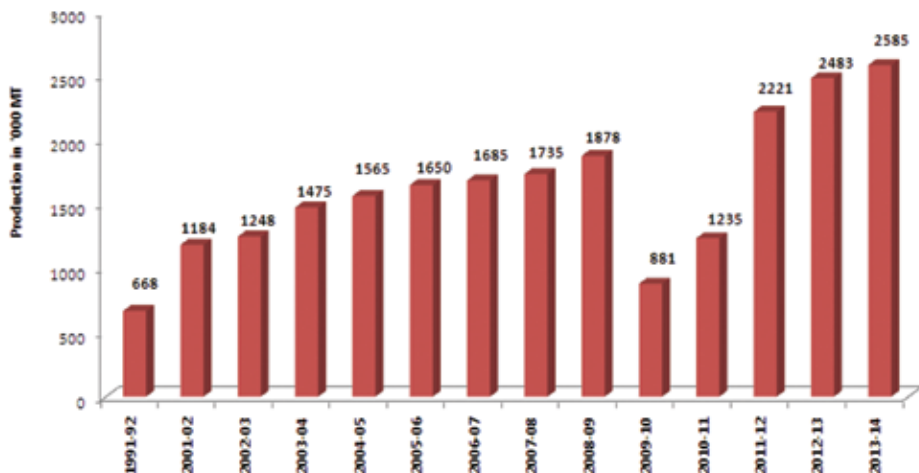


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## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF GRAPES

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	32.4	1.1	668.2	2.3	20.6
2001-02	47.5	1.2	1184.2	2.8	24.9
2002-03	52.1	1.4	1247.8	2.8	24.0
2003-04	57.8	1.2	1474.8	3.2	25.5
2004-05	60.5	1.2	1564.7	3.2	25.9
2005-06	66.0	1.2	1649.6	3.0	25.0
2006-07	65.0	1.2	1685.0	2.8	25.9
2007-08	68.0	1.2	1735.0	2.6	25.5
2008-09	80.0	1.3	1878.0	2.7	23.5
2009-10	106.4	1.7	880.7	1.2	8.3
2010-11	111.0	1.7	1235.0	1.6	11.1
2011-12	116.0	1.7	2220.9	2.9	19.1
2012-13	117.6	1.7	2483.1	3.1	21.1
2013-14	118.7	1.6	2585.3	2.9	21.8

## PRODUCTION TREND OF GRAPES



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



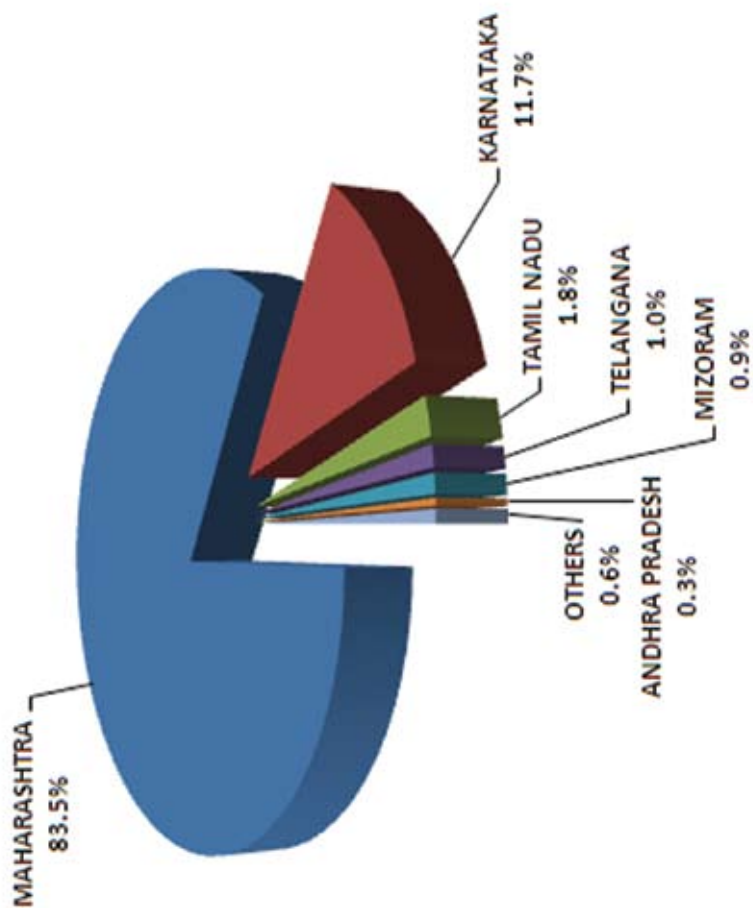
## Area in '000 HA, Production in '000 MT and Productivity = MT/HA

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING GRAPES PRODUCING STATES (2013-2014)





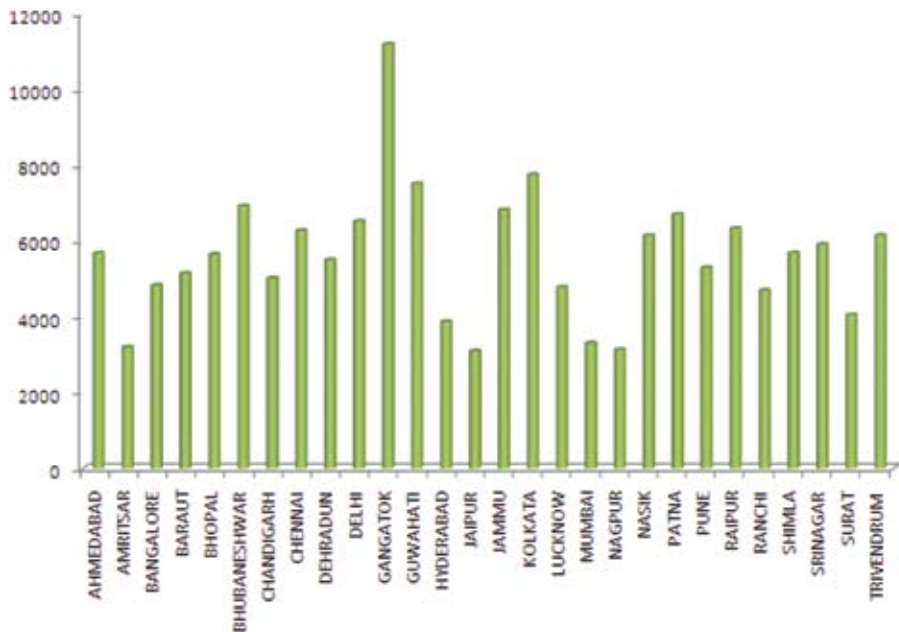
## MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF GRAPES DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./Qu.  
Total Arrival in M.T.

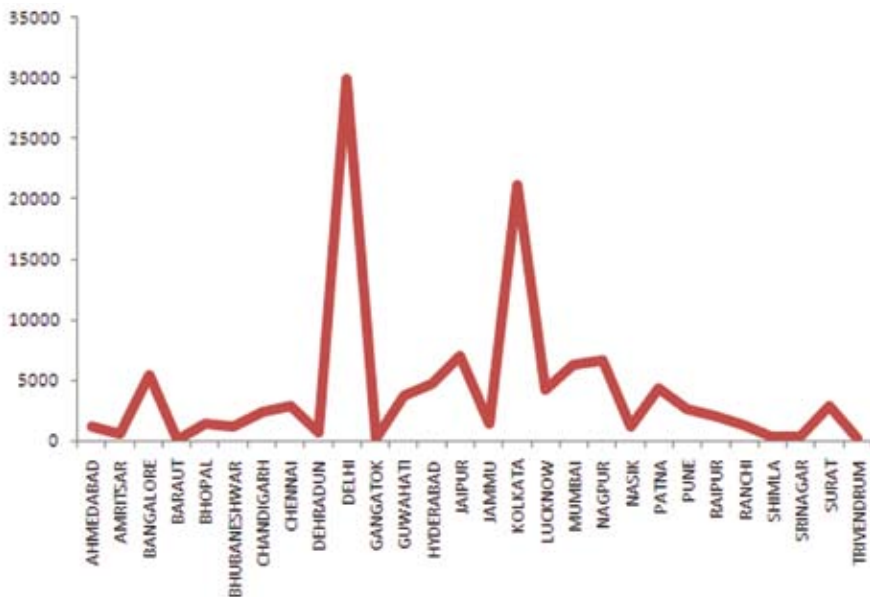
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual	
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival
AHMEDABAD	6250	253	3875	384	6146	460	5429	86	5367	35	6200	7	0	0	0	0	0	0	0	0	0	0	6500	4	5680	1209
AMRITSAR	0	0	3766	152	3729	183	3535	139	0	0	1782	64	0	0	0	0	0	0	0	0	0	0	0	0	3203	538
BANGALORE	5580	1645	4360	1673	3902	960	4841	1035	5500	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4837	5388
BARAUT	0	0	5703	18	4593	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5148	54
BHOPAL	0	0	3683	362	4473	473	5346	366	8173	173	9250	56	0	0	0	0	3000	22	0	0	0	0	0	0	5654	1452
BHUBANESHWAR	8100	46	5671	204	5362	407	6664	259	8822	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6924	1116
CHANDIGARH	5129	336	5104	708	4511	852	4881	319	5475	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5020	2339
CHENNAI	6250	836	6208	784	6028	758	7141	495	0	0	0	0	0	0	0	0	0	0	0	0	5750	30	0	6275	2903	
DEHRADUN	0	0	4810	99	3764	336	5038	147	8393	35	5500	1	0	0	0	0	0	0	0	0	0	0	0	0	5501	618
DELHI	6738	3767	4911	8802	5156	10368	6369	4295	7178	813	5427	136	5769	48	6952	21	6893	15	8564	161	7698	511	6612	971	6522	29928
GANGATOK	13269	35	10063	34	7960	36	10000	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1188	141
GUWAHATI	8543	622	6546	691	6204	1224	6595	739	9663	464	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7510	3740
HYDERABAD	0	0	0	0	0	0	3967	1278	3925	1968	3733	1458	0	0	0	0	0	0	0	0	0	0	0	0	3875	4704
JAIPUR	3179	260	2810	1664	2466	3278	3171	1720	3876	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3100	7015
JAMMU	0	0	6121	569	6780	493	7564	393	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6822	1455
KOLKATA	6652	2464	5870	4560	6126	5856	6695	4048	10144	607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7751	21119
LUCKNOW	5768	115	3702	947	3122	2028	3969	982	5821	59	6300	14	0	0	0	0	0	0	0	0	9574	1376	9196	2208	7751	21119
MUMBAI	3533	227	2980	1475	2783	1474	3555	836	2961	608	3663	24	0	0	0	0	0	0	0	0	3490	595	3531	1042	3312	6281
NAGPUR	4368	407	5159	1019	4042	1350	3720	890	3173	600	1908	735	2142	310	2266	190	2416	260	2659	270	2822	240	2940	340	3135	6611
NASIK	0	0	0	0	5042	725	6750	350	6640	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6144	1102
PATNA	6731	90	4877	985	4874	1935	6941	1045	10089	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6702	4275
PUNE	0	0	5143	1079	5036	1163	5715	407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5298	2649
RAIPUR	7847	251	5191	581	4782	669	5460	449	8375	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6331	2002
RANCHI	5148	294	4496	280	3964	420	4601	232	5286	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4699	1232
SHIMLA	0	0	5762	86	4716	114	4457	73	7819	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5689	334
SRINAGAR	6346	40	5576	94	5458	114	5668	76	6515	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5913	342
SURAT	5050	156	3574	1355	3355	1240	4225	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4051	2881
TRIVENDRUM	5919	37	5413	40	6355	28	6928	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6154	126



## Annual Wholesale Average Price Trend of Grapes-2014



## Annual Total Arrival Trend of Grapes-2014





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## GUAVA

Origin	- Tropical America
Major Producing States	- Maharashtra, Madhya Pradesh, Uttar Pradesh, Bihar, West Bengal, Punjab, Gujarat & Karnataka
Latest Production	- 36.67 Lakh Tonnes

Name of Variety	Recommended Areas
Sardar (I-49)	All over India
Allahabad Safeda	All over India
Chittidar	Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand
Apple Colour	Uttar Pradesh
Lalit	All over India
Shweta	All over India
Allahabad Surkha	Uttar Pradesh
Arka mridula	Tamil Nadu, Karnataka, Andhra Pradesh, Maharashtra
Dhareedhar	Chhattisgarh, Madhya Pradesh
Pant Prabhat	Uttar Pradesh, Uttarakhand
IIHR, Bangalore (Hybrid)	
Arka Amulya	Tamil Nadu, Karnataka, Andhra Pradesh, Maharashtra, Punjab
Arka Kiran	Karnataka, Andhra Pradesh, Maharashtra
HAU, Hissar (Hybrid)	
Hisar Safeda	Haryana, Punjab
Hisar Surkha	Haryana, Punjab

### Major Guava Producing Belts in India

Andhra Pradesh	: Anantapur, Khammam, East & West Godavari, Guntur, Krishna, Medak
Arunachal Pradesh	: Changlang, Upper Siang, West Siang,
Assam	: Cochar, Dhubri, Kokrajhar, Bongaigaon, Barpeta, Darrang, Nagaon, Marigaon, Chirang, Tinsukia
Bihar	: Bhojpur, Buxar, Vaishali, Bhagalpur, Gaya, Aurangabad, Rohtas, Samastipur, Begusarai, Katihar, East & West Champaran, Araia
Chhattisgarh	: Raipur, Gariaband, Baloda Bazar, Mahasamund, Dhamtari, Durg, Rajnandgaon, Balod, Bemetara, Kabirdham, Mungeli, Bilaspur, Janjgir-Champa, Raigarh, Surguja, Korba, Balrampur, Surajpur, Koriya, Jashpur, Bastar (Jagdalpur), Kondagaon, Narayanpur, Dantewada, Sukma, Bijapur, Kanker
Delhi	: Shakarpur, Najafgarh, Alipur
Gujarat	: Ahmedabad, Bhavnagar, Bharuch
Haryana	: Mewat, Hisar, Sirsa, Fatehabad, Jind, Jhajjar, Sonipat, Karnal, Yamuna Nagar, Ambala
Himachal Pradesh	: Kangra, Mandi, Una, Bilaspur, Sirmour, Solan
Jammu & Kashmir	: Jammu, Samba, Kathua, Udhampur, Reasi, Rajouri, Poonch



<b>Jharkhand</b>	:	Ranchi, Lohardaga, Hazaribagh, Giridih, Gumla, Palamu
<b>Karnataka</b>	:	Kolar, Bengaluru (Rural), Bengaluru (Urban), Dharwad, Shimoga
<b>Madhya Pradesh</b>	:	Balaghat, Rewa, Satna, Panna, Seoni, Umaria, Katni, Sheopur, Gwalior, Shivpuri, Betul, Chhindwara, Guna, Ratlam, Ujjain, Jhabua, Dhar, Indore, Dewas, Khargone, Kukshi
<b>Maharashtra</b>	:	Ahmednagar, Nasik, Satara, Beed, Pune, Aurangabad, Amravati, Jalgaon, Jalna, Akola, Wardha
<b>Manipur</b>	:	Imphal West, Bishnupur, Imphal East, Thoubal, , Churachandpur, Chandel
<b>Meghalaya</b>	:	Ri-bhoi, Gharo Hills
<b>Mizoram</b>	:	South Mizoram
<b>Nagaland</b>	:	Kohima, Wokha, Mokochung, Tuensang, Zunheboto, Phek, Kiphire, Longleng, Mon, Dimapur, Peren
<b>Odisha</b>	:	Cuttack, khordha, Nabarangpur
<b>Punjab</b>	:	Patiala, Ludhiana, Sangrur, S.A.S. Nagar (Mohali), Jalandhar, Sri Muktsar Sahib, Ferozepur, Fazilka, Bathinda, Faridkot, Ropar, Hoshiarpur
<b>Rajasthan</b>	:	Kota, Baran, Chittorgarh, Banswara, Jaipur, Bundi, Ajmer, Karauli, Sawai Madhopur, Bhilwara, Udaipur, Sirohi, Tonk
<b>Sikkim</b>	:	North Sikkim (Timbong, Sanding, Lum), East Sikkim (Pandan, Packack, Ralep, Pakyong, Mulukey), South Sikkim (Turuk-Sumbuk, Lingzo, Mellidara Dong, Wok), West Sikkim (Gyalshing, Rundu, Lasso, Chingthang)
<b>Tamil Nadu</b>	:	Cuddalore, Dindigul, Kanchipuram, Madurai, Theni, Tiruvallur, Thoothukudi, Tiruchirappalli, Tirunelveli, Vellore, Vilupuram, Virudhunagar
<b>Uttar Pradesh</b>	:	Allahabad, Kausambi, Farrukhabad, Kanpur, Unnao, Aligarh, Badaun, Varanasi, Fatehpur, Faizabad, Lucknow Jhansi, Jalaun, Hamirpur, Mahoba, Chitrakoot, Banda, Lalitpur, Agra, Mathura, Sonbhadra, Mirzapur
<b>Uttarakhand</b>	:	Pithoragarh, Udham Singh Nagar, Haridwar, Dehradun, Pauri, Tehri, Uttarkashi
<b>West Bengal</b>	:	Nadia, 24 Parganas (North & South), Birbhum, Midnapore (West & East), Purulia, Bankura, Bardhaman
<b>Advanced Technology</b>	-	High density planting
<b>Pre-cooling</b>	-	Forced air
<b>Storage Conditions</b>		
<b>Temperature</b>	-	7-10°C
<b>Relative Humidity</b>	-	85-90%
<b>Storage Period</b>	-	3-3 weeks
<b>Treatment for Quality</b>	-	Vacuum infiltration of packaged fruits in 10% CACI 2 at ambient temperature retards softening and increase the self-life. Coating of fruit with water soluble high polymer stored at 10°C for 2 months.
<b>Sensibility to</b>	-	Refrigeration and Ethylene



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## HARVESTING SEASON OF GUAVA

STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
MEGHALAYA												
MIZORAM												
NAGALAND												
ODISHA												
PUNJAB												
RAJASTHAN												
SIKKIM												
TAMIL NADU												
TRIPURA												
UTTAR PRADESH												
UTTARAKHAND												
WEST BENGAL												
ANDAMAN & NICOBAR												
CHANDIGARH												
DADAR & NAGAR HAVELI												
DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												
*INFORMATION NOT AVAILABLE                 ROUND THE YEAR                 PEAK SEASON                 LEAN SEASON												

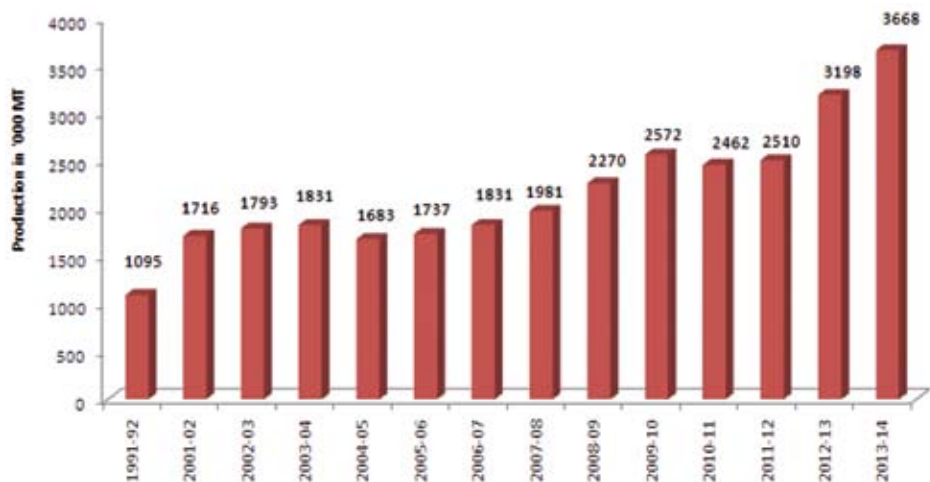




## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF GUAVA

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	94.0	3.3	1095.1	3.8	11.7
2001-02	154.6	3.9	1715.5	4.0	11.1
2002-03	154.6	4.1	1793.0	4.0	11.6
2003-04	166.4	3.6	1830.7	4.0	11.0
2004-05	161.0	3.2	1682.8	3.4	10.5
2005-06	166.5	3.1	1736.6	3.1	10.4
2006-07	176.0	3.2	1831.0	3.1	10.4
2007-08	179.0	3.1	1981.0	3.0	11.1
2008-09	204.0	3.3	2270.0	3.3	11.1
2009-10	219.7	3.5	2571.5	3.6	11.7
2010-11	205.0	3.2	2462.0	3.3	12.0
2011-12	219.9	3.3	2510.4	3.3	11.4
2012-13	235.6	3.4	3198.3	3.9	13.6
2013-14	268.2	3.7	3667.9	4.1	13.7

## PRODUCTION TREND OF GUAVA



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

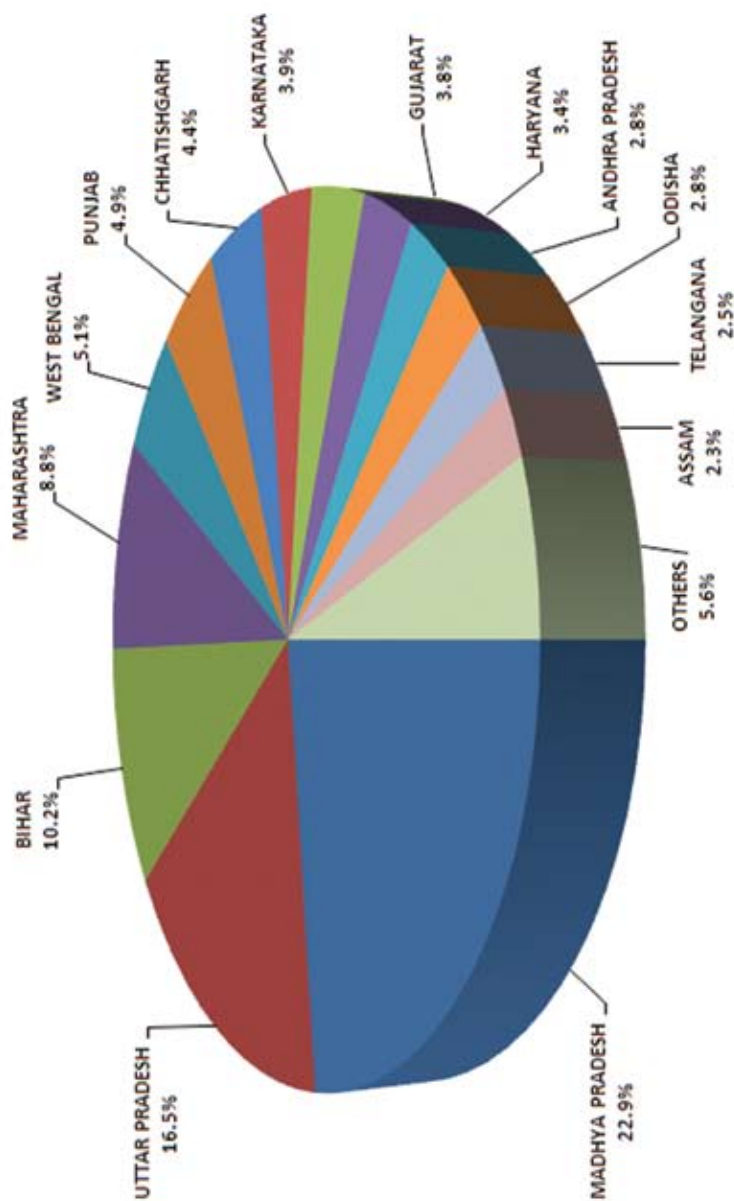
## STATEWISE AREA, PRODUCTION & PRODUCTIVITY OF GUAVA

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
MADHYA PRADESH	16.5	255.3	15.5	21.3	801.0	37.6	22.4	841.1	37.6
UTTAR PRADESH	14.4	251.5	17.5	15.3	291.4	19.0	45.0	605.0	13.4
BIHAR	29.5	245.2	8.3	29.7	259.5	8.7	30.0	373.7	12.5
MAHARASHTRA	37.0	322.0	8.7	39.0	305.0	7.8	40.0	324.0	8.1
WEST BENGAL	14.1	179.8	12.8	14.2	184.0	13.0	14.4	186.0	13.0
PUNJAB	7.9	173.8	22.0	8.1	177.6	22.0	8.2	180.8	22.0
CHHATTISGARH	15.6	121.3	7.8	17.1	140.9	8.2	19.3	162.8	8.4
KARNATAKA	7.1	135.1	19.0	6.8	134.9	19.8	6.4	143.4	22.3
GUJARAT	10.5	156.3	14.9	10.6	158.1	14.9	10.8	140.8	13.0
HARYANA	9.7	87.1	9.0	10.4	107.6	10.4	10.7	125.0	11.7
ANDHRA PRADESH	8.9	134.0	15.1	12.3	184.5	15.0	6.9	104.1	15.0
ODISHA	14.3	103.4	7.2	14.2	103.7	7.3	14.2	103.6	7.3
TELANGANA							6.0	90.0	15.0
ASSAM	5.0	99.3	19.9	5.3	105.8	20.1	4.2	83.8	20.0
OTHERS	29.5	246.4	8.4	31.3	244.4	7.8	29.8	203.7	6.8
TOTAL	219.9	2510.4	11.4	235.6	3198.3	13.6	268.2	3667.9	13.7

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## LEADING GUAVA PRODUCING STATES (2013-2014)



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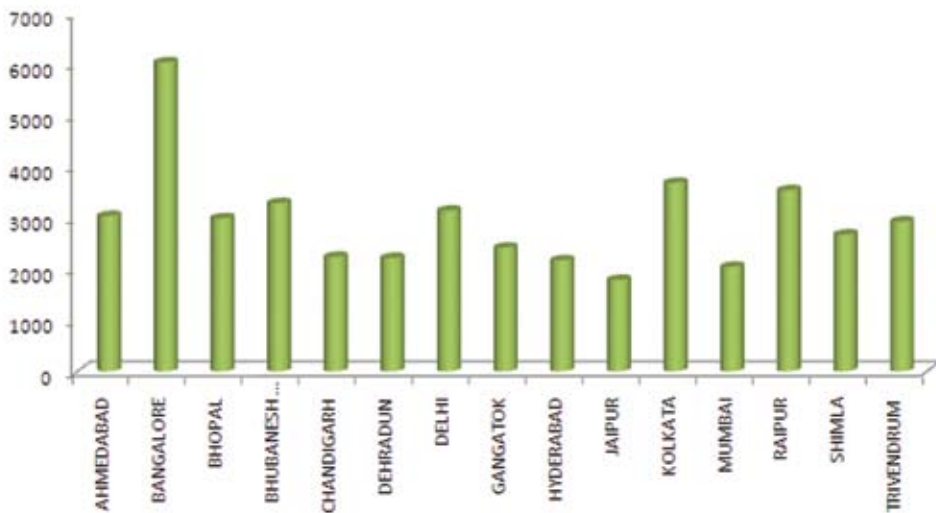
## MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF GUAVA DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Ru/Qt.  
Total Arrival in M.T.

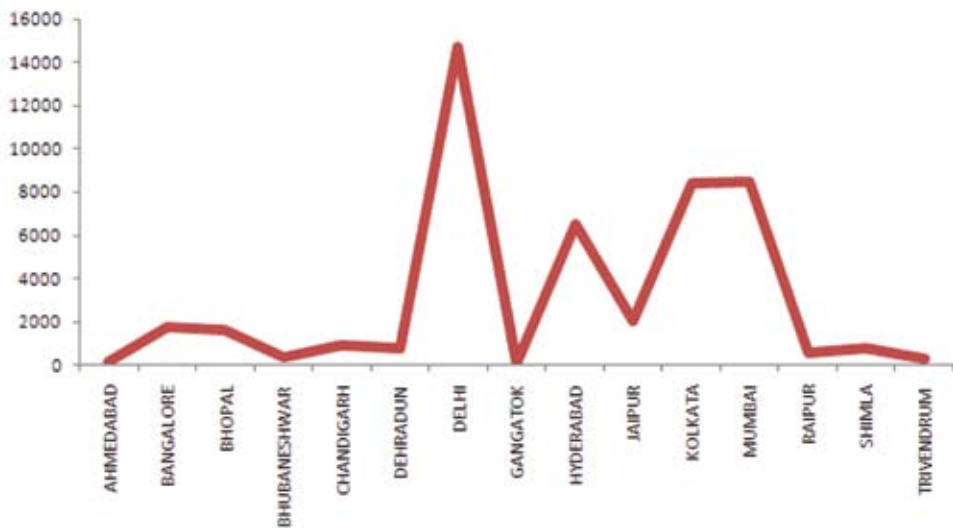
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual	
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival
AHMEDABAD	2083	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4000	4	3042	98
BANGALORE	6720	93	8833	75	7587	68	8318	54	7320	112	5180	139	6577	147	4739	247	4500	234	4500	181	5155	162	5143	219	6048	1731
BHOPAL	2977	588	3419	176	0	0	0	0	0	0	0	0	0	0	0	2600	30	0	0	0	0	0	2984	821	2995	1615
BHUBANESHWAR	2875	32	3100	31	3387	25	3493	22	4306	26	3871	25	3477	36	3056	31	2981	37	3322	31	3005	35	2675	37	3294	368
CHANDIGARH	2199	597	2282	265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2241	862
DEHRADUN	2815	410	2770	69	0	0	0	0	0	0	0	0	0	0	0	0	1662	96	0	0	2046	74	2004	125	2219	774
DELHI	2531	3316	3387	918	3391	360	3543	37	0	0	0	0	4298	184	2672	1558	2408	1288	2907	1078	3372	1826	2938	4126	3145	14671
GANGATOK	2269	30	2571	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2420	57
HYDERABAD	1600	1176	2135	789	2696	3182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2261	1356	2173	6503
JAIPUR	1484	1282	1616	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2268	661	1789	1987
KOLKATA	5337	250	5667	509	4912	463	3987	688	3956	388	2456	846	2109	1105	1644	1149	2892	748	3832	553	3636	764	3946	916	3690	8389
MUMBAI	1767	701	1811	815	2013	497	2238	370	2190	309	2275	280	2126	390	2319	733	1944	1126	2109	1293	2030	837	1729	1122	2046	8473
RAIPUR	2981	185	3896	62	3682	37	3236	13	0	0	0	0	0	0	0	0	0	0	0	0	4073	70	3392	196	3543	563
SHIMLA	2433	121	2321	96	2648	139	0	0	0	0	0	0	0	0	0	0	2106	122	2369	145	3307	76	3560	61	2678	760
TRIVENDRUM	3138	19	2917	21	3377	17	2835	15	2903	14	2798	21	3056	19	2475	34	2871	23	2816	25	2869	18	3134	19	2932	244



### Annual Wholesale Average Price Trend of Guava-2014



### Annual Total Arrival Trend of Guava-2014





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## LITCHI

**Major Producing States** - Bihar, West Bengal, Jharkhand, Assam,  
Punjab, Chhatisgarh & Orissa

**Latest Production** - 5.85 Lakh Tonnes

### Name of Variety

### Recommended Areas

Shahi	Bihar, Jharkhand, Uttar Pradesh, Uttarakhand, Sikkim, Chhattisgarh, Madhya Pradesh, Assam
China	Bihar, Jharkhand, Uttar Pradesh, Uttarakhand, West Bengal, Nagaland, Assam
Elaichi	West Bengal
Rose Scented	Uttar Pradesh, Uttarakhand, Bihar, Jharkhand, Punjab, Tamil Nadu, Himachal Pradesh, Jammu & Kashmir
Bedana	Bihar, Jharkhand, West Bengal, Uttar Pradesh, Uttarakhand
Bombai	West Bengal, Assam
Dehradun	Uttarakhand, Punjab, Uttar Pradesh, Jharkhand, Himachal Pradesh, Tamil Nadu, Jammu & Kashmir
Late Seedless	Punjab, Uttar Pradesh, Bihar, Jharkhand, Tamil Nadu
Late large Red	Bihar, Jharkhand, West Bengal, Odisha, Chhattisgarh, Madhya Pradesh, Nagaland, Manipur, Tamil Nadu, Meghalaya
Purbi	Bihar, Jharkhand, West Bengal
Calcuttia	Punjab, Uttar Pradesh, Uttarakhand, West Bengal, Himachal Pradesh, Tamil Nadu, Jammu & Kashmir

### Major Litchi Producing Belts in India

Assam	: Dibrugarh, Goalpara, Sonitpur, Lakhimpur, Jorhat, Golaghat, Kamrup, Nalbari, Barpeta, Bongaigaon, Nagaon
Bihar	: Muzaffarpur, Vaishali, East Champaran, West Champaran, Sitamarhi, Sheohar, Samastipur, Bhagalpur
Chhattisgarh	: Korba, Raigarh, Surguja, Jashpur, Surajpur, Balrampur, Koriya, Narayanpur
Himachal Pradesh	: Kangra (Palampur, Panchrukhi, Dharmshala), Sirmour (Paonta Sahib, Dhaula kuan)
Jammu & Kashmir	: Jammu, Samba, Kathua, Udhampur, Reasi
Jharkhand	: Ramgarh, Ranchi, Hazaribagh, Gumla
Madhya Pradesh	: Shahdol, Sidhi, Madla, Dindori
Manipur	: Imphal West, Bishnupur, Imphal East, Thoubal, Churachandpur, Chandel
Meghalaya	: East Khasi Hills, Ri-bhoi, Garo Hills
Nagaland	: Kohima, Wokha, Mokokchung, Tuensang, Zunheboto, Phek, Kiphire, Longleng, Mon, Dimapur, Peren
Odisha	: Sambalpur, Debagarh (Deogarh), Sundergarh, Rayagada, Koraput



<b>Punjab</b>	:	Gurdaspur, Hoshiarpur, Ropar
<b>Sikkim</b>	:	North Sikkim (Phidang), East Sikkim (Majhitar, Bhasmey, Rorathang, Makha, Ralep, Mulukey), South Sikkim (Kitam, Pakzor, Chalamthamthang, Kichudumra), West Sikkim (Sagbari, Kamling)
<b>Tamil Nadu</b>	:	Tiruvavur, Vellore, Vilupuram
<b>Uttar Pradesh</b>	:	Saharanpur, Muzaffarnagar, Kushinagar
<b>Uttarakhand</b>	:	Nainital, Udham Singh Nagar, Haridwar, Dehradun, Almora
<b>West Bengal</b>	:	Malda, Murshidabad, 24 Parganas (North & South), Uttar Dinajpore, Cooch Behar

Advanced Technology	-	High density planting
Pre-cooling	-	Forced air

#### Storage Conditions

Temperature	-	1-2°C
Relative Humidity	-	90-95%
Storage Period	-	3-5 weeks
Treatment for Quality	-	Sulphur treatment
Sensibility to	-	Refrigeration and Ethylene

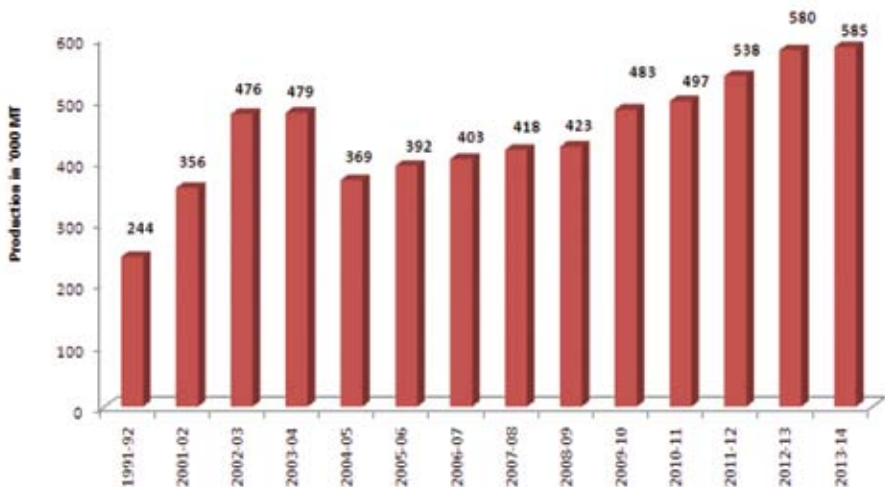




## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF LITCHI

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	49.3	1.7	243.8	0.9	4.9
2001-02	58.1	1.4	355.9	0.8	6.1
2002-03	54.1	1.4	476.4	1.1	8.8
2003-04	53.7	1.1	478.5	1.0	8.9
2004-05	60.0	1.2	368.6	0.7	6.1
2005-06	63.2	1.2	392.1	0.7	6.2
2006-07	65.0	1.2	403.0	0.7	6.2
2007-08	69.0	1.2	418.0	0.6	6.1
2008-09	72.0	1.2	423.0	0.6	5.9
2009-10	74.4	1.2	483.3	0.7	6.5
2010-11	78.0	1.2	497.0	0.7	6.4
2011-12	80.4	1.2	538.1	0.7	6.7
2012-13	82.7	1.2	580.1	0.7	7.0
2013-14	84.2	1.2	585.3	0.7	7.0

## PRODUCTION TREND OF LITCHI



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF LITCHI

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

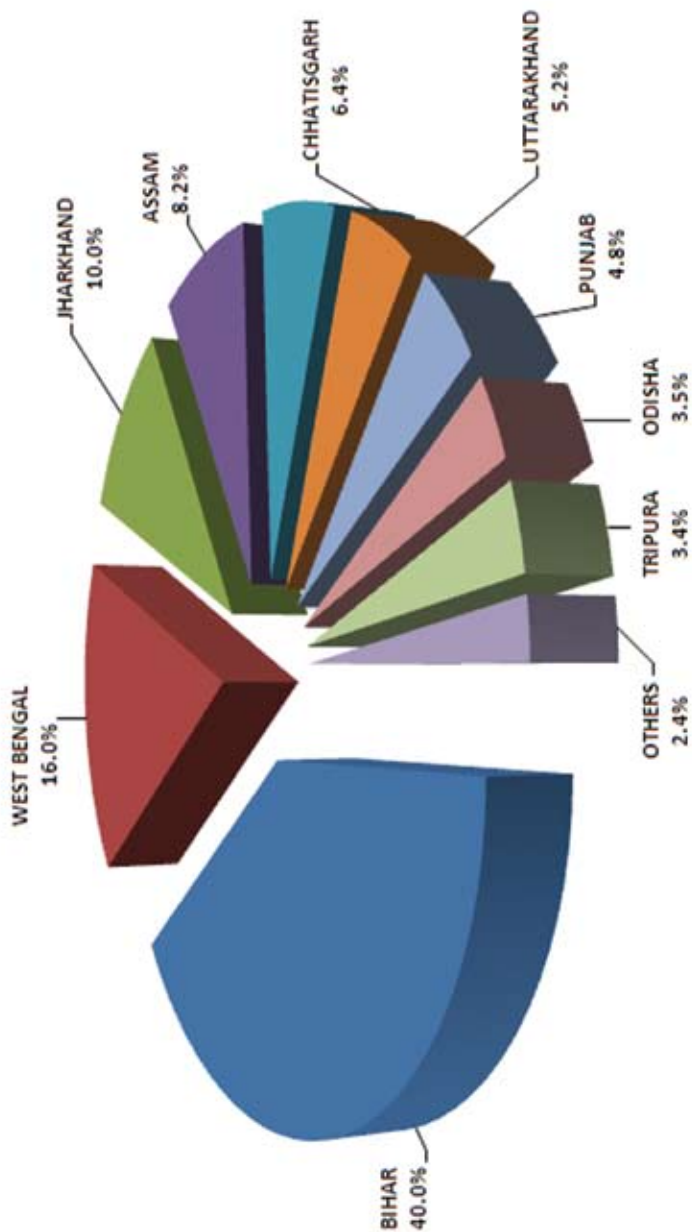
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
BIHAR	31.1	236.4	7.6	31.28	256.43	8.2	31.48	234.20	7.4
WEST BENGAL	8.9	85.3	9.6	9.19	90.00	9.8	9.30	93.90	10.1
JHARKHAND	4.8	57.5	12.0	5.27	58.24	11.0	5.27	58.24	11.1
ASSAM	5.3	41.5	7.8	5.63	49.64	8.8	5.38	48.08	8.9
CHHATISGARH	4.5	27.1	6.0	4.99	30.89	6.2	5.36	37.63	7.0
UTTARAKHAND	9.5	19.0	2.0	9.49	19.16	2.0	9.44	30.71	3.3
PUNJAB	1.7	24.5	14.4	1.75	26.52	15.2	1.85	28.00	15.1
ODISHA	4.5	20.1	4.5	4.46	20.26	4.5	4.47	20.32	4.5
TRIPURA	3.2	16.6	5.2	3.46	17.97	5.2	3.88	20.18	5.2
OTHERS	6.9	10.1	1.5	7.23	10.98	1.5	7.74	14.04	1.8
<b>TOTAL</b>	<b>80.4</b>	<b>538.1</b>	<b>6.7</b>	<b>82.7</b>	<b>580.1</b>	<b>7.0</b>	<b>84.17</b>	<b>585.30</b>	<b>7.0</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING LITCHI PRODUCING STATES (2013-2014)



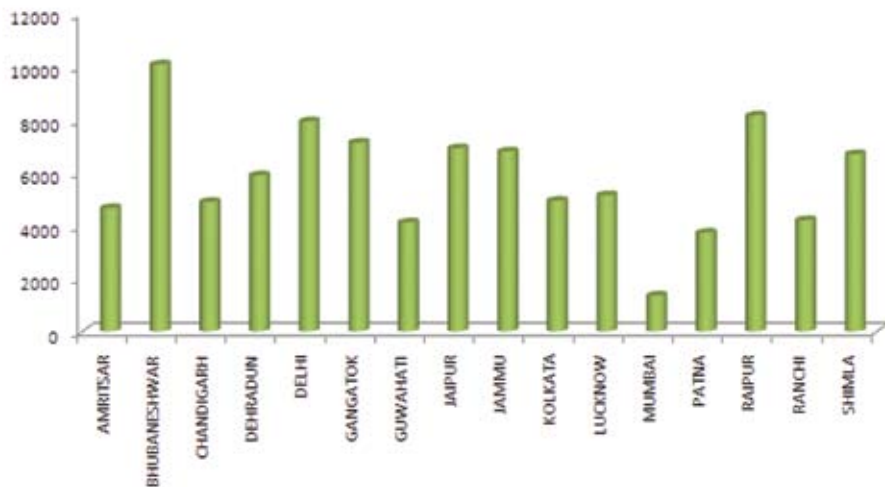
# MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF LITCHI DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./Qtl.  
Total Arrival in M.T.

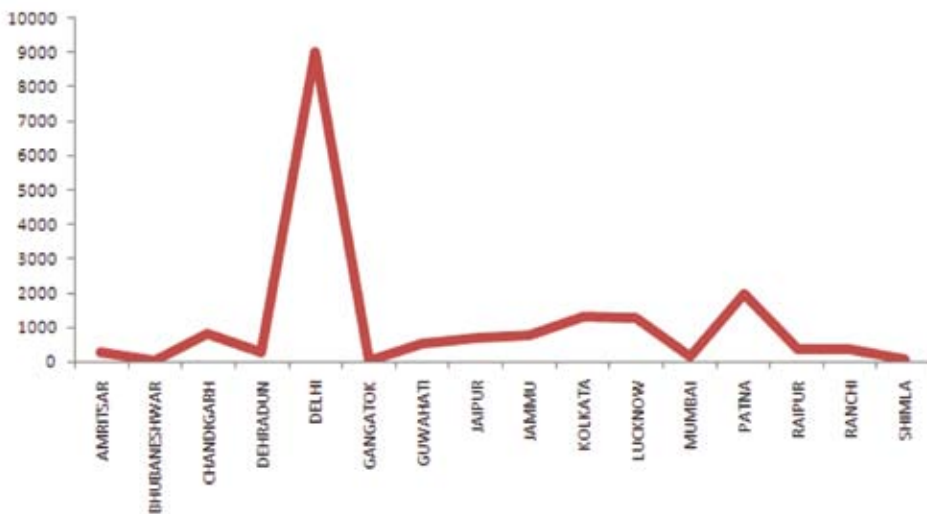
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual	
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival
AMRITSAR	0	0	0	0	0	0	0	0	0	0	0	4646	291	0	0	0	0	0	0	0	0	0	0	0	4646	291
BHUBANESHWAR	0	0	0	0	0	0	0	10417	17	9722	21	0	0	0	0	0	0	0	0	0	0	0	0	0	10070	38
CHANDIGARH	0	0	0	0	0	0	0	4605	165	4910	446	5131	203	0	0	0	0	0	0	0	0	0	0	0	4882	814
DEHRADUN	0	0	0	0	0	0	0	0	0	4956	265	6821	11	0	0	0	0	0	0	0	0	0	0	0	5889	276
DELHI	0	0	0	0	0	0	0	8542	1811	7475	5919	7748	1273	0	0	0	0	0	0	0	0	0	0	0	7922	9003
GANGATOK	0	0	0	0	0	0	0	0	0	0	7120	32	0	0	0	0	0	0	0	0	0	0	0	0	7120	32
GUWAHATI	0	0	0	0	0	0	0	3160	259	5062	283	0	0	0	0	0	0	0	0	0	0	0	0	0	4111	542
JAIPUR	0	0	0	0	0	0	0	7578	316	6241	376	0	0	0	0	0	0	0	0	0	0	0	0	0	6910	692
JAMMU	0	0	0	0	0	0	0	0	0	7967	206	6381	556	6000	7	0	0	0	0	0	0	0	0	0	6783	769
KOLKATA	0	0	0	0	0	0	0	5443	540	4411	762	0	0	0	0	0	0	0	0	0	0	0	0	0	4927	1302
LUCKNOW	0	0	0	0	0	0	0	5739	302	4536	974	0	0	0	0	0	0	0	0	0	0	0	0	0	5138	1276
MUMBAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1350	160	0	0	1350	160
PATNA	0	0	0	0	0	0	0	3325	202	4112	1769	0	0	0	0	0	0	0	0	0	0	0	0	0	3719	1971
RAIPUR	0	0	0	0	0	0	0	8400	271	7875	100	0	0	0	0	0	0	0	0	0	0	0	0	0	8138	371
RANCHI	0	0	0	0	0	0	0	4460	136	3925	235	0	0	0	0	0	0	0	0	0	0	0	0	0	4193	371
SHIMLA	0	0	0	0	0	0	0	0	0	0	6092	38	7275	45	0	0	0	0	0	0	0	0	0	0	6694	83



## Annual Wholesale Average Price Trend of Litchi-2014



## Annual Total Arrival Trend of Litchi-2014





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## MANGO

Origin	- South Asia
Major Producing States	- Uttar Pradesh, Andhra Pradesh, Karnataka, Bihar, Gujarat, Tamil Nadu, Orissa, West Bengal & Jharkhand
Latest Production	- 184.31 Lakh Tonnes
<b>Name of Variety</b>	<b>Recommended Areas</b>
Alphonso	Maharashtra, Goa, Karnataka, Gujarat, Himachal Pradesh, Tamil Nadu, Kerala
Banganapalli	Andhra Pradesh, Kerala, Tamil Nadu, Karnataka, Odisha
Bombay Green	Bihar, Jharkhand, West Bengal, Odisha, Chhattisgarh, Madhya Pradesh, Uttarakhand, Uttar Pradesh, Assam
Chausa	Uttar Pradesh, Uttarakhand, Punjab, Bihar, Jharkhand, Himachal Pradesh, Haryana, Jammu & Kashmir, Rajasthan, Delhi
Dashehari	Uttar Pradesh, Punjab, Uttarakhand, Bihar, Jharkhand, Gujarat, Rajasthan, Haryana, Odisha, Himachal Pradesh, Chhattisgarh, Madhya Pradesh, Jammu & Kashmir, Delhi
Fazli	Uttar Pradesh, Uttarakhand, Bihar, Jharkhand, Madhya Pradesh, Chhattisgarh, West Bengal
Gulab Khas	Bihar, Jharkhand, Uttar Pradesh, Uttarakhand, West Bengal
Himsagar	West Bengal, Bihar, Jharkhand, Odisha, Tripura, Mizoram
Kesar	Gujarat, Maharashtra
Kishen Bhog	West Bengal, Bihar, Jharkhand, Rajasthan
Langra	Uttar Pradesh, Punjab, Uttarakhand, Bihar, Jharkhand, Odisha, West Bengal, Himachal Pradesh, Delhi, Chhattisgarh, Madhya Pradesh, Jammu & Kashmir, Haryana, Rajasthan, Gujarat
Mankurad	Goa, Maharashtra (Ratnagiri)
Neelum	Andhra Pradesh, Tamil Nadu, Karnataka, Kerala, Gujarat
Pairi	Maharashtra, Karnataka, Kerala
Totapuri	Andhra Pradesh, Karnataka, Tamil Nadu, Odisha, Gujarat
Mulgoa	Tamil Nadu, Kerala, Karnataka
Imam Pasand	Andhra Pradesh, Kerala
Suvernarekha	Andhra Pradesh
Vanraj	Gujarat
Zardalu	West Bengal, Bihar
CIHS, Lucknow (Hybrid)	Gujarat, Andhra Pradesh, Karnataka
Ambika	
IARI, Lucknow	
Mallika	Uttar Pradesh, Bihar, Delhi, Jharkhand, Karnataka, Andhra Pradesh, Tamil Nadu, Odisha, Uttarakhand, Haryana, Punjab, Rajasthan, Chhattisgarh, Madhya Pradesh, Kerala, Tripura, Jammu & Kashmir
Amrapali	Uttar Pradesh, Bihar, Delhi, Jharkhand, Andhra Pradesh, Tamil Nadu, Odisha, Madhya Pradesh, Chhattisgarh, West Bengal, Punjab, Uttarakhand, Tripura, Nagaland, Assam, Karnataka, Himachal Pradesh, Haryana, Delhi, Rajasthan, Jammu & Kashmir
Pusa Arunima	Uttar Pradesh, Uttarakhand, Bihar, Jharkhand, Punjab, Andhra Pradesh, Tamil Nadu, Odisha, West Bengal
Pusa Surya	Uttar Pradesh, Bihar, Jharkhand, Andhra Pradesh, Tamil Nadu, Odisha, West Bengal, Punjab, Uttarakhand



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Pusa Lalima	Uttar Pradesh, Delhi, Punjab, Haryana
Pusa Shreshth	Uttar Pradesh, Bihar, Jharkhand, Andhra Pradesh
Pusa Pratibha	All over India
Pusa Peetamber	Uttar Pradesh, Delhi, Punjab, Haryana, Rajasthan
BSKKV, Dapoli, Maharashtra	
Ratna	Maharashtra, Karnataka
Sindhu	Maharashtra, Gujarat
IIHR, Bangalore	
Arka Aruna (Banganapalli x Alphonso)	Andhra Pradesh, Karnataka, Tamil Nadu, Andaman & Nicobar Islands (Port Blair)
Arka Anmol (Alphonso x Janardhan Pasand)	Andhra Pradesh, Karnataka, Tamil Nadu, Andaman & Nicobar Islands (Port Blair)
Arka neelkiran (Alphonso x Neelum)	Andhra Pradesh, Karnataka

### Major Mango Producing Belts in India

<b>Andaman &amp; Nicobar Island</b>	: South Andaman, North & Middle Andaman, Nicobar
<b>Andhra Pradesh</b>	: Srikakulam, West Godavari, Guntur, Nellore, Prakasam, Chittoor, Kadapa, Anantapur, Kurnool, Mahabubnagar, Rangareddy, Medak, Nizamabad, Karimnagar, Warangal, Adilabad, Khammam, Nalgonda
<b>Assam</b>	: Cachar, Karimganj, Kamrup, Marigaon, Golaghat, Sivsagar, Dhemaji
<b>Bihar</b>	: Darbhanga, Bhagalpur, Muzaffarpur, East Champaran, West Champaran, Sitamarhi, Sheohar, Vaishali, Saharsa
<b>Chhattisgarh</b>	: Raipur, Gariaband, Baloda Bazar, Mahasamund, Dhamtari, Durg, Rajnandgaon, Balod, Bemetara, Kabirdham (Kawardha), Mungeli, Bilaspur, Janjgir-Champa, Raigarh, Surguja, Korba, Balrampur, Surajpur, Koriya, Jashpur, Bastar (Jagdalpur), Kondagaon, Narayanpur, Dantewada, Sukma, Bijapur, Kanker
<b>Delhi</b>	: Mehroli, Fatehpur, Bhatti, Andheria Mod
<b>Goa</b>	: All over Goa
<b>Gujarat</b>	: Junagadh, Bhavnagar, Amreli, Valsad, Navsari, Surat, The Dangs
<b>Haryana</b>	: Yamuna Nagar, Ambala, Karnal, Panchkula, Kurukshetra, Panipat
<b>Himachal Pradesh</b>	: Shimla (Rampur), Mandi (Sunder Nagar), Kangra (Dehra, Gopipur, Praggur, Indora), Solan (Kuniyar, Arki), Sirmour (Paonta Sahib, Nahan, Dhoulakuan), Bilaspur (Ghumarwin, Jandutta), Una (Amb, Bangana, Gagret), Hamirpur (Bhoranj, Nadaun)
<b>Jammu &amp; Kashmir</b>	: Jammu, Samba, Kupwara, Kathua, Udhampur, Reasi, Rajouri
<b>Jharkhand</b>	: Ranchi, Gumla, Hazaribagh, Ramgarh, Pakaur, Dumka, Deogarh, Jamtara, Giridih, Sahebganj
<b>Karnataka</b>	: Kolar, Bengaluru, Tumkur, Mysore, Belgaum, Hassan, Dharwad
<b>Kerala</b>	: Palakkad (Muthalamada), Alappuzha (Cherthala, Chengannoor), Thiruvananthapuram (Varkala)
<b>Madhya Pradesh</b>	: Balaghat, Rewa, Satna, Part of Panna, Seoni, Umaria, Katni, Jabalpur, Narsinghpur, Harda, Hoshangabad, Shahdol, Sidhi, Bhopal, Sehore, Guna, Raisen, Vidisha, Sagar, Damoh, Kukshi, Dhar, Betul, Chhindwara, Chhatarpur, Datia, Tikamgarh
<b>Maharashtra</b>	: Ratnagiri, Sindhudurg, Thane, Raigad, Mumbai, Aurangabad, Beed, Hingoli, Jalna, Latur, Nanded, Osmanabad, Parbhani
<b>Mizoram</b>	: South Mizoram
<b>Nagaland</b>	: Kohima, Wokha, Mokochug, Tuensang, Zunheboto, Phek, Kiphire, Longleng, Mon, Dimapur, Peren





Odisha	:	All Districts (Amrapali, mallika), Koraput, Nabaranpur, Rayagade, Kendujhar (Keonjhar), Mayurbhanj, Kandhamal, Debagarh (Deogarh), Sundergarh, Sambalpur, Dhenkanal, Angul, Subarnapur (Sonepur), Cuttack, Puri, Gajapati
Punjab	:	Gurdaspur, Hoshiarpur, Ropar
Rajasthan	:	Chittorgarh, Banswara, Karauli, Dungarpur, Udaipur, Sawai Madhopur, Sirohi
Tamil Nadu	:	Coimbatore, Dharmapuri, Dindigul, Krishnagiri, Madurai, Salem, Theni, Thiruvallur, Thirunelveli, Vellore
Tripura	:	South Tripura (Rajnagar, Bagafa, Sabroom), West Tripura (Bishalgar, Dukli, Melaghar), North Tripura (Kumarghat, Gournagar), Dhalai (Kamalpur, Ambassa)
Tamil Nadu	:	Coimbatore, Dharmapuri, Dindigul, Krishnagiri, Madurai, Salem, Theni, Tiruvallur, Tirunelveli, Vellore
Uttar Pradesh	:	Lucknow (Mal. Malihabad, Kakori, Baxi-ka-Talab), Pratapgarh (Kunda, Kalakankar, Sardar, Mangraura), Allahabad (Chayal, Mooratganj), Bulandshahar (Suana, Unchagaon), Saharanpur (Behat), Faizabad (Masaudha, Sohawal), Varanasi (Chiraigoan), Moradabad (Amroha, Joya, Gajraula), Barabanki (Banki, Deva), Meerut (Khekra, Jhani, Pilana, Shahjahanpur), Unnao (Shafipur, Fatehpur-Chaurasi, Miyanganj, Auras, Hasanganj), Sitapur (Mohmodabad), Hardoi (Shahabad), Gorakhpur, Basti, J.P. Nagar, Mathura
Uttarakhand	:	Nainital, Almora, Udham Singh Nagar, Haridwar, Dehradun, Kotdwar
West Bengal	:	Malda, Murshidabad, 24 Parganas (North & South), Midnapore (West & East), Purulia, Bankura, Birbhum, Bardhaman, Hooghly, Howrah, Nadia, Uttar Dinajpore, Dakshin Dinajpore
Advanced Technology	-	High density planting
Pre-cooling	-	Forced air
<b>Storage Conditions</b>		
Temperature	-	13°C
Relative Humidity	-	85-90%
Storage Period	-	2-3 weeks
Freezing Point	-	-1°C
Sensibility to	-	Refrigeration, Freezing and Ethylene exposure



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## HARVESTING SEASON OF MANGO

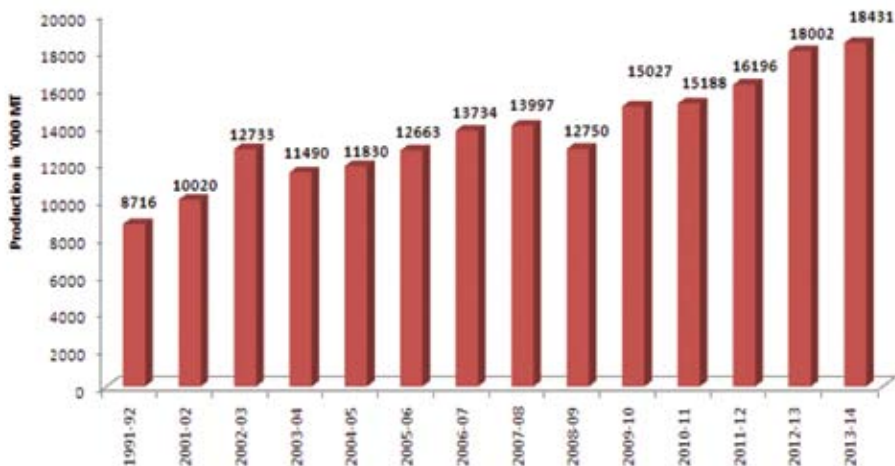
STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
MEGHALAYA												
MIZORAM												
NAGALAND												
ODISHA												
PUNJAB												
RAJASTHAN												
SIKKIM												
TAMIL NADU												
TRIPURA												
UTTAR PRADESH												
UTTARAKHAND												
WEST BENGAL												
ANDAMAN & NICOBAR												
CHANDIGARH												
DADAR & NAGAR HAVELI												
DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												
*INFORMATION NOT AVAILABLE                 ROUND THE YEAR                 PEAK SEASON                 LEAN SEASON												



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF MANGO

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	1077.6	37.5	8715.6	30.4	8.1
2001-02	1575.8	39.3	10020.2	23.3	6.4
2002-03	1623.4	42.9	12733.2	28.2	7.8
2003-04	1906.7	40.8	11490.0	25.2	6.0
2004-05	1970.4	39.7	11829.7	24.0	6.0
2005-06	2080.7	39.1	12663.1	22.9	6.1
2006-07	2154.0	38.8	13734.0	23.1	6.4
2007-08	2201.0	37.6	13997.0	21.3	6.4
2008-09	2309.0	37.8	12750.0	18.6	5.5
2009-10	2312.3	36.5	15026.7	21.0	6.5
2010-11	2297.0	36.0	15188.0	20.3	6.6
2011-12	2378.1	35.5	16196.4	21.2	6.8
2012-13	2500.0	35.8	18002.4	22.1	7.2
2013-14	2516.0	34.9	18431.3	20.7	7.3

## PRODUCTION TREND OF MANGO



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF MANGO

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

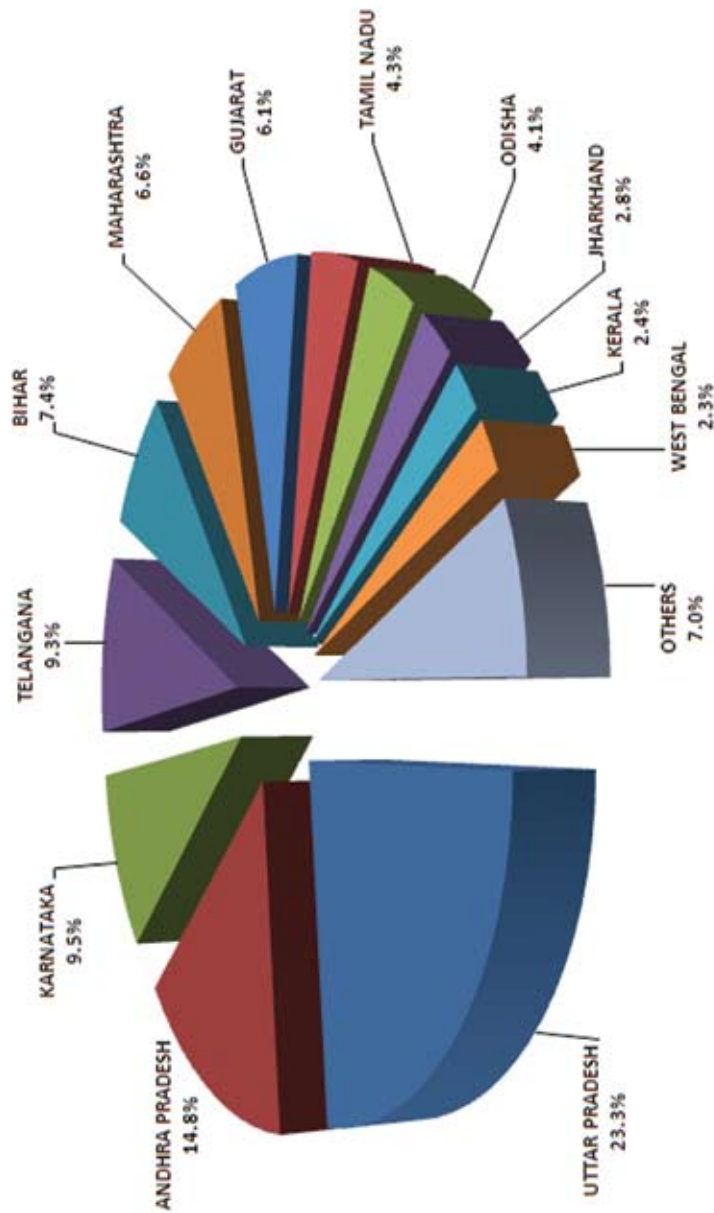
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
UTTAR PRADESH	258.3	3840.8	14.9	274.03	4386.99	16.0	262.16	4300.98	16.4
ANDHRA PRADESH	408.7	3514.8	8.6	489.66	4406.92	9.0	304.11	2737.01	9.0
KARNATAKA	172.4	1868.3	10.8	178.80	1795.10	10.0	180.53	1755.56	9.7
TELANGANA							190.88	1717.88	9.0
BIHAR	147.5	1241.8	8.4	147.74	1363.80	9.2	149.00	1367.57	9.2
MAHARASHTRA	482.0	503.0	1.0	482.00	633.00	1.3	485.00	1212.50	2.5
GUJARAT	136.2	966.0	7.1	141.26	1003.71	7.1	142.69	1125.61	7.9
TAMIL NADU	151.9	889.6	5.9	152.43	714.08	4.7	161.58	785.50	4.9
ODISHA	197.2	715.2	3.6	197.46	753.79	3.8	197.52	751.02	3.8
JHARKHAND	50.3	515.6	10.3	51.33	517.92	10.1	51.33	517.92	10.1
KERALA	63.8	373.2	5.8	74.44	441.03	5.9	74.44	441.03	5.9
WEST BENGAL	90.9	661.5	7.3	92.50	735.00	7.9	93.50	430.71	4.6
OTHERS	218.9	1106.6	5.1	218.37	1251.03	5.7	223.23	1288.04	5.8
<b>TOTAL</b>	<b>2378.1</b>	<b>16196.4</b>	<b>6.8</b>	<b>2500.0</b>	<b>18002.4</b>	<b>7.2</b>	<b>2515.97</b>	<b>18431.33</b>	<b>7.3</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING MANGO PRODUCING STATES (2013-2014)





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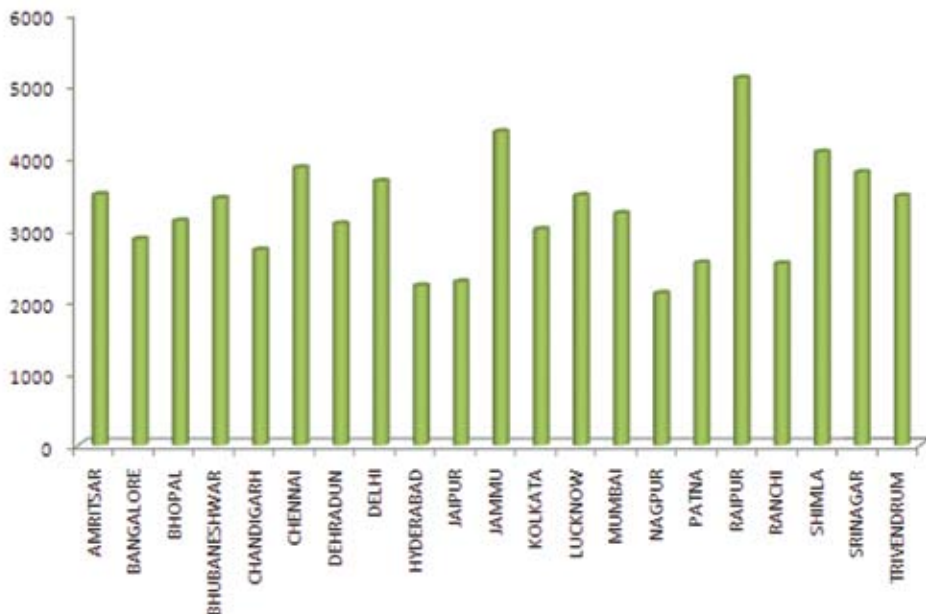
## MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF MANGO DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./Qnt.  
Total Arrival in M.T.

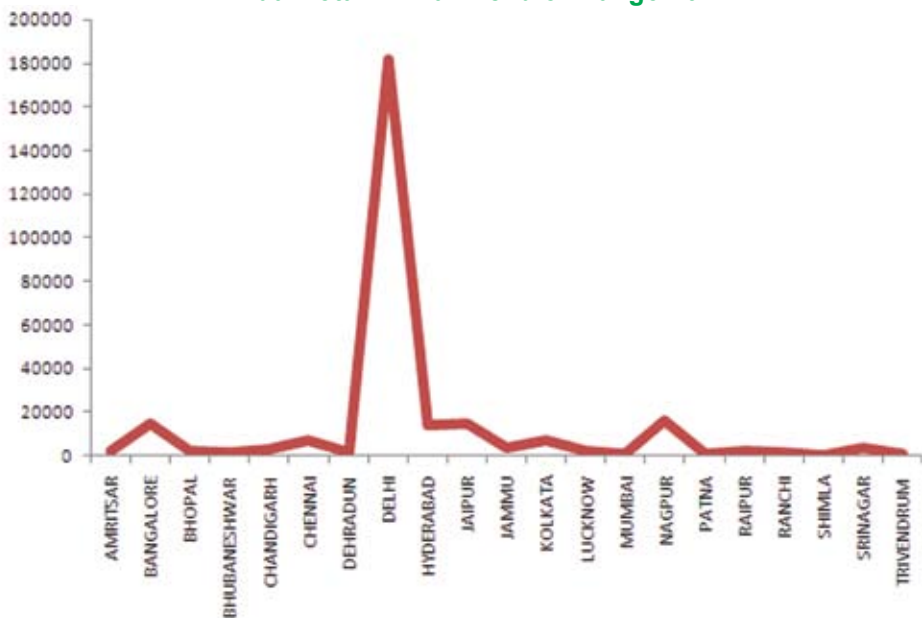
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	
AMRITSAR	0	0	0	0	0	0	3958	242	3248	995	3238	993	0	0	0	0	0	0	0	0	0	0	0	3481	2230
BANGALORE	0	0	0	0	0	0	0	0	2490	2000	2590	0	3500	12960	0	0	0	0	0	0	0	0	0	2860	14960
BHOPAL	0	0	0	0	0	0	0	0	2706	1413	2636	705	4000	18	0	0	0	0	0	0	0	0	0	3114	2136
BHUBANESHWAR	0	0	0	0	0	0	4508	157	3385	613	2802	585	3018	198	0	0	0	0	0	0	0	0	0	3428	1553
CHANDIGARH	0	0	0	0	0	0	3252	824	2350	1225	2529	918	0	0	0	0	0	0	0	0	0	0	0	2710	2967
CHENNAI	0	0	0	0	0	0	0	0	3238	2770	2838	3190	5481	1190	0	0	0	0	0	0	0	0	0	3852	7150
DEHRADUN	0	0	0	0	0	0	3617	268	2828	851	2776	726	0	0	0	0	0	0	0	0	0	0	0	3074	1845
DELHI	0	0	0	0	0	0	3266	14783	2970	45483	3744	53805	4678	67288	0	0	0	0	0	0	0	0	0	3665	181359
HYDERABAD	0	0	0	0	0	0	3272	1095	2058	4587	1729	6873	1800	1651	0	0	0	0	0	0	0	0	0	2215	14206
JAIPUR	0	0	0	0	0	0	3024	2774	2280	7488	1990	4649	1774	300	0	0	0	0	0	0	0	0	0	2267	15211
JAMMU	0	0	0	0	0	0	3925	463	3563	1661	3900	1365	6020	35	0	0	0	0	0	0	0	0	0	4352	3524
KOLKATA	0	0	0	0	0	0	4349	2752	2302	3664	2338	795	0	0	0	0	0	0	0	0	0	0	0	2996	7211
LUCKNOW	0	0	0	0	0	0	4250	363	3138	1568	3017	582	0	0	0	0	0	0	0	0	0	0	0	3468	2513
MUMBAI	0	0	0	0	0	0	4875	18	3842	0	2543	0	2335	981	2494	0	0	0	0	0	0	0	0	3218	999
NAGPUR	0	0	0	0	0	0	2734	6590	1988	8820	1812	890	1900	300	0	0	0	0	0	0	0	0	0	2109	16600
PATNA	0	0	0	0	0	0	0	0	2821	705	2440	75	0	0	0	0	0	0	0	0	0	0	0	2531	780
RAIPUR	0	0	0	0	0	0	9600	19	6189	788	2923	1850	2575	0	4204	0	0	0	0	0	0	0	0	5098	2657
RANCHI	0	0	0	0	0	0	3250	20	2524	1223	1786	690	0	0	0	0	0	0	0	0	0	0	0	2520	1933
SHIMLA	0	0	0	0	0	0	4486	21	4336	95	3938	110	3510	81	0	0	0	0	0	0	0	0	0	4068	307
SRINAGAR	0	0	0	0	0	0	3980	520	3504	1830	3626	1033	4043	130	0	0	0	0	0	0	0	0	0	3788	3513
TRIVENDRUM	0	0	0	0	0	0	4120	77	2480	336	2908	319	4325	3	0	0	0	0	0	0	0	0	0	3458	735



## Annual Wholesale Average Price Trend of Mango-2014



## Annual Total Arrival Trend of Mango-2014







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## PAPAYA

Origin	- South Mexico and Costa Rica.
Major Producing States	- Andhra Pradesh, Gujarat, Karnataka, West Bengal, Madhya Pradesh & Maharashtra
Latest Production	- 56.39 Lakh Tonnes

### Name of Variety

### Recommended Areas

Pusa Delicious	Uttar Pradesh, Bihar, Jharkhand, Uttarakhand, Rajasthan, Himachal Pradesh
Pusa Dwarf	Uttar Pradesh, Bihar, Jharkhand, Uttarakhand, Himachal Pradesh
Pusa Nanha	Tripura, Bihar, Jharkhand
Co-1	Bihar, Jharkhand, Odisha, Uttarakhand, Tamil Nadu, Karnataka, Andhra Pradesh
Co-2	Tamil Nadu, Himachal Pradesh, Chhattisgarh, Madhya Pradesh, Bihar, Jharkhand, Andhra Pradesh, Rajasthan, Odisha
Co-3	Tamil Nadu, Karnataka, Maharashtra, Andhra Pradesh, Andhra Pradesh
Co-4	Tamil Nadu, Karnataka, Maharashtra, Andhra Pradesh, Andhra Pradesh
Co-5	Tamil Nadu, Andhra Pradesh, Andhra Pradesh
Co-6	Tamil Nadu, Bihar, Jharkhand, Andhra Pradesh, Andhra Pradesh
Coorg honey Dew	All over India
Pink Flesh Sweet	All over India
Pant-1	Uttar Pradesh, Uttarakhand
Sunrise Solo	All over India
Taiwan	All over India
IIHR, Bangalore (Hybrid)	
Arka Surya (Sunrise Solo x Pink Flesh Sweet)	Andhra Pradesh, Karnataka, Tamil Nadu, Kerala
Arka Prabhath (Surya x Local Dwarf)	Andhra Pradesh, Tamil Nadu, Karnataka, Kerala

### Major Papaya Producing Belts in India

Andhra Pradesh	:	Kadapa, Anantapur, Kurnool, Mahabubnagar, Nizamabad, Khammam
Assam	:	Kamrup, Barpeta, Sonitpur, Nagaon, Chirang, Karbi Anglong, Dima Hasao
Bihar	:	Patna, Gopalganj, Nalanda, Samastipur, Nawada, Jamui
Chhattisgarh	:	Raipur, Gariaband, Baloda Bazar, Mahasamund, Dhamtari, Durg, Rajnandgaon, Balod, Bemetara, Kabirdham (Kawardha), Mungeli, Bilaspur, Janjgir-Champa, Raigarh, Surguja, Korba, Balrampur, Surajpur, Koriya, Jashpur, Bastar (Jagdulpur), Kondagaon, Narayanpur, Dantewada, Sukma, Bijapur, Kanker
Gujarat	:	Sabarkantha, Banaskantha, Bharuch, Vadodara
Himachal Pradesh	:	Mandi (Sunder Nagar), Kangra (Pragpur, Dehra), Solan (Nalagarh), Sirmour (Nahan, Dhaulakuan), Bilaspur (Ghumarwin, Una, Banganga), Hamirpur (Bhota)
Jharkhand	:	Ranchi, Ramgarh, Hazari Bagh, Ghumla, Lohardaga. Khutee
Karnataka	:	Bengaluru (Rural)
Kerala	:	Palakkad
Madhya Pradesh	:	Balaghat, Jabalpur, Narsinghpur, Hoshangabad, Harda, Bhopal, Sehore, Raisen, Guna, Vidisha, Sagar, Damoh, Bhind, Morena, Kukshi, Dhar
Maharashtra	:	Jalgaon, Amravati, Wardha, Nagpur, Yavatmal, Aurangabad, Akola, Buldana, Nasik, Ahmednagar, Pune



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Manipur	:	Imphal West, Imphal East, Thoubal, Bishnupur, Churachandpur, Chandel
Meghalaya	:	All districts
Mizoram	:	All districts
Nagaland	:	All districts
Odisha	:	Puri, Cuttak, Balangir, Koraput, Kandhamal
Rajasthan	:	Jaipur, Ajmer, Alwar, Tonk, Banswara, Nagaur, Chittorgarh, Sawai Madhopur, Jhalawar, Kota, Sirohi
Sikkim	:	North Sikkim (Phidang Samdong), East Sikkim (Samdong Ralep, Sirwani, Marchack, Nabin, Aho Bashilakha, Padamchey, Pandey), South Sikkim (Dong, Mellidara, Turuk, Turung), West Sikkim (Gyalshing, Kabirthing, Tharpu, Salley, Arigaon)
Tamil Nadu	:	Coimbatore, Erode, Tirupur
		Tripura South Tripura (Udaipur, Amarpur, Belonia, Sebroom), West Tripura (Boxanagar, Mohanpur, Bishalgar, Sonamura), North Tripura (Panisagar, Kadamtala, Kanchanpur, Kailashaher), Dhalai (Kamalpur, Manu, Gandachera)
Uttar Pradesh	:	Lucknow, Raibareilly, Meerut, Sitapur, Varanasi
Uttarakhand	:	Udham Singh Nagar, Haridwar, Kotdwar
West Bengal	:	24 Parganas (North & South), Jalpaiguri, Mushidabad, Nadia, Hooghly, Bankura, Purulia, Midnapore (West & East), Bardhaman
Advanced Technology	-	High density planting
Pre-cooling	-	Forced air

#### Storage Conditions

Temperature	-	10-13°C
Relative Humidity	-	85-90%
Storage Period	-	1-3 weeks
Freezing Point	-	-2 to -1°C
Sensibility to	-	Refrigeration and Ethylene



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## HARVESTING SEASON OF PAPAYA

STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
MEGHALAYA												
MIZORAM												
NAGALAND												
ODISHA												
PUNJAB												
RAJASTHAN												
SIKKIM												
TAMIL NADU												
TRIPURA												
UTTAR PRADESH												
UTTARAKHAND												
WEST BENGAL												
ANDAMAN & NICOBAR												
CHANDIGARH												
DADAR & NAGAR HAVELI												
DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												
*INFORMATION NOT AVAILABLE                 ROUND THE YEAR                 PEAK SEASON                 LEAN SEASON												



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF PAPAYA

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	45.2	1.6	805.3	2.8	17.8
2001-02	73.7	1.8	2590.4	6.0	35.1
2002-03	68.0	1.8	2147.2	4.8	31.6
2003-04	58.2	1.2	1692.1	3.7	29.1
2004-05	73.8	1.5	2535.1	5.1	34.4
2005-06	67.8	1.3	2139.3	3.9	31.6
2006-07	72.0	1.3	2482.0	4.2	34.5
2007-08	83.0	1.4	2909.0	4.4	35.0
2008-09	98.0	1.6	3629.0	5.3	37.0
2009-10	95.7	1.5	3913.5	5.5	40.9
2010-11	106.0	1.7	4196.0	5.6	39.6
2011-12	117.4	1.8	4457.1	5.8	38.0
2012-13	132.2	1.9	5381.7	6.6	40.7
2013-14	133.4	1.8	5639.3	6.3	42.3

## PRODUCTION TREND OF PAPAYA



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

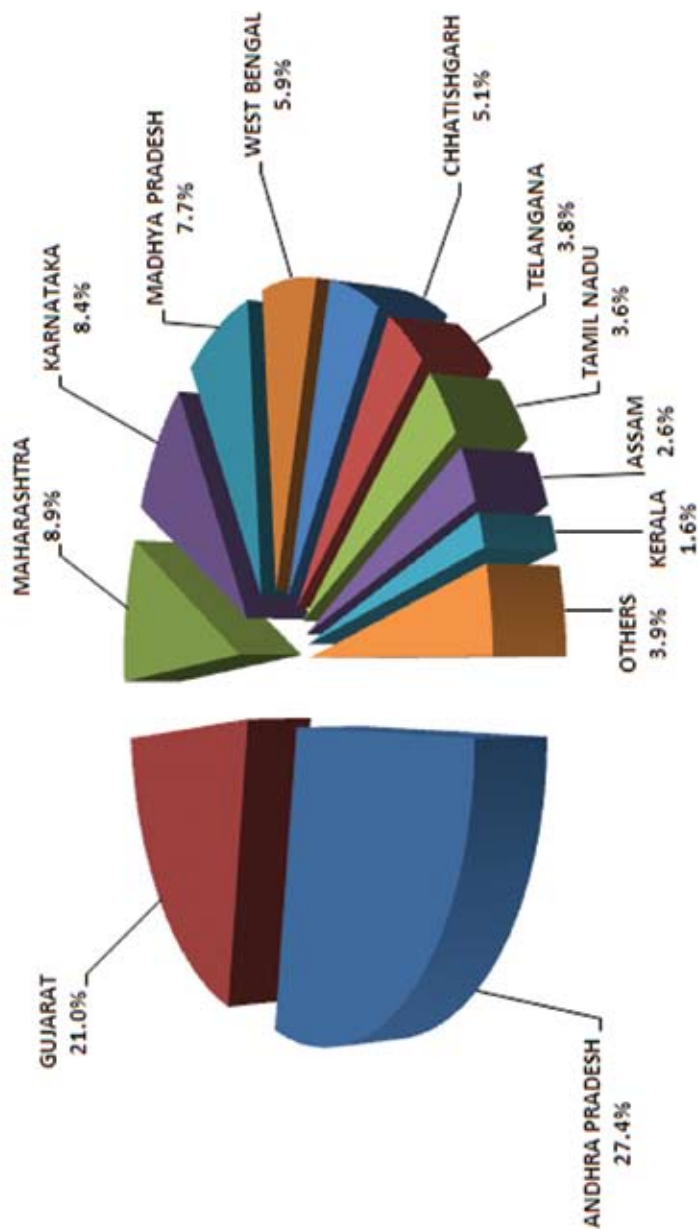
## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF PAPAYA

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
ANDHRA PRADESH	14.9	1189.9	79.9	20.65	1651.96	80.0	19.31	1544.77	80.0
GUJARAT	18.5	1060.9	57.3	19.54	1189.31	60.9	19.59	1185.47	60.5
MAHARASHTRA	9.0	327.0	36.3	10.00	363.00	36.3	11.00	500.50	45.5
KARNATAKA	6.1	439.4	72.0	6.60	460.20	69.7	6.75	475.71	70.5
MADHYA PRADESH	10.4	274.9	26.4	12.54	413.00	32.9	13.16	433.69	33.0
WEST BENGAL	11.2	327.8	29.3	11.30	331.00	29.3	11.40	335.00	29.4
CHHATTISGARH	11.0	268.3	24.4	11.88	289.89	24.4	10.88	286.84	26.4
TELANGANA							2.66	212.88	80.0
TAMIL NADU	0.7	109.2	156.0	0.96	184.24	191.9	1.02	202.67	198.7
ASSAM	8.5	167.9	19.8	8.74	174.59	20.0	7.50	149.14	19.9
KERALA	16.0	98.6	6.2	16.46	96.93	5.9	15.70	89.91	5.7
OTHERS	11.1	193.2	17.4	13.52	227.62	16.8	14.39	222.72	15.5
<b>TOTAL</b>	<b>117.4</b>	<b>4457.1</b>	<b>38.0</b>	<b>132.2</b>	<b>5381.7</b>	<b>40.7</b>	<b>133.36</b>	<b>5639.30</b>	<b>42.3</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## LEADING PAPAYA PRODUCING STATES (2013-2014)



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## PINEAPPLE

Origin	-	American continent, probably Brazil and Paraguay
Major Producing State	-	West Bengal, Assam, Tripura, Karnataka, Bihar, Manipur, Meghalaya & Nagaland
Latest Production	-	17.36 Lakh Tonnes
<b>Name of Variety</b>		<b>Recommended Areas</b>
Kew		Tamil Nadu, Karnataka, Assam, Meghalaya, Nagaland, Manipur, Tripura, Mizoram, Sikkim, Arunachal Pradesh, Andaman & Nicobar Islands (Port Blair), Goa, Odisha, Bihar, Jharkhand
Giant Kew		West Bengal, Goa, Meghalaya
Queen		Tripura, Assam, Meghalaya, Karnataka, Tripura, Bihar, Jharkhand, Nagaland, Manipur, Tamil Nadu, Andaman & Nicobar Islands (Port Blair), Arunachal Pradesh, Odisha, Bihar
Mauritius		Kerala, Odisha, Mizoram, Manipur, Tamil Nadu, West Bengal, Goa

### Major Pineapple Producing Belts in India

Andaman & Nicobar Island	:	South Andaman, North & Middle Andaman, Nicobar
Arunachal Pradesh	:	Lohit, Tirap, East Kameng, Papum Pare, Upper Subansiri, West Subansiri, West Siang, Upper Siang, East Siang, Lower Dibang Valley, Changlang
Assam	:	Kamrup, Karbi Anglong, Cachar, Dima Hasao, Hailakandi
Bihar	:	Kishnaganj
Goa	:	Ponda, Satary (North Goa)
Jharkhand	:	Ranchi, Pakur, Khutee, Ramgarh
Kerala	:	Ernakulam (Moovatupuzha, Kothamangalam), Kottayam (Kanjirapally, Iratupeta, Kaduthururhi), Idukki (Thodupuzha, Elamdesam)
Karnataka	:	Bijapur, Bellary, Koppal, Bagalkot, Belgaum
Madhya Pradesh	:	Balaghat, Bhopal, Sehore, Raisen, Guna, Vidisha, Sagar, Damoh, Bhind, Morena, Shivpuri, Guna, Ratlam, Ujjain, Dhar, Indore, Dewas, Khargone, Kukshi, Jhabua
Manipur	:	Kangpokpi, Thoubal, Churachandpur, Imphal East, Bishnupur, Chandel
Meghalaya	:	Ri Bhoi, East Khasi, Garo Hills, West Khasi Hills, Jaintia Hills
Mizoram	:	Aizawl (Saitual), Lunglei (Vanlaiphai), Chhimtuipei (Saiha Tuipang), Champhai, North, South and West part of Mizoram, Chhimheipui
Nagaland	:	Mokokchung, Wokha, Kohima, Zunheboto, Dimapur, Mon, Tuengchang, Phek, Kiphire, Longleng, Peren
Odisha	:	Gajapati, Rayagada, Kandhamal, Kalahandi
Sikkim	:	North, West, East & South districts of Sikkim
Tamil Nadu	:	Dindigul, Kanyakumari, Namakkal, Virudhunagar
Tripura	:	South Tripura (Kakraban, Matabari, Ampoi), West Tripura (Teliamura, Sonamura, Mohanpur), North Tripura (Nalkatata, Kanchanpur, Pecharthal), Dhalai (Chowmanu, Ambassa)
Uttarakhand	:	Dehradun, Uttarkashi, Bageshwar
West Bengal	:	Darjeeling, Jalpaiguri, Cooch Behar, Uttar Dinajpur, 24 Parganas (North & South), Midnapore (West & East)





Advanced Technology	-	High density planting
Pre-cooling	-	Forced air
Storage conditions		
Temperature	:	7-10° C
Relative Humidity	:	85-95 %
Storage period	:	2-4 week (depending on cultivar & ripening stage)
Freezing point	:	-10° C
Treatment for Quality	-	Pre harvest application of ethephon (500-2000 ppm) at the starting or natural coloring , ensure good fruit quality and in less effective in hot weather.
Sensibility to	-	Refrigeration , Ethylene and Odours



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## HARVESTING SEASON OF PINEAPPLE

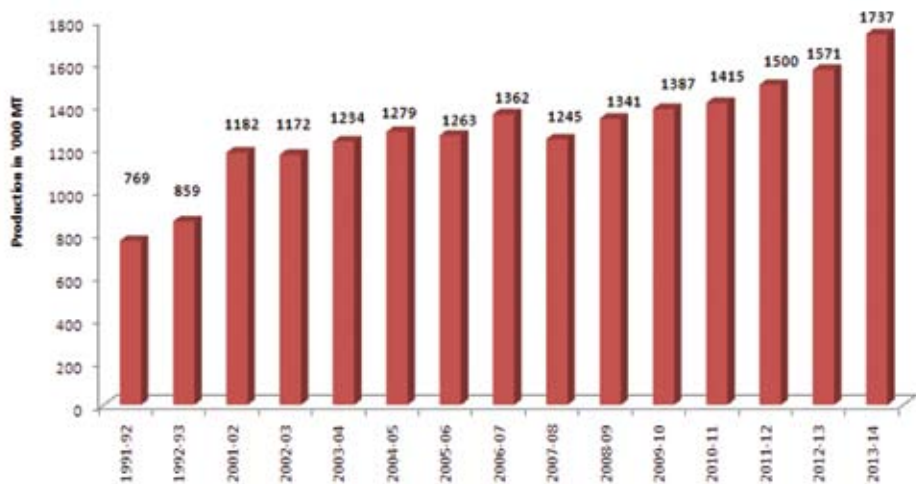
STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
MEGHALAYA												
MIZORAM												
NAGALAND												
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PUNJAB												
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TAMIL NADU												
TRIPURA												
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ANDAMAN & NICOBAR												
CHANDIGARH												
DADAR & NAGAR HAVELI												
DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												
*INFORMATION NOT AVAILABLE <div></div> ROUND THE YEAR <div></div> PEAK SEASON <div></div> LEAN SEASON												



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF PINEAPPLE

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	57.1	2.0	768.5	2.7	13.5
2001-02	77.2	1.9	1182.1	2.7	15.3
2002-03	79.8	2.1	1171.7	2.6	14.7
2003-04	80.9	1.7	1234.2	2.7	15.3
2004-05	82.8	1.7	1278.9	2.6	15.4
2005-06	82.4	1.5	1262.6	2.3	15.3
2006-07	87.0	1.6	1362.0	2.3	15.7
2007-08	80.0	1.4	1245.0	1.9	15.6
2008-09	84.0	1.4	1341.0	2.0	16.0
2009-10	91.9	1.5	1386.8	1.9	15.1
2010-11	89.0	1.4	1415.0	1.9	15.9
2011-12	102.4	1.5	1500.0	2.0	14.7
2012-13	105.2	1.5	1570.6	1.9	14.9
2013-14	109.9	1.5	1736.7	2.0	15.8

## PRODUCTION TREND OF PINEAPPLE



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF PINEAPPLE

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

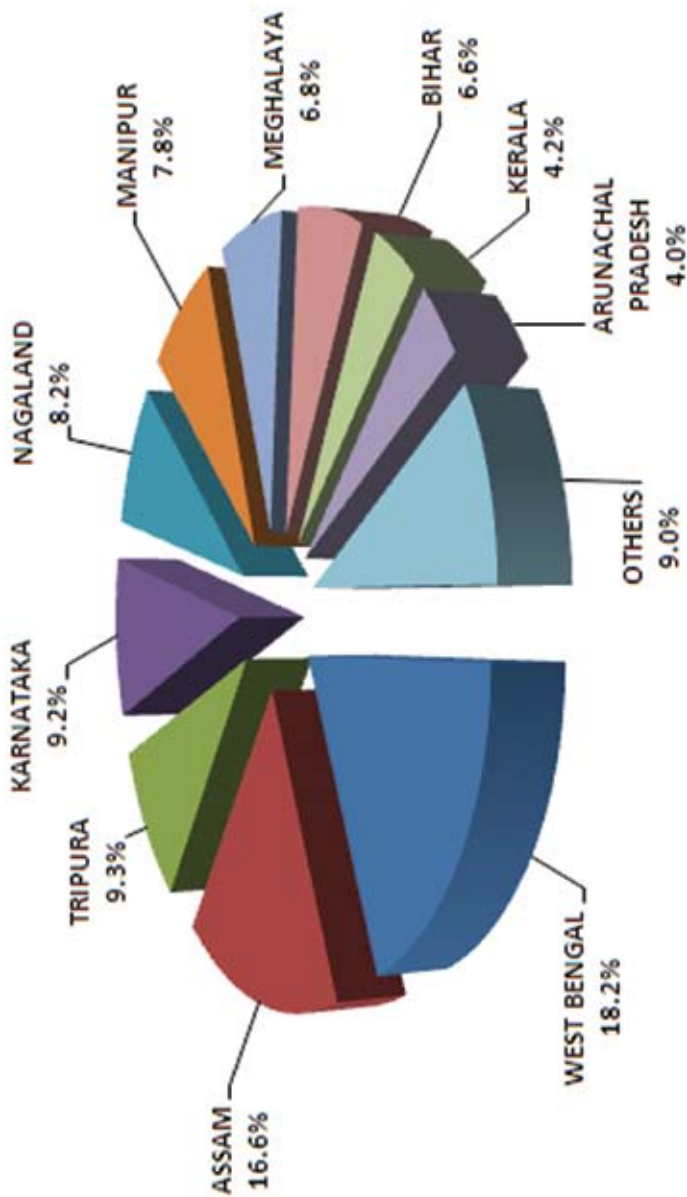
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
WEST BENGAL	10.1	309.9	30.7	10.50	310.00	29.5	10.70	316.00	29.5
ASSAM	14.8	231.4	15.6	16.24	268.82	16.6	16.54	288.60	17.4
TRIPURA	11.6	153.7	13.3	11.84	185.01	13.9	11.59	162.26	14.0
KARNATAKA	2.3	133.9	58.2	2.70	169.30	62.7	2.72	160.31	58.9
NAGALAND	8.9	100.6	11.3	9.00	85.00	9.4	9.50	142.50	15.0
MANIPUR	12.6	116.6	9.3	13.06	124.14	9.5	13.70	136.31	9.9
MEGHALAYA	10.6	112.9	10.7	10.82	109.39	10.1	11.31	117.77	10.4
BIHAR	4.9	131.9	26.9	5.13	139.22	27.1	4.16	113.91	27.4
KERALA	9.8	80.8	8.2	8.54	72.86	8.5	8.54	72.86	8.5
ARUNACHAL PRADESH	11.9	66.8	5.6	12.28	67.58	5.5	12.78	69.61	5.4
OTHERS	4.9	61.5	12.6	5.07	59.27	11.7	8.34	156.61	18.8
<b>TOTAL</b>	<b>102.4</b>	<b>1500.0</b>	<b>14.7</b>	<b>105.2</b>	<b>1570.6</b>	<b>14.9</b>	<b>109.88</b>	<b>1736.74</b>	<b>15.8</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING PINEAPPLE PRODUCING STATES (2013-2014)





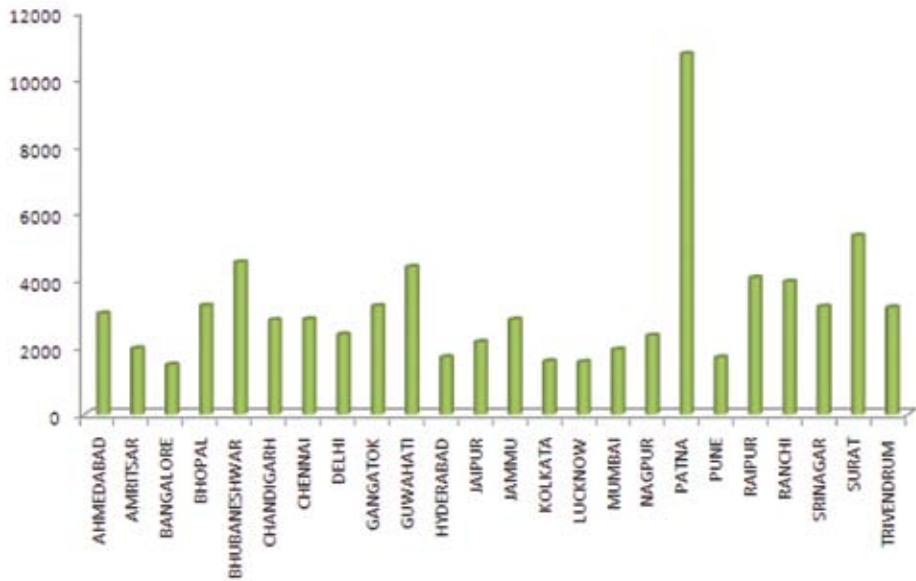
## MONTHLY AVERAGE WHOLESAL PRICE & TOTAL ARRIVAL OF PINEAPPLE DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./00t.  
Total Arrival in M.T.

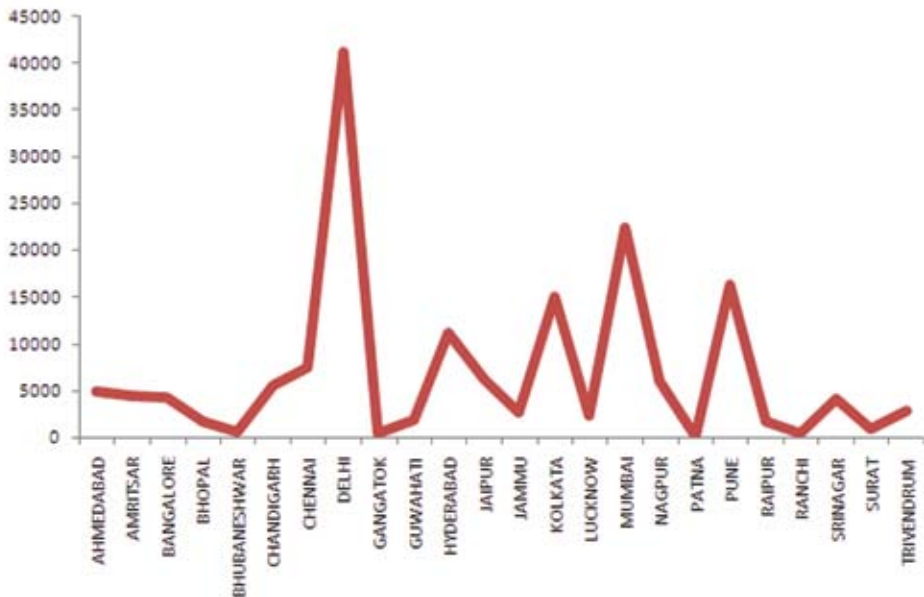
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual	
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival
AMMEDABAD	2460	612	3050	413	3078	483	2993	300	3263	383	2936	426	2842	161	3230	265	3159	323	3054	354	3098	647	2940	532	3009	4909
AMRITSAR	1937	300	1931	332	1918	301	1941	294	2038	414	2158	389	2140	312	2033	443	2115	413	1803	370	1783	464	1825	305	1969	4337
BANGALORE	1360	405	1498	312	1633	330	1543	355	1450	315	1476	345	1940	345	1500	355	1440	350	1393	285	1300	315	1259	475	1483	4187
BHOPAL	2712	157	2810	150	2769	161	3550	119	3444	145	3540	124	3522	123	3424	112	3196	125	3222	107	3285	185	3504	124	3247	1612
BHUBANESHWAR	4440	35	4623	31	4626	33	5027	37	5138	29	4484	40	4102	45	4717	36	4354	45	4322	46	4308	58	4349	59	4541	494
CHANDIGARH	2795	356	2995	418	2979	467	3088	358	3019	360	2917	432	2787	473	2460	510	2733	507	2571	463	2652	653	2794	451	2816	5448
CHENNAI	2800	681	2546	591	2764	596	2532	588	2804	684	2696	680	2781	630	2987	573	2781	635	3157	522	3396	572	2858	635	2842	7397
DELHI	2271	1958	3074	2532	2763	3248	2773	2981	2452	4620	2121	4107	1807	4579	1740	4258	2515	4182	2283	3689	2293	2714	2575	2183	2389	41051
GANGATOK	0	0	0	0	0	0	0	0	3223	27	2396	26	2808	27	2650	44	2863	44	3555	49	3867	44	4500	48	3233	308
GUWAHATI	0	0	0	0	3600	5	3550	6	17000	15	1757	118	1365	1109	1485	574	0	0	0	0	2050	31	0	0	4401	1858
HYDERABAD	1332	1050	1335	910	1361	734	1610	704	1771	897	1395	802	0	0	1793	1419	1890	1600	1985	1083	2045	1116	2277	843	1709	11158
JAIPUR	1365	305	1306	577	1428	508	1900	530	2194	552	2297	482	2842	405	2589	320	2551	427	2504	607	2528	576	2402	809	2159	6098
JAMMU	2577	112	2929	119	2844	130	3018	135	2983	206	2756	113	2815	153	2678	157	2544	497	2842	344	2758	488	3277	152	2828	2886
KOLKATA	1387	692	1442	863	1470	986	1582	844	1804	612	1755	882	1899	1422	1546	2204	1349	2810	1534	1790	1649	924	1611	926	1585	14955
LUCKNOW	1402	201	1411	177	1736	194	1848	109	2064	142	2166	121	1897	162	1410	257	1360	242	1228	271	1148	184	1103	226	1564	2286
MUMBAI	1712	2116	2214	1463	1923	909	2182	1318	2124	1432	2073	1799	1781	2726	2037	1286	2018	1606	1961	1947	1738	2614	1454	3114	1935	22330
NAGPUR	1920	320	1750	466	2304	550	2018	560	2744	970	2272	730	2369	320	2756	340	2490	410	2823	530	2459	300	2277	490	2349	5986
PATNA	0	0	0	0	0	0	11500	10	0	0	0	0	0	0	10000	15	0	0	0	0	0	0	0	0	10750	25
PUNE	1536	1394	1325	1327	1619	1391	2411	1152	1498	1473	1660	1018	1517	1547	1461	1326	2311	1535	2139	1181	1524	1269	1402	1524	1700	16137
RAIPUR	3554	148	4165	84	4314	60	4260	36	4264	78	4145	111	3446	410	3455	280	3755	189	4715	77	4433	59	4416	107	4077	1639
RANCHI	0	0	0	0	9900	8	0	0	0	0	0	0	2071	127	1977	95	1892	128	0	0	0	0	0	0	3960	358
SRINAGAR	0	0	3278	16	3134	22	3209	22	3444	26	3648	72	3676	25	3452	3720	3575	4	3112	51	2433	20	2419	21	3216	3999
SURAT	5440	175	5300	383	5290	222	5300	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5333	834
TRIVENDRUM	2275	406	3525	176	3025	233	4010	243	2906	259	3742	152	4238	177	3666	209	3119	201	3053	166	2205	257	2571	215	3195	2694



## Annual Wholesale Average Price Trend of Pineapple-2014



## Annual Total Arrival Trend of Pineapple-2014







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## POMEGRANATE

Origin	-	Iran and adjoining countries
Major Producing States	-	Maharashtra, Karnataka, Gujarat, Andhra Pradesh, Madhya Pradesh, Tamil Nadu & Rajasthan,
Botanical Name	-	Punica Granatum
Latest Production	-	13.45 lakh Tones

### Name of Variety

### Recommended Areas

Ganesh	Maharashtra, Andhra Pradesh, Gujarat, Tamil Nadu, Uttar Pradesh, Himachal Pradesh
Bhagwa	Maharashtra, Karnataka, Gujarat, Andhra Pradesh, Himachal Pradesh, Uttar Pradesh, Uttarakhand, Gujarat, Rajasthan, Madhya Pradesh
Dholka	Gujarat
G-137	Maharashtra, Andhra Pradesh, Karnataka
Mridula	Maharashtra, Tamil Nadu, Rajasthan
Jyoti	Karnataka, Tamil Nadu, Madhya Pradesh
Jalore Seedless	Rajasthan
Co-1	Tamil Nadu
(Hybrid)	
Ruby	Karnataka, Maharashtra

### Major Pomegranate Producing Belts in India

Andhra Pradesh	:	Nellore, Anantapur, Karnool, Mahabubnagar, Medak, Nalgonda
Chhattisgarh	:	Raipur, Baloda Bazar, Durg, Balod, Jajngir-Champa, Bemetara, Bastar (Jagdalpur)
Gujarat	:	Banaskantha, Patan, Kutch
Himachal Pradesh	:	Shimla (Rampur, Kumarsain), Kullu (Bajaura, Sunder Nagar), Sirmour (Rajgarh), Solan (Nauni, Kandaghat)
Karnataka	:	Bijapur, Bellary, Koppal, Bagalkot, Belgaum
Madhya Pradesh	:	Balaghat, Bhopal, Sehore, Raisen, Guna, Vidisha, Sagar, Damoh, Bhind, Morena, Shivpuri, Ratlam, Ujjain, Dhar, Indore, Dewas, Khargone, Kukshi, Jhabua
Maharashtra	:	Nasik, Sangli, Solapur, Satara, Ahmednagar, Buldhana, Beed, Aurangabad, Washim
Rajasthan	:	Jaipur, Ajmer, Alwar, Tonk, Sriganganagar, Kota, Jodhpur, Pali, Jalore, Banswara, Sawai Madhopur, Bhilwara, Jhunjhunu, Sirohi
Tamil Nadu	:	Coimbatore, Dindigul, Namakkal, Tirunelveli
Uttarakhand	:	Dehradun, Uttarkashi, Bageshwar
Uttar Pradesh	:	Lucknow, Jhansi, Varanasi

Advanced Technology	-	
Pre- cooling	-	
Storage conditions		
Temperature	:	11° C
Relative Humidity	:	
Storage period	:	



## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF POMEGRANATE

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

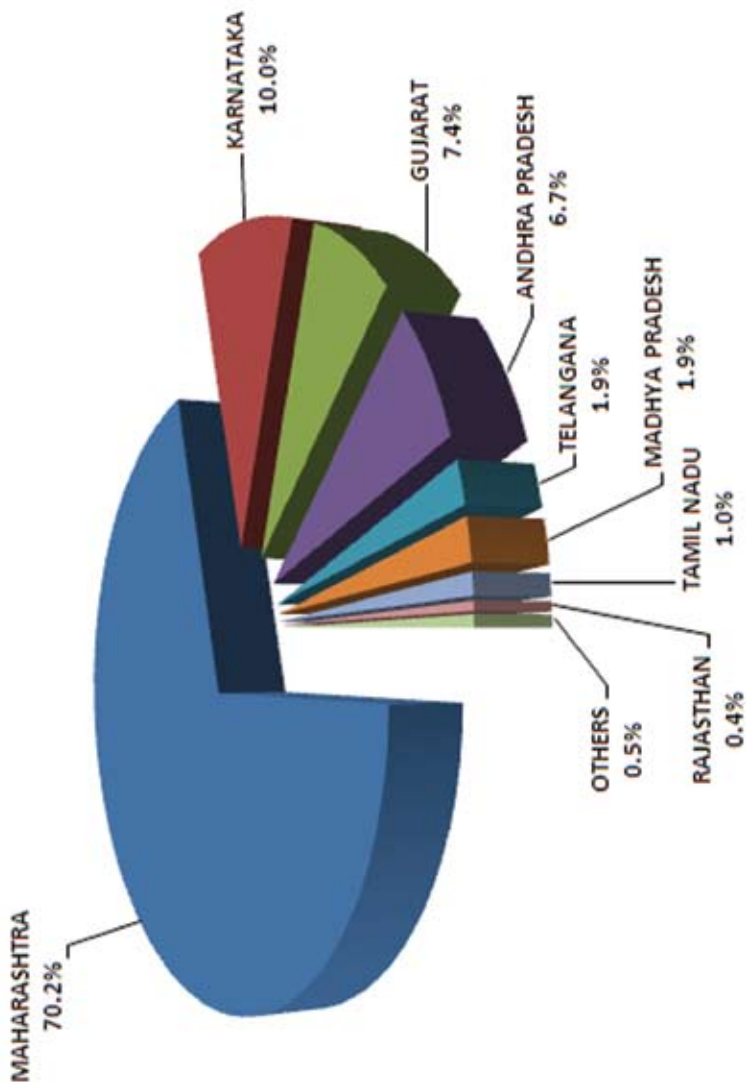
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
MAHARASHTRA	82.0	478.0	5.8	78.0	408.0	5.2	90.0	945.0	10.5
KARNATAKA	15.1	151.7	10.0	15.1	150.3	10.0	16.6	134.2	8.1
GUJARAT	6.2	66.2	10.7	7.4	79.0	10.7	9.4	99.3	10.6
ANDHRA PRADESH	2.9	29.0	10.0	6.2	62.0	10.0	6.0	90.0	15.0
TELANGANA							1.7	26.0	15.0
MADHYA PRADESH	2.6	27.5	10.6	2.2	23.0	10.6	2.4	25.3	10.6
TAMIL NADU	0.5	13.2	26.4	0.4	11.9	31.3	0.4	13.1	32.7
RAJASTHAN	0.8	4.7	5.9	1.0	5.5	5.4	0.9	5.6	6.2
OTHERS	2.1	2.1	1.0	3.0	5.2	1.7	3.4	7.2	2.2
<b>TOTAL</b>	<b>112.2</b>	<b>772.4</b>	<b>6.9</b>	<b>113.2</b>	<b>745.0</b>	<b>6.6</b>	<b>130.8</b>	<b>1345.7</b>	<b>10.3</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING POMEGRANATE PRODUCING STATES (2013-2014)



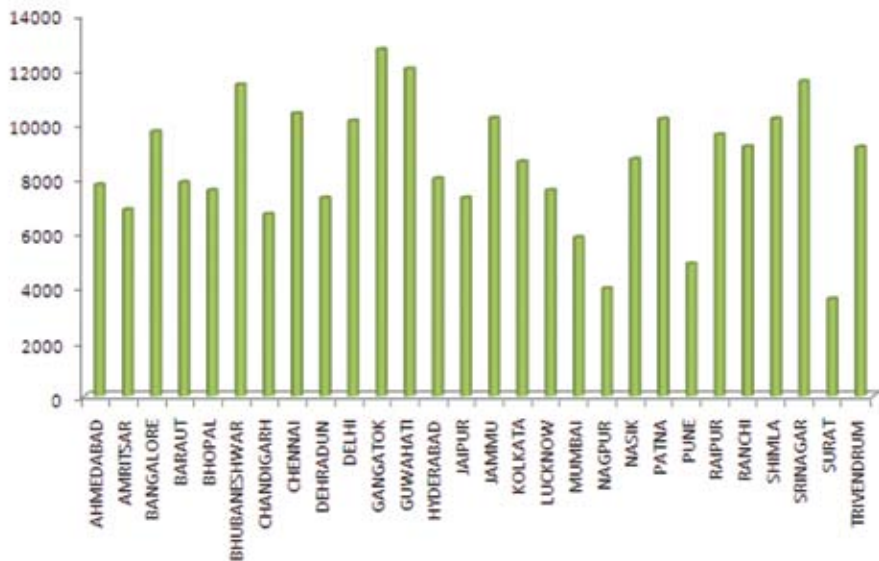
MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF POMEGRANATE DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./Qtl.  
Total Arrival in M. T.

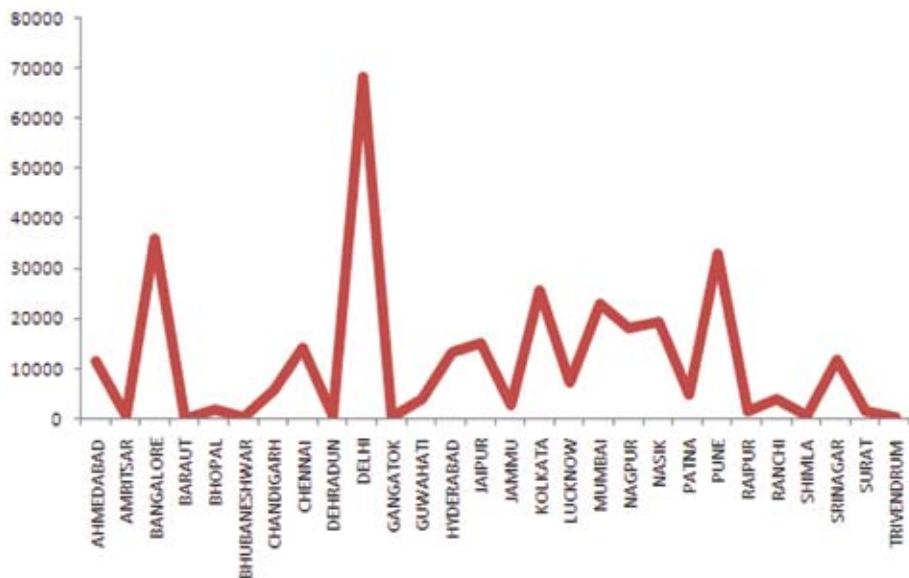
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual	
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival
RAHMEDABAD	8279	1494	10338	757	10033	763	11900	504	11583	451	9957	497	7042	234	5263	1234	4079	1792	4250	1026	4679	969	5875	1746	7773	11467
AMRITSAR	8577	63	9879	59	9441	52	8327	84	0	0	0	0	0	0	4354	92	4263	85	4719	63	4578	83	4756	50	6852	35875
BANGALORE	10948	4020	12148	1865	11826	1555	10159	1485	7360	2270	8600	1725	9519	2355	8348	4205	7577	8895	8825	3555	10159	2125	11250	1920	9727	9778
BARAUT	8008	26	7450	21	8120	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7859
BHOPAL	7138	162	7929	144	7381	142	9317	117	8919	146	10220	77	10357	40	6465	161	5073	420	4078	177	6150	177	7754	168	7565	1931
BHUBANESHWAR	13115	33	12813	32	12780	35	11841	30	12231	30	11600	30	12077	36	10313	42	8731	58	11026	47	10630	57	10125	46	11440	476
CHANDIGARH	6748	491	7099	456	7305	411	6563	345	6968	255	7272	233	7041	557	6101	595	6096	835	6125	490	6207	609	6655	544	6682	5821
CHENNAI	11340	1058	12063	802	12140	842	11273	702	9824	1016	10160	1319	10731	1441	9413	1354	8141	1843	9157	1306	10000	1310	10260	1252	10384	14245
DEHRADUN	8477	15	8710	26	8681	26	8513	36	8363	90	0	0	7495	32	6052	103	5800	123	5813	87	5913	48	6416	24	7284	609
DELHI	10587	2622	11804	3201	10136	4243	9952	4637	12725	5290	10577	4559	9541	6638	8423	11705	8492	11585	9902	5057	9961	3966	9288	4670	10116	68383
GANGATOK	10104	34	14750	28	11590	27	11045	25	12769	29	14640	27	14813	24	13158	32	11594	45	11952	47	13272	50	13241	53	12720	420
GUWAHATI	11152	318	10677	324	11476	332	14918	231	15181	323	10445	315	11165	30	11826	232	10038	229	13200	208	12404	515	11546	566	12749	3903
HYDERABAD	10320	761	10522	748	10783	849	8425	886	10000	1045	8762	1203	10565	1482	4607	1306	4629	1850	4759	893	5395	1225	7194	1170	7996	13418
JAIPUR	7754	454	8411	558	8045	876	8072	764	8248	839	8641	673	8516	1161	6745	2060	5537	2719	6252	1523	5909	1255	5274	2169	7284	15051
JAMMU	11385	131	13125	97	13380	115	11523	173	9815	237	9820	140	9654	204	8783	264	7440	451	9016	395	8842	324	9291	185	10215	2716
KOLKATA	9898	1808	10413	1360	9830	1184	8200	2368	8442	1648	9002	1642	7848	2448	8169	2172	6579	3328	8259	2080	8817	2512	8177	3312	8620	25662



## Annual Wholesale Average Price Trend of Pomegranate-2014



## Annual Total Arrival Trend of Pomegranate-2014





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## SAPOTA

Origin	-	Tropical America
Major Producing State	-	Karnataka, Gujarat, Andhra Pradesh, Maharashtra and Orissa & West Bengal
Latest Production	-	17.44 Lakh Tonnes

### Name of Variety

### Recommended Areas

Kalipatti	Maharashtra, Gujarat, Karnataka, Odisha, West Bengal, Madhya Pradesh, Chhattisgarh, Tamil Nadu
Dhola Diwani	Maharashtra, Gujarat
Cricket Ball	Tamil Nadu, Maharashtra, West Bengal, Andhra Pradesh, Karnataka, Haryana, Gujarat, Odisha, West Bengal, Madhya Pradesh, Chhattisgarh
Calcutta round	West Bengal, Odisha
Baramasi	West Bengal
Pala	Andhra Pradesh, Tamil Nadu
Kirthabharti	Andhra Pradesh, Tamil Nadu

### Major Sapota Producing Belts in India

Andhra Pradesh	:	Kadapa, Anantapur, Kurnool
Chhattisgarh	:	Raipur, Durg, Bastar (Jagdalpur), Kondagaon, Baloda Bazar
Gujarat	:	Valsad, Navsari
Haryana	:	Yamuna Nagar, Ambala, Panchkula, Kurukshetra, Karnal
Karnataka	:	Kolar, Bengaluru, Belgaum, Gulbarga, Chickmagalore, Bellary
Madhya Pradesh	:	Balaghat, Chhatarpur, Datia, Tikamgarh, Panna, Shivpuri, Guna, Ratlam, Ujjain, Jhabua, Dhar, Indore, Dewas, Khargone, Kukshi
Maharashtra	:	Thane, Pune, Ahmednagar
Odisha	:	Balasore, Bhadrak
Tamil Nadu	:	Coimbatore, Dharmapuri, Dindigul, Krishnagiri, Madurai, Namakkal, Salem, Theni, Tirupur, Tirunelveli, Vellore, Virudhunagar
West Bengal	:	24 Parganas (South), Midnapore (East)
Advanced Technology	-	Softwood grafting
Pre- Cooling	-	Forced Air
Storage conditions		
Temperature	:	15-20°C
Relative Humidity	:	85-90 %
Storage Period	:	2-3 Weeks
Treatment for Quality	-	Treating Fruit with GA3 at 75 PPM for 3 minutes and stored in 100 gauge polythene with 1.2% vents.
Sensibility to	-	Refrigeration, Ethylene & Odours





## HARVESTING SEASON OF SAPOTA

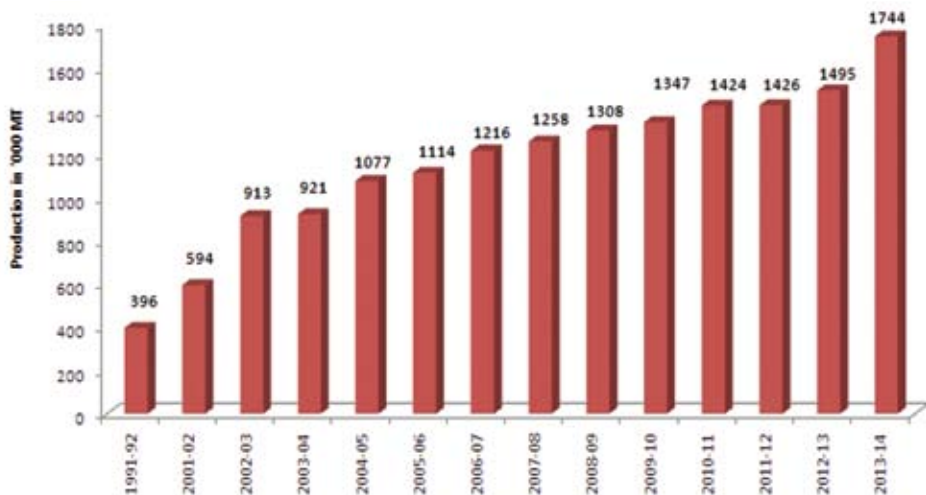
STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
MEGHALAYA												
MIZORAM												
NAGALAND												
ODISHA												
PUNJAB												
RAJASTHAN												
SIKKIM												
TAMIL NADU												
TRIPURA												
UTTAR PRADESH												
UTTARAKHAND												
WEST BENGAL												
ANDAMAN & NICOBAR												
CHANDIGARH												
DADAR & NAGAR HAVELI												
DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												
*INFORMATION NOT AVAILABLE                 ROUND THE YEAR                 PEAK SEASON                 LEAN SEASON												



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF SAPOTA

YEAR	AREA (IN '000 HA)	%OF TOTAL FRT.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL FRT.PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	27.2	0.9	396.2	1.4	14.6
2001-02	52.0	1.3	593.5	1.4	11.4
2002-03	84.2	2.2	913.1	2.0	10.8
2003-04	120.6	2.6	921.3	2.0	7.6
2004-05	134.1	2.7	1076.5	2.2	8.0
2005-06	139.7	2.6	1114.0	2.0	8.0
2006-07	149.0	2.7	1216.0	2.0	8.2
2007-08	152.0	2.6	1258.0	1.9	8.3
2008-09	156.0	2.6	1308.0	1.9	8.4
2009-10	158.9	2.5	1346.8	1.9	8.5
2010-11	160.0	2.5	1424.0	1.9	8.9
2011-12	163.4	2.4	1425.8	1.9	8.7
2012-13	163.9	2.3	1495.0	1.8	9.1
2013-14	177.0	2.5	1744.3	2.0	9.9

## PRODUCTION TREND OF SAPOTA



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF SAPOTA

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

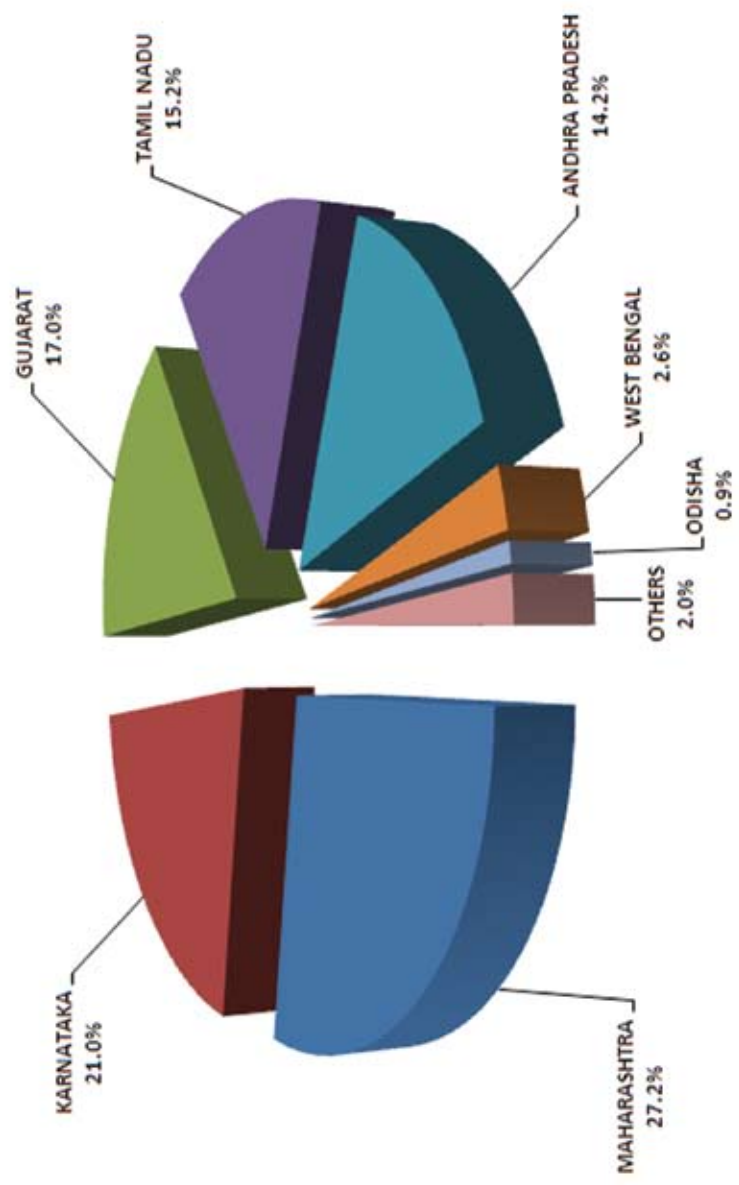
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
MAHARASHTRA	73.0	298.0	4.1	73.0	385.0	5.0	73.0	474.5	6.5
KARNATAKA	30.6	377.3	12.3	31.7	373.3	11.8	31.2	385.7	11.7
GUJARAT	28.8	308.7	10.7	28.8	309.9	10.8	28.6	297.0	10.4
TAMIL NADU	8.8	244.4	27.8	7.6	240.4	31.7	8.1	264.4	32.8
ANDHRA PRADESH	12.8	127.6	10.0	13.2	131.8	10.0	24.8	247.2	10.0
WEST BENGAL	4.1	43.6	10.6	4.2	44.8	10.8	4.2	45.4	10.8
ODISHA	3.4	15.9	4.7	3.4	15.9	4.7	3.4	15.6	4.7
OTHERS	1.9	10.3	5.6	2.1	14.0	6.7	3.8	34.5	9.0
<b>TOTAL</b>	<b>163.4</b>	<b>1425.8</b>	<b>8.7</b>	<b>163.9</b>	<b>1495.0</b>	<b>9.1</b>	<b>177.0</b>	<b>1744.3</b>	<b>9.9</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING SAPOTA PRODUCING STATES (2013-2014)



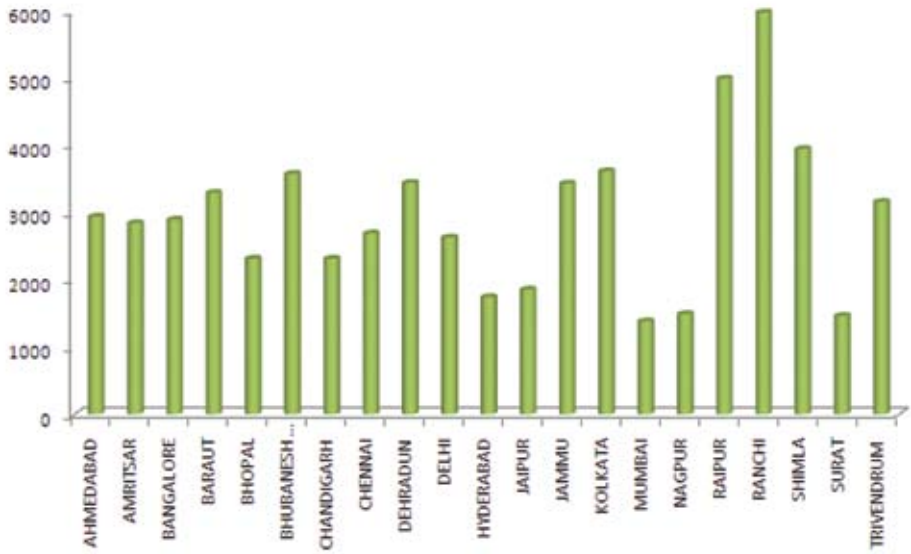
# MONTHLY AVERAGE WHOLESALSAE PRICE & TOTAL ARRIVAL OF SAPOTA DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./Qtl.  
Total Arrival in M.T.

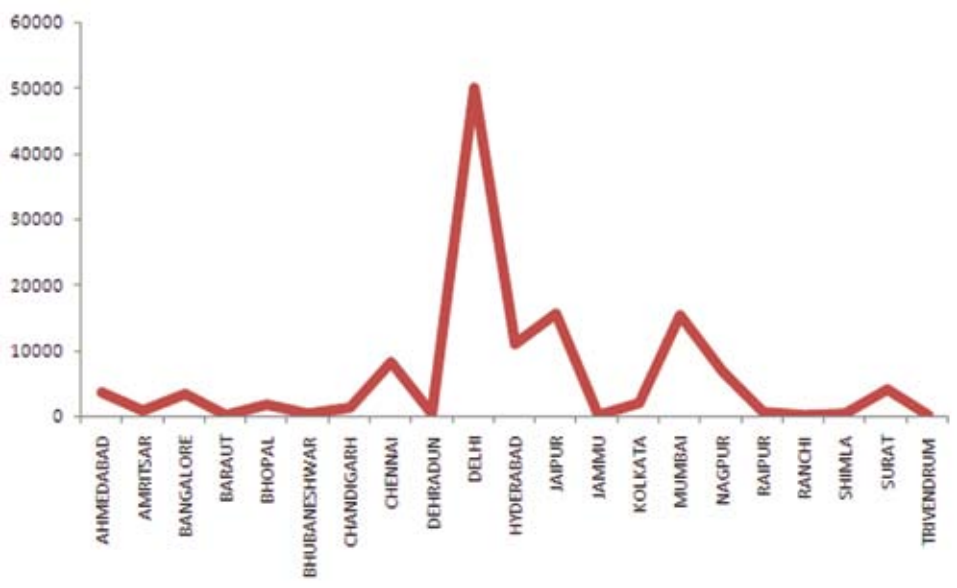
Center name	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Annual
	Price	Price	Price	Price	Price	Price	Price	Price	Price	Price	Price	Price	Price
	Arrival	Arrival	Arrival	Arrival	Arrival	Arrival	Arrival	Arrival	Arrival	Arrival	Arrival	Arrival	Arrival
<b>AHMEDABAD</b>	3019	515 2888	388 1956	705 2133	375 1950	170 1269	55 5288	14 4028	194 3789	440 3458	300 3238	106 2313	182 2944 3444
<b>AMRITSAR</b>	2671	158 2667	214 2740	125 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 3307	164 2846 661
<b>BANGALORE</b>	2524	262 2563	296 2600	252 2711	343 2770	276 2790	282 3625	266 3543	270 3288	284 3288	211 2602	237 2470	307 2898 3286
<b>BARAUT</b>	3354	26 3255	21 3080	23 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 3296 70
<b>BHOPAL</b>	2673	165 2275	146 2633	145 1680	160 1765	177 1881	128 2786	70 2463	121 2613	144 2476	148 2285	126 2280	187 2318 1717
<b>BHUBANESHWAR</b>	3825	28 3467	27 3660	28 3584	23 3929	27 3539	24 0	0 0	0 0	0 0	0 0	0 3046	31 3579 188
<b>CHANDIGARH</b>	2274	284 2402	292 2266	325 2330	226 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 2318 1127
<b>CHENNAI</b>	2588	676 2567	729 2548	842 2768	745 2848	786 2116	901 2685	839 2657	637 2889	548 3104	513 2750	518 2800	520 2683 8254
<b>DEHRADUN</b>	3446	37 3390	44 3327	89 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 3616	30 3445 200
<b>DELHI</b>	2208	5906 2970	5204 2111	9150 1950	10821 2087	5951 2087	869 2948	468 2662	637 2821	1487 3513	858 3661	2281 2587	6365 2634 49997
<b>HYDERABAD</b>	1380	906 1565	807 1409	782 1400	883 1404	926 1386	681 1870	873 1891	1243 2023	746 2132	771 2200	1441 2300	844 1747 10913
<b>JAIPUR</b>	1557	1735 1661	1893 1745	3500 1605	2391 1576	1141 0	0 0	0 0	0 0	0 0	0 2896	680 1976	4102 1859 15452
<b>JAMMU</b>	3377	108 3491	31 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 3434 139
<b>KOLKATA</b>	3823	878 3445	279 3683	156 3070	110 3384	96 3693	33 0	0 0	0 0	0 0	0 0	0 4230	373 3618 1925
<b>MUMBAI</b>	1487	1123 1127	1077 1435	1525 1243	2077 1367	1451 1363	778 1356	959 1330	1290 1446	1330 1445	1426 1485	1195 1567	1193 1388 15424
<b>NAGPUR</b>	1496	521 1491	553 1184	1210 1035	905 1204	560 1080	595 1789	360 1678	250 1435	390 1649	290 2170	270 1740	920 1496 6824
<b>RAIPUR</b>	4712	104 4730	78 4609	69 4794	27 4810	13 0	0 0	0 4733	9 4782	30 5685	59 5917	39 5196	122 4997 550
<b>RANCHI</b>	2156	34 0	0 0	0 0	0 0	0 0	0 9800	16 0	0 0	0 0	0 0	0 0	0 5978 50
<b>SHIMLA</b>	3260	35 4062	21 3452	25 4304	52 4280	28 4340	5 0	0 0	0 0	0 0	0 0	0 0	0 3950 166
<b>SURAT</b>	1860	1105 1640	1195 1318	1475 1050	250 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 1467 4025
<b>TRIVENDRAM</b>	3660	16 3350	15 3098	18 2825	20 3017	14 3185	14 3232	13 0	0 0	0 3194	14 2862	17 3126	14 3165 153



### Annual Wholesale Average Price Trend of Sapota-2014



### Annual Total Arrival Trend of Sapota-2014





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## BRINJAL (EGG PLANTS)

Origin	-	India (Asia)
Major Producing State	-	Orissa, Bihar, Karnataka, West Bengal, Andhra Pradesh, Maharashtra and Uttar Pradesh
Latest Production	-	135.57 Lakh Tonnes
<b>Name of Variety</b>		<b>Recommended Areas</b>
IARI, New Delhi		
Pusa Purple Long		Punjab, U.P., Bihar, Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Pusa Purple Cluster		All over India
Pusa Kranti		Punjab, U.P. and Bihar
Pusa Uttam		Maharashtra and Gujarat
Pusa Bindu		Maharashtra and Gujarat
Pusa Upkar		Punjab, U.P. and Bihar
Pusa Ankur		M.P. and Maharashtra
Pusa Shyamla		Punjab, Uttarakhand and Bihar
DBL-02		Delhi, Punjab and Haryana
Pusa Anupama		Kerala, Tamil Nadu and Karnataka
Pusa Hybrid-5		Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, M.P., Chhattisgarh, Tamil Nadu, Kerala and Karnataka
Pusa Hybrid-6		Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, M.P., Chhattisgarh, Tamil Nadu, Kerala, Karnataka and Andhra Pradesh
Pusa Hybrid-9		Gujarat and Maharashtra
DBHL-20		Punjab, Delhi, Uttar Pradesh and Bihar
IIHR, Bengaluru		
Arka Anand		Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Navneeth		H.P., J&K, Hills of U.P., West Bengal, Assam, Punjab, Tarai region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Sheel		Karnataka, Tamil Nadu and Kerala
Arka Kusumakar		Punjab, Tarai region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
Arka Shirish		Karnataka, Tamil Nadu and Kerala
Arka Nidhi		Karnataka, Tamil Nadu and Kerala
Arka Keshav		Karnataka
Arka Neelkanth		Karnataka
IIVR, Varanasi		
Kashi Sandesh		All over India
Kashi Taru		U.P. and Jharkhand
Kashi Prakash		U.P. and Jharkhand





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Kashi Komal HAU, Hisar	All over India
PH-4	All over India
BR-112	All over India
Hisar Shyamal	All over India
Hisar Pragati	Haryana
Hisar Jamuni	Haryana
HLB-12	Haryana
JAU, Junagadh	
GJB-3	Gujarat
AAu, jorhat, Assam	
JC-1	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura
JC-2	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura
AAU, Anand, Gujarat GBH-1	Punjab, Tarai region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana, Delhi, M.P. and Maharashtra
Oblong Brinjal-1	Middle Gujarat
Anand Brinjal Small Round-2	M.P. and Maharashtra G.B.U.A.&T, Pantnagar
Pant Samrat	All over India
Pant Rituraj	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant Brinjal Hybrid1 MPKY, Rahuri	Hills and plains of U.P. and Uttarakhand
Krishna	Maharashtra
Phule Harit	Maharashtra
Phule Arjun	Maharashtra
TANU, Coimbatore	
CO 1	Tamil Nadu
MDU 1	Tamil Nadu
PKM 1	Tamil Nadu
CO 2	Tamil Nadu
KKM 1	Tamil Nadu
COBH 1	Tamil Nadu
PPI 1	Tamil Nadu
COBH 2	Tamil Nadu
PLR (BR) 2	Tamil Nadu
TNAU Brinjal VRM 1 CSAUAT, Kanpur	Tamil Nadu
Azad B-2	Punjab, Tarai region of U.P., Uttarakhand, Bihar and Jharkhand
Azad B-3	Punjab, Tarai region of U.P., Uttarakhand, Bihar and Jharkhand
Azad B-4	Punjab, Tarai region of U.P., Uttarakhand, Bihar and Jharkhand
Azad Hybrid	Punjab, Tarai region of U.P., Uttarakhand, Bihar and Jharkhand



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### Major Brinjal Growing Belts in India :

Andhra Pradesh	:	East & West Godavari, Krishna, Guntur, Nellore, Kurnool, Anantapur, Srikakulam, Visakhapatnam
Assam	:	All districts of Assam
Bihar	:	Patna, Nalanda, Bhojpur, Buxar, Rohtas, Kaimur, Gaya, Jehanabad, Nawada, Aurangabad, Saran (Chhapra), Siwan, Gopalganj, East Champaran, West Champaran, Muzaffarpur, Sitamarhi, Vaishali, Bhagalpur, Banka, Munger, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Araria, Katihar, Saharsa, Madhepura, Supaul
Chhattisgarh	:	Raipur, Baloda Bazar, Balod, Bilaspur, Gariaband, Durg, Mahasamund, Janjgir-Champa, Jagdalpur, Kabirdham, Raigarh, Surguja, Surajpur, Kondagaon, Korba, Rajnandgaon, Dhamtari, Bemetera, Kanker, Mungeli, Jashpur, Balrampur, Koriya
Gujarat	:	Ahmedabad, Gandhinagar, Dang, Narmada, Patan, Mehsana, Bhavnagar
Haryana	:	Ambala, Yamunanagar, Karnal, Panipat, Sonipat, Rohtak, Gurgaon, Bhiwani, Hisar, Sirsa, Jind, Mewat
Himachal Pradesh	:	Hamirpur, Una, Solan, Kangra, Bilaspur, Kulu
Jharkhand	:	Ranchi (Bundu, Tamar, Mandar, Kanke), Ramgarh, Hazaribagh, Gumla, Dumka, Palamu
Karnataka	:	Kolar, Belgaum, Dharwar, Bijapur, Hassan, Mysore, Tumkur
Kerala	:	Erattupetta (Melukavu, Thidanad, Poonjar Thekketkara, Thalappalam), Kanjirappally (Kootickal, Mundakkayam, Koruthde, Manimala, Erumely)
Madhya Pradesh	:	Jabalpur, Narsinghpur, Damoh, Sagar, Hoshangabad, Chhattarpur, Satna, Vidisha, Raisen, Barwani, Ratlam, Bhopal, Harda, Ujjain, Dewas, Mandsaur, Rewa
Maharashtra	:	Nagpur, Satara, Solapur, Parbhani, Pune, Sangali, Bhandara, Amravati, Wardha, Chandrapur, Latur, Nashik, Dhule, Beed, Aurangabad
Mizoram	:	Aizawl, Khawzawl, Lunglei, Tuidam
Nagaland	:	Dimapur, Wokha
Odisha	:	Puri (Astaranga, Nimapada, Satyabadi), Jaipur (Panikoili, Barabati, Nischintakoili), Cuttack (Banki, Athgarh, Tigris), Keonjhar (Dhenkikote, Jhumpura), Sambalpur (Padiabahal), Koraput (Narayanpatna, Bandhugaon)
Rajasthan	:	Alwar, Bundi, Dholpur, Ganganagar, Jaipur, Jhalawar, Jodhpur, Sawai Madhopur, Tonk, Ajmer, Baran, Hanumangarh, Kota
Tamil Nadu	:	Dindigul, Coimbatore, Dharmapuri, Salem, Theni, Pudukottai, Vellore, Tiruppur
Tripura	:	Major Part of Tripura
Uttar Pradesh	:	Agra, Meerut, Mainpuri, Kanpur, Nager, Lucknow, Gonda, Raebareilly, Hardoi, Banda, Chitrakoot, Mahoba, Firozabad, Bareilly, Etah, Allahabad
Uttarakhand	:	Chamoli, Dehradun, Nainital, Udham Singh Nagar
West Bengal	:	Nadia, Murshidabad, North & South 24 Parganas, Malda, Jalpaiguri, Cooch Behar
Advanced Technology	-	Use of Hybrid seeds, Drip Irrigation
<b>Storage conditions</b>		
Temperature	:	80-120 C
Relative Humidity	:	90-95 %
Storage Period	:	1-2 Weeks
Highest Freezing Point	:	-10°C
Treatment for Quality	-	Integrated Paste Management (IPM)
Sensibility to	-	Refrigeration, Ethylene & Odours

## HARVESTING SEASON OF BRINJAL

[illegible]



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF BRINJAL

YEAR	AREA (IN '000 HA)	%OF TOTAL VEG. AREA	PRODUCTION (IN '000 MT)	%OF TOTAL VEG. PRODUCTION	PRODUCTIVITY (IN MT/HA)
2001-02	502.4	8.2	8347.7	9.4	16.6
2002-03	507.3	8.3	8001.2	9.4	15.8
2003-04	516.4	8.2	8477.3	9.1	16.4
2004-05	526.5	7.8	8600.8	8.5	16.3
2005-06	559.7	8.3	9364.6	9.2	16.7
2006-07	568.0	7.5	9453.0	8.2	16.6
2007-08	561.0	7.1	9678.0	7.5	17.3
2008-09	600.0	7.5	10378.0	8.0	17.3
2009-10	612.0	7.7	10563.0	7.9	17.3
2010-11	680.0	8.0	11896.0	8.1	17.5
2011-12	691.5	7.7	12634.1	8.1	18.3
2012-13	722.1	7.8	13443.6	8.3	18.6
2013-14	711.3	7.6	13557.8	8.3	19.1

## PRODUCTION TREND OF BRINJAL



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF BRINJAL

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

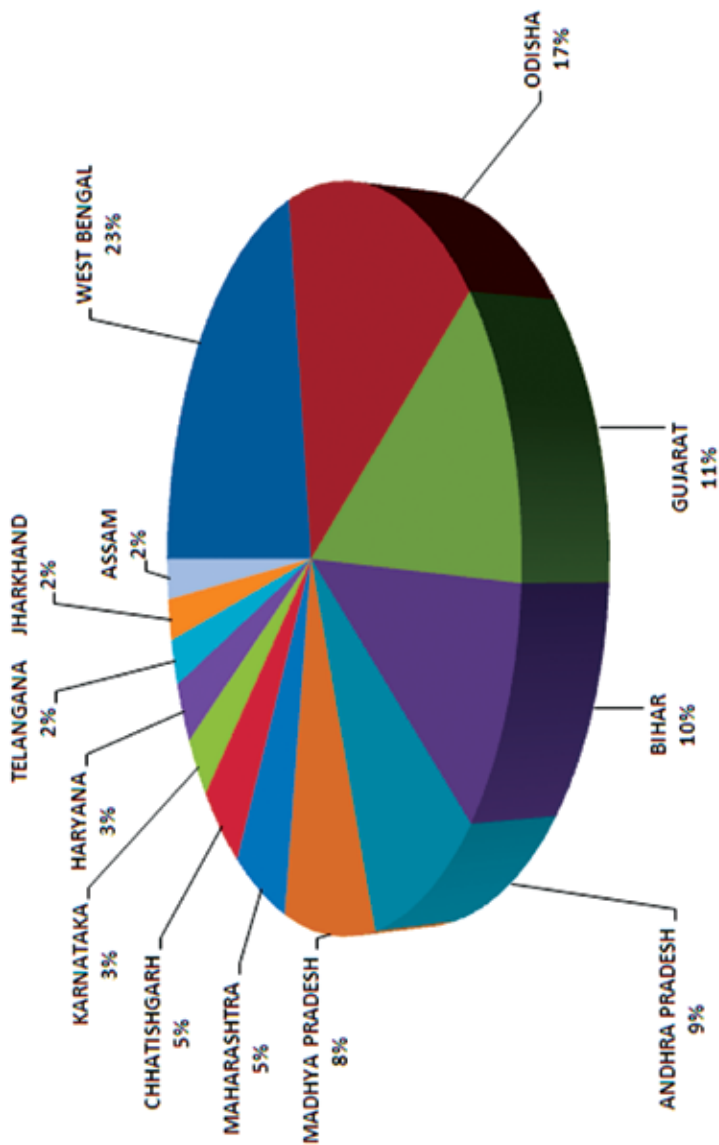
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
WEST BENGAL	160.2	2945.7	18.4	161.0	2965.6	18.4	161.5	2977.0	18.4
ODISHA	130.1	2186.3	16.8	130.1	2193.7	16.9	125.2	2158.3	17.2
GUJARAT	73.1	1270.6	17.4	76.8	1341.1	17.5	76.0	1477.0	19.4
BIHAR	56.1	1271.5	22.7	56.2	1291.5	23.0	57.5	1240.5	21.6
ANDHRA PRADESH	76.3	1524.9	20.0	80.8	1615.3	20.0	58.0	1180.5	20.0
MADHYA PRADESH	30.8	532.5	17.3	40.7	1016.0	25.0	42.7	1066.7	25.0
MAHARASHTRA	25.0	525.0	21.0	26.0	578.0	22.2	30.0	690.0	23.0
CHHATISHGARH	28.5	502.9	17.6	31.2	545.7	17.5	33.1	586.0	17.7
KARNATAKA	17.1	438.1	25.6	16.1	421.4	26.2	15.8	402.5	25.4
HARYANA	17.8	281.5	15.8	18.3	302.9	16.6	19.0	400.8	21.1
TELANGANA							15.1	302.3	20.0
JHARKHAND	22.7	295.0	13.0	24.2	297.1	12.3	21.2	272.5	12.9
ASSAM	16.5	260.1	15.8	16.8	267.9	15.9	17.0	270.7	15.9
OTHERS	37.5	600.0	16.0	43.9	607.4	13.8	38.2	553.1	14.1
TOTAL	691.6	12634.2	18.3	722.1	13443.6	18.6	711.3	13557.8	19.1

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING BRINJAL PRODUCING STATES (2013-14)





## MONTHLY AVERAGE WHOLESale PRICE & TOTAL ARRIVAL OF BRINJAL DURING THE PERIOD OF JANUARY TO DECEMBER-2014

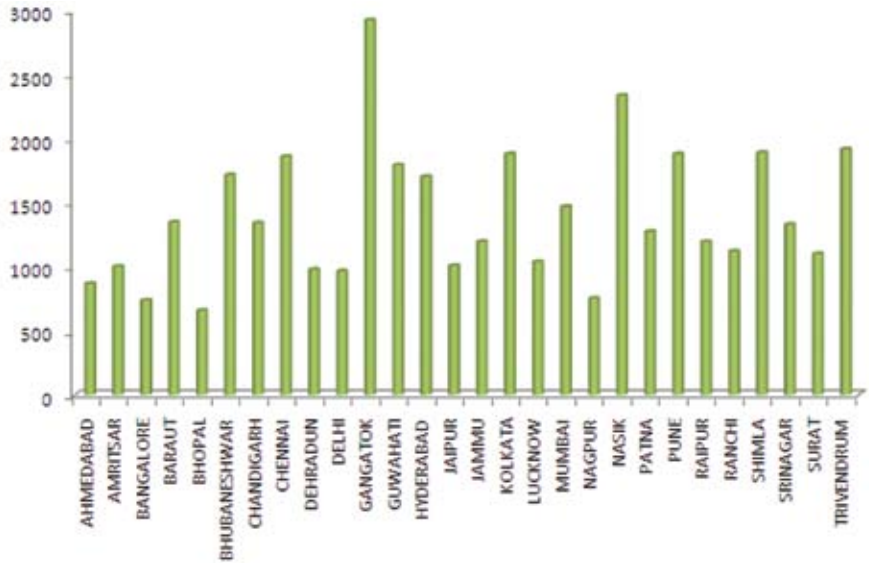
Average wholesale price in Rs./Qtl.  
Total Arrival in M.T.

Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual		
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival			
AMHEDABAD	415	2393	374	1920	440	1645	364	795	682	506	1050	590	578	1224	1340	965	2048	784	897	1819	893	1992	1352	1767	889	16400	
AMRITSAR	965	305	923	367	1020	298	947	321	802	507	692	426	1100	265	1206	399	1296	341	1150	317	905	443	1026	277	1003	4266	
BANGALORE	460	331	439	381	467	337	539	310	454	357	626	372	1669	367	650	389	727	611	600	478	1336	401	900	641	739	4975	
BARAUT	1223	36	1335	20	1482	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1350	80	
BHOPAL	444	749	386	778	556	506	529	464	508	757	846	665	566	562	1040	254	1170	434	609	556	663	506	794	633	659	6864	
BHUBANESHWAR	1698	252	1595	186	1457	184	963	154	1063	109	2467	7	0	0	2631	121	2276	294	1666	374	1473	465	1611	429	1717	2575	
CHANDIGARH	1209	569	1442	592	1530	2766	1305	528	1239	587	1315	468	1355	687	1319	651	1520	669	1277	665	1116	811	1502	595	1344	9588	
CHENNAI	1157	1011	1267	1141	1250	1094	1218	1074	1760	992	1988	1088	2185	1135	2170	1068	1895	1219	2358	1021	3027	824	2088	961	1863	12628	
DEHRADUN	589	364	826	192	924	306	786	318	863	439	775	234	1162	330	1372	311	1233	301	975	284	1101	190	1142	203	979	3472	
DELHI	758	1522	927	2309	1086	3275	666	1752	905	1844	735	1386	1361	1934	1088	2320	1139	2179	944	2035	973	2253	1023	1647	968	24456	
GANGATOK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2129	18	2131	44	2794	40	3752	45	3835	55	2928	202	
GUWAHATI	910	464	974	362	1220	310	1308	318	1671	218	1702	387	2603	281	2423	201	2650	201	2467	184	2129	403	1481	595	1795	3924	
HYDERABAD	0	0	0	0	0	0	0	0	0	0	1000	40	0	0	1770	1120	2020	1765	1697	1796	1756	1842	1981	1460	1704	8023	
JAIPUR	763	389	838	390	1026	494	885	435	846	344	888	372	911	366	927	342	1097	340	1334	270	1231	505	1371	872	1010	5119	
JAMMU	1115	104	1244	129	1286	256	982	273	785	394	722	357	1338	164	1265	227	1542	570	1480	266	1274	165	1314	196	1196	3101	
KOLKATA	1403	367	1495	298	1567	277	1838	129	1960	129	2445	144	3523	182	2449	316	1908	519	1836	492	1225	588	937	753	1882	4194	
LUCKNOW	902	281	1133	244	1524	166	703	803	987	530	921	444	1136	498	694	608	1082	541	1178	366	1159	360	1064	829	1040	5670	
MUMBAI	779	1552	923	1064	875	1028	945	1007	1080	1325	1911	861	1479	1831	1763	1815	1783	1732	1384	1420	2281	1190	2442	1528	1470	16353	
MAGPUR	454	1960	391	1520	515	1830	618	1100	506	1840	787	1130	566	995	968	450	1045	830	1081	390	1163	750	955	1370	754	14165	
NASIK	1038	1098	1333	832	1216	672	1471	496	1142	552	2740	308	2642	312	3374	279	3174	356	2786	195	2788	369	4353	496	2338	5965	
PATNA	951	725	1566	265	1953	576	757	860	863	885	886	645	1211	523	1163	580	1427	465	1985	215	1477	715	1065	947	1275	7401	
PUNE	1006	1414	1229	1471	961	1357	1223	999	1548	1569	1969	1383	2260	1724	1668	1263	2457	1578	1888	1209	3542	986	2827	1508	1882	16461	
RAIPUR	807	0	982	0	1086	0	632	0	919	0	924	0	1221	0	1690	0	1682	0	1478	0	1500	0	1406	0	1195	0	
RANCHI	887	636	978	394	1048	601	979	368	974	474	969	388	1151	410	1419	260	1432	456	1228	440	1393	469	1010	588	1122	5484	
SHIMLA	1281	123	1261	113	1800	138	2291	119	1723	162	1639	260	2291	178	2378	150	2184	217	1840	152	1922	143	2109	188	1883	1943	
SHINAGAR	0	0	0	0	0	0	1506	64	1287	74	1206	31	1600	3	1025	80	1600	19	1100	6	0	0	0	0	0	1332	277
SURAT	1484	2130	1064	2790	770	4620	1094	860	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1103	10400	
THIRUVENDRUM	1098	379	1402	329	1409	279	1583	259	2008	189	2098	286	2544	225	1767	258	2435	235	2268	224	2774	209	1650	229	1920	3101	

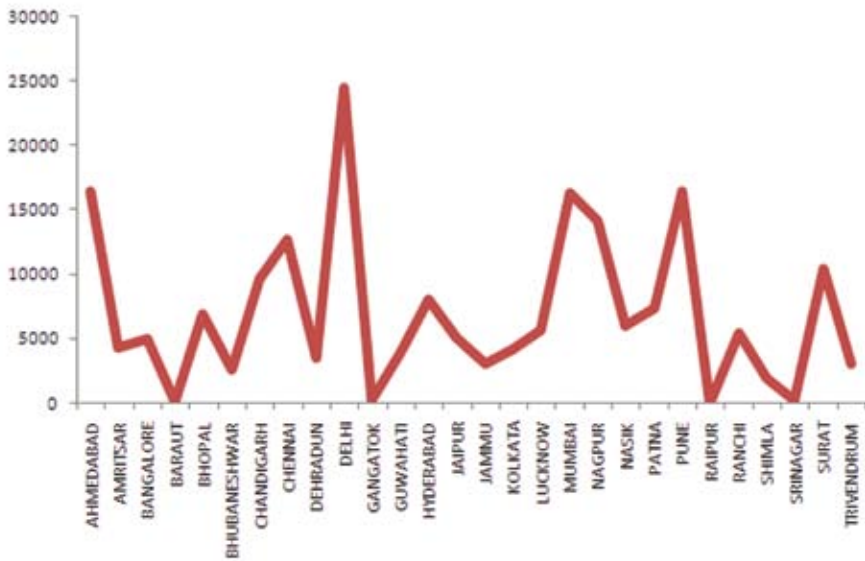




### Annual Wholesale Average Price Trend of Brinjal-2014



### Annual Total Arrival Trend of Brinjal-2014





## CABBAGE

Origin	- Cyprus and around the Mediterranean Coast
Major Producing State	- Uttar Pradesh ,Orissa, Bihar, Assam, West Bengal, Maharashtra & Karnataka
Latest Production	- 90.39 Lakh Tonnes

### Name of Variety

### Recommended Areas

IARI, New Delhi

Pusa Ageti

All over India

Pusa Drum Head

All over India

Golden Acre

All over India

Pusa Mukta

Punjab, U.P., Bihar, W.B. and Assam

KGMR-1

Punjab, U.P., Bihar, H.P. and Uttarakhand

### Major Cabbage Growing Belts in India :

Andhra Pradesh	:	Kurnool, Rangareddy, Chittoor, Guntur
Arunachal Pradesh	:	West Kameng, Twang, Lower Subansiri, Kurung Kumey, Upper Siang, Upper Dibang Valley
Assam	:	All districts of Assam
Bihar	:	Patna, Nalanda, Bhojpur, Rohtas, Gaya, Nawada, Aurangabad, Saran, Siwan, Gopalganj, East Champaran, West Champaran, Sitamarhi, Shoaer, Vaishali, Bhagalpur, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Katihar, Saharsa, Madhepura
Chhattisgarh	:	Gariaband, Baloda Bazar, Mahasamund, Dhamtari, Raipur, Durg, Balod, Bemetara, Jagdalpur, Kondagoan, Kanker, Bilaspur, Janjgir-Champa, Korba, Raigarh, Surguja, Surajpur, Koriya, Balrampur
Gujarat	:	Ahmedabad, Anand, Gandhinagar, Dahod, Panchmahal, Patan, Banaskantha, Mehsana, Sabarkantha
Haryana	:	Ambala, Sonapat, Rohtak, Faridabad, Narnaul, Gurgaon, Fatehabad, Sirsa, Jind, Palwal, Yamunanagar, Kurukshetra, Karnal,
Himachal Pradesh	:	Shimla (Theog, Mashobra), Kullu (Kullu, Bajaura, Banjar)
Jharkhand	:	Lohardaga, Ramgarh, Hazaribag, Gumla, Dumka, Palamu, Ranchi (Pithoria, Chutia, Mandar, Ratu)
Karnataka	:	Haveri, Hassan, Bellary, Dakshin Kannada, Chamarajanagar, Chikmagalur, Mandya, Raichur, Bengaluru Rural, Chikkaballapur, Ramanagara, Davanagere, Mysore, Bidar, Kolar, Belgaum, Dharwad
Madhya Pradesh	:	Jabalpur, Sagar, Tikamgarh, Reeva, Satna, Vidisha, Rajgarh, Indore, Dhar, Barwani, Ratlam, Shajapur, Dewas, Bhopal, Baitul, Chhindwara,
Maharashtra	:	Nasik, Pune, Satara, Chandrapur, Nagpur, Ahmednagar, Sangli
Manipur	:	Ukhrul
Meghalaya	:	All districts of Meghalaya
Mizoram	:	Aizawl, Tuidam, Saiha, Kolashib, Serchhip, Khawzawl
Nagaland	:	Kohima, Wokha, Mokochung, Zunheboto, Tuensang, Phek, Mon, Dimapur
Odisha	:	Cuttack (Athgarh, Banki, Baranga), Puri (Nimapara, Astaranga), Sambalpur



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		(Kuchinda), Dhenkanal (Kamakshyanagar, Shankarpur), Koraput (Patangi, Semiliguda, Lamtaput, Nandapur)
Punjab	:	Patiala (Sanaur, Nabha, Rajpura, Ghanaur), Fatehgarh Sahib (Khamano, Bassi Pathana)
Rajasthan	:	Ajmer, Alwar, Ganganagar, Jaipur, Tonk, Sikar, Jodhpur, Bundi, Bharatpur, Nagaur, Rajsamand
Sikkim	:	North, East, West & South Districts
Tamil Nadu	:	Krishnagiri, Theni, Nilgiris
Tripura	:	West, South, Dhalai & North Districts
Uttar Pradesh	:	Bulandshahar, Unnao, Mainpuri, Gorakhpur, Meerut, Etah, Agra, Mathura, Aligarh, Faizabad, Lucknow, Gonda, Firozabad, Pratapgarh
Uttarakhand	:	Dehradun, Haridwar, Nainital, Tehri, Champawat
West Bengal	:	Paschim Medinipur, South 24 Parganas, North 24 Parganas, Nadia, Murshidabad
Advanced Technology	-	Use of Hybrid seeds.

#### Storage conditions

	Frersh (Air)	CA (3%O <sub>2</sub> +5%Co <sub>2</sub> )
Temperature	: 0° C	0° C
Relative Humidity	: 98-100%	95-98%
Storage Period	: 3-6 Weeks	---
Freezing Point	: -1°C	---
Treatment for Quality	- GA3 (25ppm)	
Sensibility to	- Refrigeration, Ethylene & Odours	

## HARVESTING SEASON OF CABBAGE

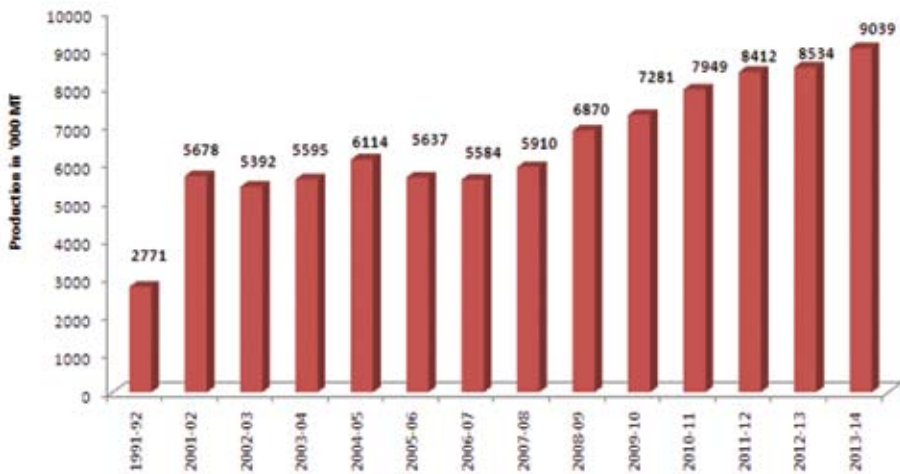
STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH	Peak	Lean									Peak	Lean
ARUNACHAL PRADESH												
ASSAM		Peak	Lean									
BIHAR		Peak	Lean	Lean							Peak	Lean
CHHATTISGARH			Lean				Lean	Peak	Peak	Peak	Peak	Peak
DELHI												
GOA												
GUJARAT		Peak	Lean							Lean	Lean	Peak
HARYANA			Lean							Lean		
HIMACHAL PRADESH	Lean	Peak	Lean					Lean	Peak	Peak	Peak	Peak
JAMMU & KASHMIR				Peak	Lean	Lean				Peak	Peak	Peak
JHARKHAND	Lean	Lean	Lean	Lean	Lean	Lean	Lean	Lean	Lean	Lean	Peak	Peak
KARNATAKA	Round	Round	Round	Round	Round	Round	Round	Round	Round	Round	Round	Round
KERALA												
MADHYA PRADESH		Peak		Lean	Lean							
MAHARASHTRA		Peak	Lean									Lean
MANIPUR							Peak	Peak		Lean	Lean	
MEGHALAYA							Lean	Peak				
MIZORAM												Peak
NAGALAND	Lean	Peak										
ODISHA		Peak	Peak	Lean							Lean	Peak
PUNJAB		Peak	Peak									Peak
RAJASTHAN			Lean									Peak
SIKKIM	Lean	Lean	Lean			Peak	Peak	Peak	Peak	Peak	Lean	Lean
TAMIL NADU				Lean	Peak						Lean	Peak
TRIPURA												
UTTAR PRADESH												Lean
UTTARAKHAND		Peak	Peak	Peak	Peak	Peak	Peak	Peak	Lean	Lean	Peak	Peak
WEST BENGAL		Peak	Lean						Lean	Lean	Peak	Peak
ANDAMAN & NICOBAR											Peak	Peak
CHANDIGARH												
DADAR & NAGAR HAVELI		Peak	Lean							Lean	Lean	Peak
DAMAN & DIU		Peak	Lean							Lean	Lean	Peak
LAKSHADWEEP												
PUDUCHERRY												
*INFORMATION NOT AVAILABLE		Round	ROUND THE YEAR				PEAK SEASON			LEAN SEASON		



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF CABBAGE

YEAR	AREA (IN '000 HA)	%OF TOTAL VEG.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL VEG. PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	177.3	3.2	2771.2	4.7	15.6
2001-02	258.1	4.2	5678.2	6.1	22.0
2002-03	233.8	3.8	5392.0	6.4	23.1
2003-04	255.1	4.0	5594.6	6.0	21.9
2004-05	287.8	4.3	6113.5	6.0	21.2
2005-06	253.5	3.5	5637.3	5.1	22.2
2006-07	249.0	3.3	5584.0	4.9	22.4
2007-08	266.0	3.4	5910.0	4.6	22.2
2008-09	310.0	3.9	6870.0	5.3	22.2
2009-10	331.0	4.1	7281.4	5.4	22.0
2010-11	369.0	4.3	7949.0	5.4	21.5
2011-12	389.6	4.3	8412.1	5.4	21.6
2012-13	372.4	4.0	8534.2	5.3	22.9
2013-14	400.1	4.3	9039.2	5.5	22.6

## PRODUCTION TREND OF CABBAGE



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF CABBAGE

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

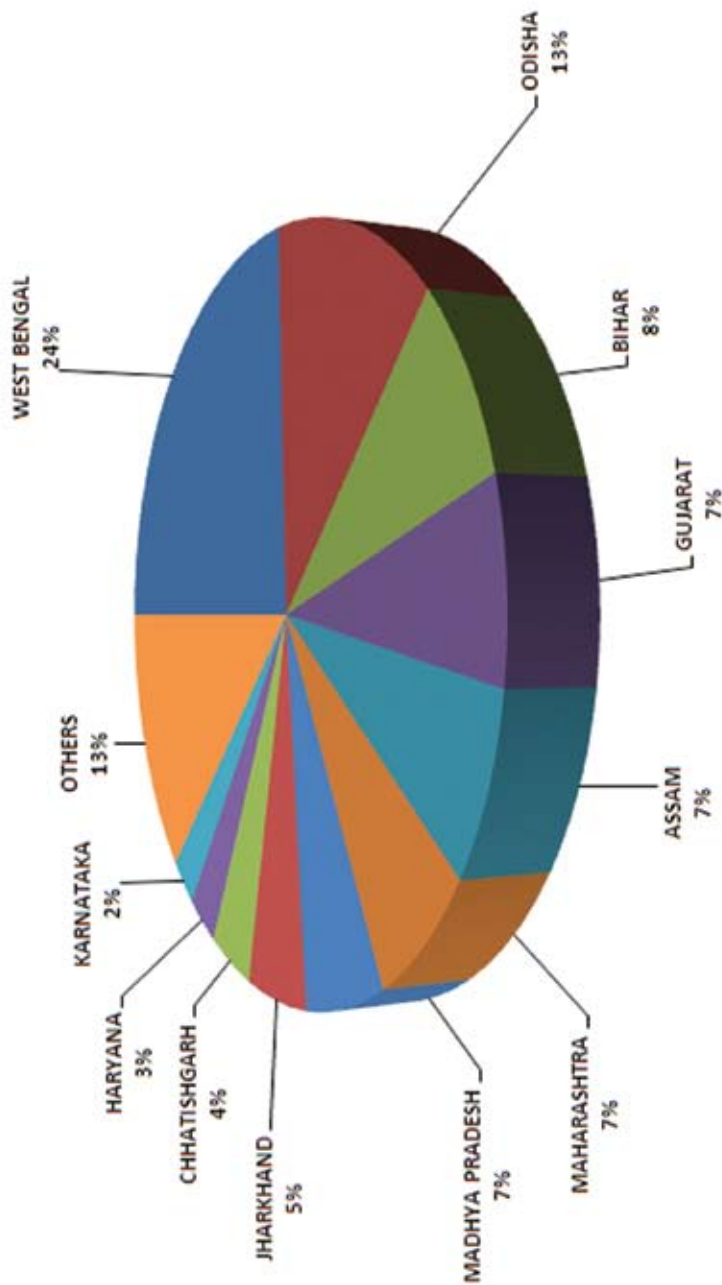
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
WEST BENGAL	76.8	2149.9	28.0	77.8	2179.2	28.0	78.2	2197.4	28.1
ODISHA	41.5	1162.2	28.0	41.0	1148.2	28.0	41.0	1150.9	28.1
BIHAR	39.6	735.0	18.6	39.7	778.5	19.6	40.0	735.0	18.4
GUJARAT	28.2	560.7	19.9	30.9	663.5	21.5	30.4	661.4	21.8
ASSAM	31.0	641.5	20.7	31.6	652.7	20.7	31.7	656.7	20.7
MAHARASHTRA	19.0	383.0	20.2	20.0	421.0	21.1	29.0	640.9	22.1
MADHYA PRADESH	19.0	376.3	19.8	19.3	567.0	29.4	19.7	578.4	29.4
JHARKHAND	28.9	477.1	16.5	31.1	480.2	15.4	30.2	471.3	15.6
CHHATISGARH	15.5	282.0	18.1	16.6	295.5	17.9	18.6	338.6	18.2
HARYANA	14.1	269.8	19.2	14.8	270.4	18.3	14.8	241.1	16.3
KARNATAKA	9.7	194.7	20.1	9.6	209.9	21.9	10.0	212.8	21.2
OTHERS	66.4	1179.9	17.8	40.0	868.1	21.7	56.7	1154.8	20.4
<b>TOTAL</b>	<b>389.7</b>	<b>8412.1</b>	<b>21.6</b>	<b>372.4</b>	<b>8534.2</b>	<b>22.9</b>	<b>400.1</b>	<b>9039.2</b>	<b>22.6</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING CABBAGE PRODUCING STATES (2013-14)







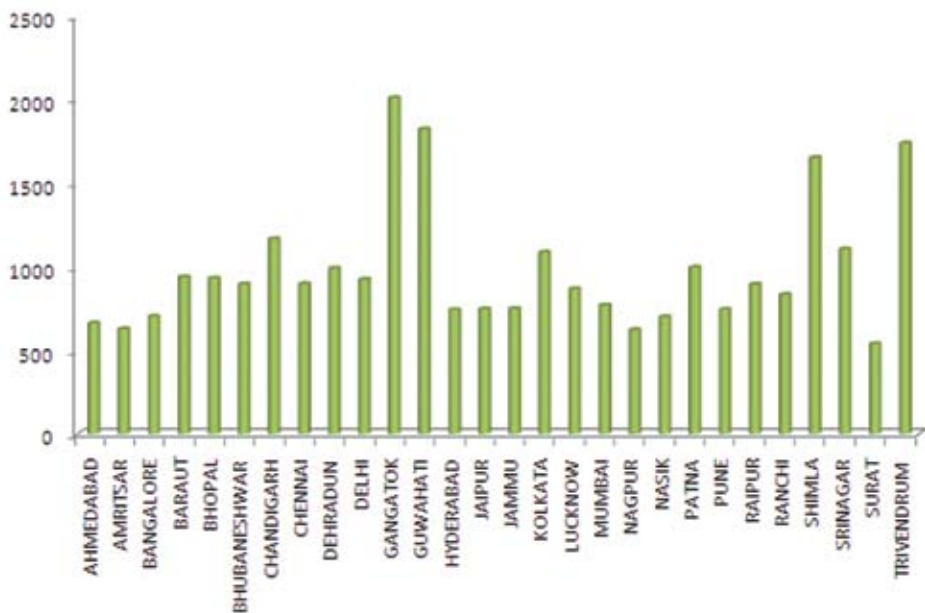
## MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF CABBAGE DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./Qtr.  
Total Arrival in M.T.

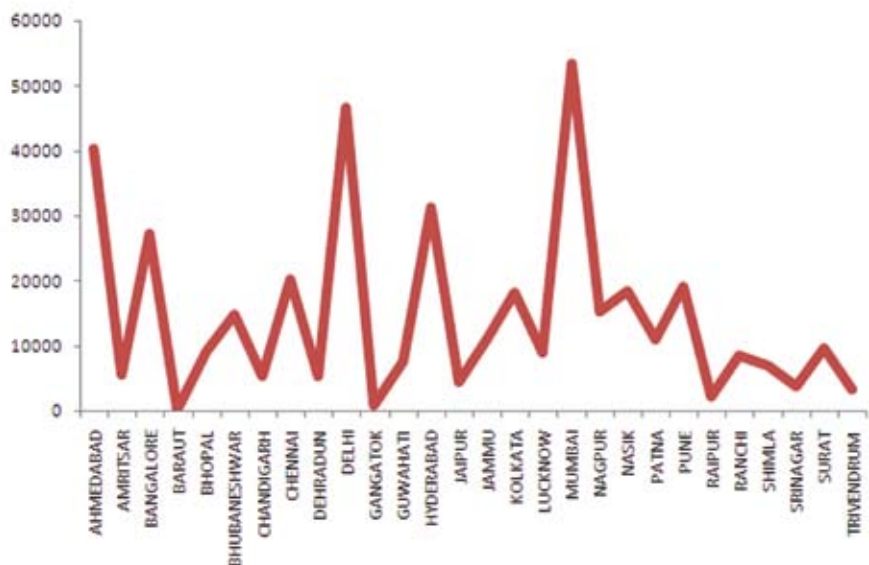
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual	
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival		
AMMEDABAD	343	3689	205	2970	310	2569	423	1937	449	2557	721	3534	1177	3670	1229	3811	1028	4237	643	3756	567	3493	876	4167	664	40370
AMRITSAR	396	539	348	801	350	737	368	795	379	978	0	0	0	0	0	0	0	0	1286	436	984	729	918	590	629	5605
BANGALORE	399	2044	371	2205	370	2079	456	1855	630	2100	996	2100	1340	2296	724	2254	673	3041	570	2373	902	2107	1013	2814	704	27268
BARAUT	823	64	930	45	1067	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	940	154
BHOPAL	542	910	474	932	422	1030	589	663	650	928	938	654	1526	628	1510	627	1478	681	1361	600	865	780	826	854	932	9287
BHUBANESHWAR	650	1680	440	1645	383	888	413	296	771	208	1116	878	1461	1310	1464	1615	1398	1635	1142	1620	788	1450	752	1635	898	14860
CHANDIGARH	602	1020	617	1077	639	854	856	446	0	0	0	0	0	0	0	0	2168	100	1904	412	1183	583	1364	799	1167	5291
CHENNAI	794	1559	700	1611	800	1695	661	1442	800	1680	1062	1677	1054	1835	837	1643	850	1962	869	1758	1200	1754	1367	1641	900	20257
DEHRADUN	546	536	557	312	455	643	459	495	645	339	1063	195	1556	271	1948	347	1744	444	1041	424	922	750	962	623	992	5379
DELHI	655	3463	647	2374	614	2193	354	2008	354	2733	647	4466	1069	5370	1540	4096	1662	5354	1420	4996	869	5233	1263	4354	925	46840
GANGATOK	1377	84	1119	77	1000	84	1045	74	1435	75	1532	70	2271	63	2304	77	2367	44	3156	40	3452	49	3081	67	2012	803
GUWAHATI	519	1035	608	1777	609	488	1344	279	1915	275	2019	397	2640	439	2961	335	3083	314	3110	341	2109	710	975	1129	1824	7519
HYDERABAD	520	3096	473	2876	461	2710	394	2073	454	1109	705	2406	795	2507	1470	2796	1021	4655	1032	2467	900	1890	693	2826	743	31411
JAIPUR	623	542	619	428	576	492	548	324	548	65	0	0	0	0	0	0	0	0	1107	417	947	1245	1019	922	748	4435
JAMMU	556	1120	600	949	542	1188	445	1027	419	1205	702	861	812	632	633	1011	1356	632	1020	877	847	798	1075	675	751	10975
KOLKATA	701	2420	463	1857	555	1222	800	153	983	119	1286	382	1697	1742	1695	1842	1288	2080	1426	1860	1178	2155	979	2382	1088	18214
LUCKNOW	214	2688	208	1325	641	463	799	101	0	0	0	0	0	0	0	0	0	0	1797	303	1358	853	1061	3184	868	8917
MUMBAI	565	4733	448	3560	423	3146	477	3325	497	5038	1142	3136	1346	5311	1079	6520	1023	5940	841	4474	588	3998	814	4252	770	53433
NAGPUR	392	1640	288	1820	266	1850	265	1710	308	1690	602	1190	850	830	1040	440	1093	605	967	470	739	1160	673	1940	624	15345
NASIK	423	2605	351	2194	285	2935	442	1191	501	897	894	865	1218	845	1137	431	1057	1009	697	1940	599	2258	818	1375	702	18345
PATNA	409	2025	420	1725	579	2010	641	960	748	425	1166	265	1900	171	1708	273	1524	416	1242	351	877	795	763	1660	998	11076
PUNE	495	1616	483	1512	414	1485	475	1203	523	1659	946	1773	1625	1958	828	1537	927	2164	720	1460	739	1025	768	1619	745	19011
RAIPUR	576	833	532	285	575	116	543	88	742	66	922	46	1567	60	1310	63	1372	82	1012	133	836	162	767	310	896	2244
RANCHI	783	946	436	1326	325	1800	348	705	411	312	660	204	1250	268	1470	391	1343	530	1375	367	938	617	676	1123	835	8589
SHIMLA	1238	675	1461	471	1564	541	1548	353	1562	525	1609	443	1648	385	1884	373	2005	655	2019	978	1548	757	1756	839	1654	6895
SRINAGAR	1075	320	925	411	1079	424	1087	326	940	467	1017	390	1302	190	1229	300	1310	50	1139	215	1026	380	1150	364	1107	3837
SURAT	552	1838	472	2070	543	4970	588	700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	539	9578
TRIVENDRUM	1121	408	1032	362	977	312	1263	246	1695	206	2032	284	2394	263	1879	271	1728	284	1768	270	2403	237	2582	234	1740	3377



## Annual Wholesale Average Price Trend of Cabbage-2014



## Annual Total Arrival Trend of Cabbage-2014





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## CAULIFLOWER

Origin	-	Cyprus and around the Mediterranean Coast
Major Producing State	-	Bihar, Uttar Pradesh, Orissa, West Bengal, Assam, Haryana & Maharashtra
Latest Production	-	85.73 Lakh Tonnes

### Name of Variety

### Recommended Areas

IARI, New Delhi	
Pusa Deepali	Delhi and Punjab
Improved Japanese	Punjab, Bihar, U.P., Rajasthan, H.P., J & K, Delhi and West Bengal
Pusa Shubra	Delhi, Punjab, Haryana, U.P. and Bihar
Pusa Early ynthetic	Punjab, U.P., Bihar, Karnataka, Tamil Nadu and Kerala
Pusa Paushja	Punjab, U.P., Uttrakhand and Bihar
Pusa Meghna	NCR
Pusa Sharad	NCR
Pusa Shukti	NCR
Pusa Snowball K-1	All over India
Pusa Snowball KT-25	All over India
Pusa Himjyoti	All over India
Pusa Hybrid-2	West Bengal, Assam, Punjab, U.P., Bihar and Delhi
Pusa Kartik Sankar	West Bengal, Assam, Punjab, U.P., Bihar and Jharkhand
IIVR, Varanasi	
Kashi Kunwari	Punjab, U.P., Bihar and Jharkhand
HAU, Hisar	
Hisar-1	All over India
G.B.U.A.&T, Pant Nagar	
Pant Shubhra	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant Gobhi-2	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Pant Gobhi-3	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
TANU, Coimbatore	Tamil Nadu
Ooty-1	

### Major Cauliflower Growing Belts In India :

Andhra Pradesh	:	Chittoor, Kurnool
Arunachal Pradesh	:	West Kameng, Twang, Lower Subansiri, Kurung Kumey, Upper Siang, Upper Dibang Valley
Assam	:	All districts of Assam
Bihar	:	Patna, Nalanda, Bhojpur, Rohtas, Gaya, Nawada, Aurangabad, Saran, Siwan, Gopalganj, East Champaran, West Champaran, Muzaffarpur, Vaishali, Bhagalpur, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Katihar, Saharsa, Madhepura
Chhattisgarh	:	Baloda Bazar, Gariaband, Mahasamund, Dhamtari, Durg, Balod, Bemetara, Kabirdham, Jagdalpur, Kondagaon, Kanker, Raipur, Janjgir-Champa, Bilaspur, Korba, Raigarh, Surguja, Surajpur, Koriya, Balrampur, Narayanpur, Rajnandgaon



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Delhi	:	(Rural Area)
Gujarat	:	Ahmedabad, Anand, Gandhinagar, Dahod, Panchmahal, Patan, Banaskantha, Mehsana, Sabarkantha
Haryana	:	Sonipat, Rohtak, Ambala, Kurukshetra, Karnal, Panipat, Faridabad, Gurgaon, Hisar, Fatehabad, Jind, Palwal, Yamunanagar
Himachal Pradesh	:	Solan (Solan, Kandaghat, Kunihar, Dharmpur, Vaknaghat), Shimla (Theog, Mashobra)
Jharkhand	:	Lohardaga, Ramgarh, Hazaribag, Gumla, Dumka, Palamu, Ranchi (Pithoria, Chutia, Mandar, Ratu)
Karnataka	:	Chikkaballapur, Ramanagara, Kolar, Belgaum, Dharwad, Haveri, Hassan, Chamarajanagar, Chikmagalur, Mandya, Raichur, Bengaluru Rural, Davanagere, Mysore, Bidar
Madhya Pradesh	:	Baitul, Chhindwara, Jabalpur, Sagar, Tikamgarh, Reeve, Satna, Vidisha, Rajgarh, Indore, Dhar, Barwani, Ratlam, Shajapur, Dewas, Bhopal
Maharashtra	:	Nashik, Satara, Pune, Nagpur, Ahmadnagar, Chandrapur, Buldhana, Parbhani, Beed
Manipur	:	Tamenlong
Meghalaya	:	All districts of Meghalaya
Mizoram	:	Aizawl, Tuidam, Saiha, Kolashib, Serchhip, Khawzawl
Nagaland	:	Kohima, Wokha, Mokochung, Zunheboto, Tuensang, Phek, Mon, Dimapur
Odisha	:	Jajpur (Chandikhol), Cuttack ( Athgarh, Tigiria, Baranga), Puri (Kakatpur, Astaranga), Bolangir (Agalpur, Bongamunda, Titlagarh), Khordha (Balipatna, Baliana)
Punjab	:	Hoshiarpur (Hariana, Bhunga), Gurdaspur (Gurdaspur, Batala, Fatehgarh Churian, Dera Baba Nanak), Fatehgarh Sahib (Bassi Pathana, Sirhind)
Rajasthan	:	Ajmer, Alwar, Tonk, Sikar, Bundi, Bharatpur, Nagaur, Rajsamand, Ganganagar, Jaipur, Jodhpur
Sikkim	:	North, East, West & South Districts
Tripura	:	West, South, Dhalai & North Districts
Uttar Pradesh	:	Agra, Muzaffarpur, Saharanpur, Bulandshahr, Moradabad, Maharajganj, Unnao, Gorakhpur, Kushinagar, Ghaziabad, Mainpuri, Badaun, Aligarh, Meerut, Lucknow, Bareilly
Uttarakhand	:	Dehradun, Haridwar, Nainital, Pithoragarh, Udham Singh Nagar, Almora, Chamoli
West Bengal	:	Paschim Medinipur, Bankura, Nadia, Murshidabad, North & South 24 Parganas

Advanced Technology - Use of Hybrid seeds.

#### Storage conditions

	Fresh	Frozen
Temperature	: 0° C	-18° C
Relative Humidity	: 95-98%	Vapor-tight packing
Storage Period	: 2-4 Weeks	1 year +
Highest Freezing Point	: -1°C	---
Treatment for Quality	-	Maintain temperature 15°-20°C post curd formation
Sensibility to	-	Freezing & Odours



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## HARVESTING SEASON OF CAULIFLOWER

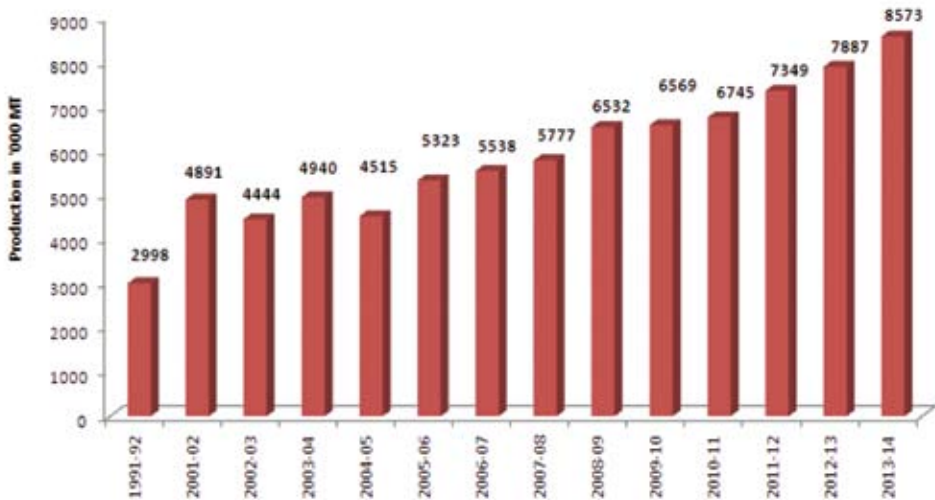
STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
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MIZORAM												
NAGALAND												
ODISHA												
PUNJAB												
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DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												
*INFORMATION NOT AVAILABLE                 ROUND THE YEAR                 PEAK SEASON                 LEAN SEASON												



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF CAULIFLOWER

YEAR	AREA (IN '000 HA)	%OF TOTAL VEG. AREA	PRODUCTION (IN '000 MT)	%OF TOTAL VEG. PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	202.8	3.6	2998.1	5.1	14.8
2001-02	269.9	4.4	4890.5	5.2	18.1
2002-03	254.6	4.2	4444.1	5.2	17.5
2003-04	267.9	4.2	4940.2	5.3	18.4
2004-05	238.5	3.5	4514.8	4.5	18.9
2005-06	288.6	4.0	5323.1	4.8	18.4
2006-07	302.0	4.0	5538.0	4.8	18.3
2007-08	312.0	4.0	5777.0	4.5	18.5
2008-09	349.0	4.4	6532.0	5.1	18.7
2009-10	347.9	4.4	6569.0	4.9	18.9
2010-11	369.0	4.3	6745.0	4.6	18.3
2011-12	390.8	4.3	7348.9	4.7	18.8
2012-13	402.2	4.4	7886.7	4.9	19.6
2013-14	433.9	4.6	8573.3	5.3	19.8

## PRODUCTION TREND OF CAULIFLOWER



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF CAULIFLOWER

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
WEST BENGAL	71.4	1821.7	25.5	73.00	1863.0	25.5	73.6	1879.0	25.5
BIHAR	63.0	1155.1	18.3	63.11	1193.7	18.9	65.7	1147.8	17.5
MAHARASHTRA	10.0	189.0	18.9	11.00	238.0	21.6	36.0	813.2	22.6
MADHYA PRADESH	30.4	576.7	19.0	24.56	690.0	28.1	25.1	703.8	28.1
ODISHA	45.2	682.6	15.1	44.70	675.5	15.1	44.1	667.7	15.2
GUJARAT	21.1	390.2	18.5	28.62	532.3	18.6	27.7	601.5	21.7
HARYANA	30.0	584.3	19.5	30.44	492.3	16.2	30.3	526.5	17.4
CHHATISHGARH	18.9	330.0	17.5	19.57	342.0	17.5	21.4	395.8	18.5
JHARKHAND	23.7	378.5	16.0	24.72	381.2	15.4	23.1	364.5	15.8
ASSAM	21.3	337.4	15.9	21.71	449.2	20.7	21.7	337.6	15.5
UTTAR PRADESH	9.9	205.7	20.8	10.72	241.0	22.5	9.7	205.4	21.1
OTHERS	46.0	697.8	15.2	50.0	788.6	15.8	55.4	930.5	16.8
<b>TOTAL</b>	<b>390.8</b>	<b>7348.9</b>	<b>18.8</b>	<b>402.2</b>	<b>7886.7</b>	<b>19.6</b>	<b>433.9</b>	<b>8573.3</b>	<b>19.8</b>

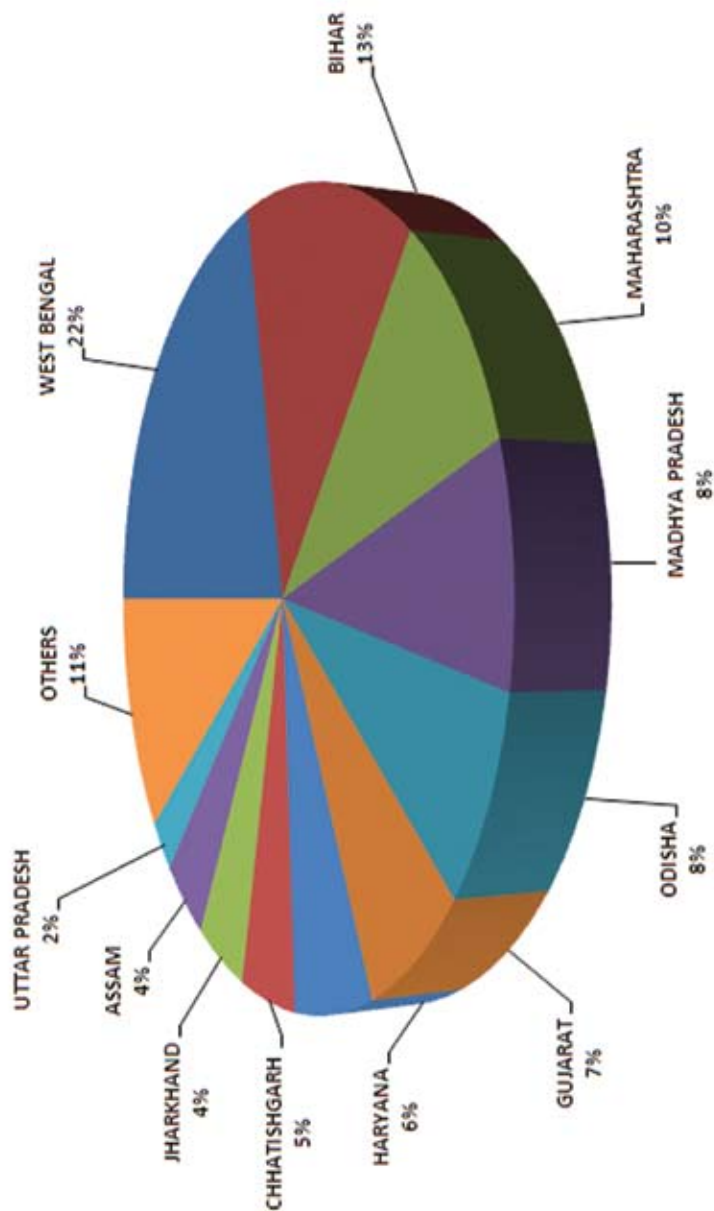
Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.





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## LEADING CAULIFLOWER PRODUCING STATES (2013-14)





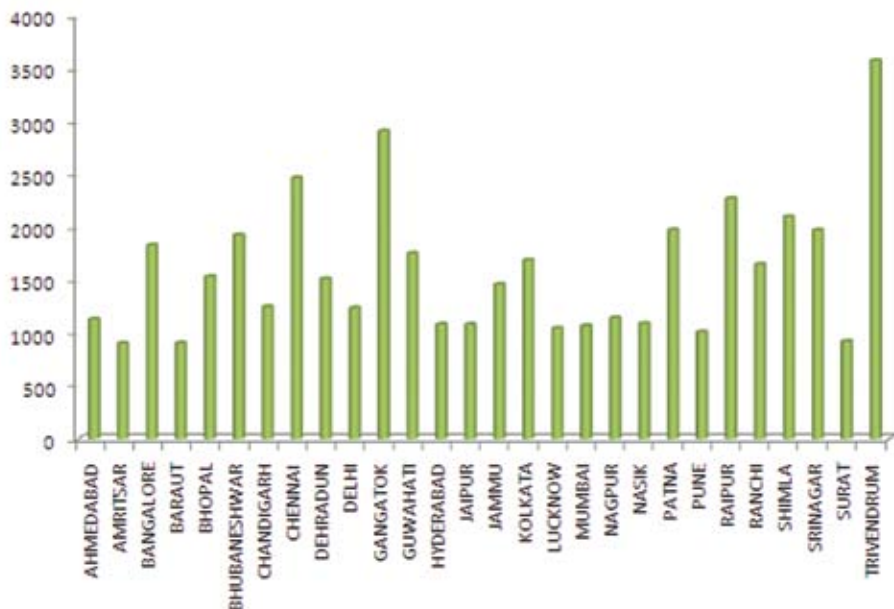
## MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF CAULIFLOWER DURING THE PERIOD OF JANUARY TO DECEMBER-2013

Average wholesale price in Rs./Qu.  
National  
Total Arrival in M.T.

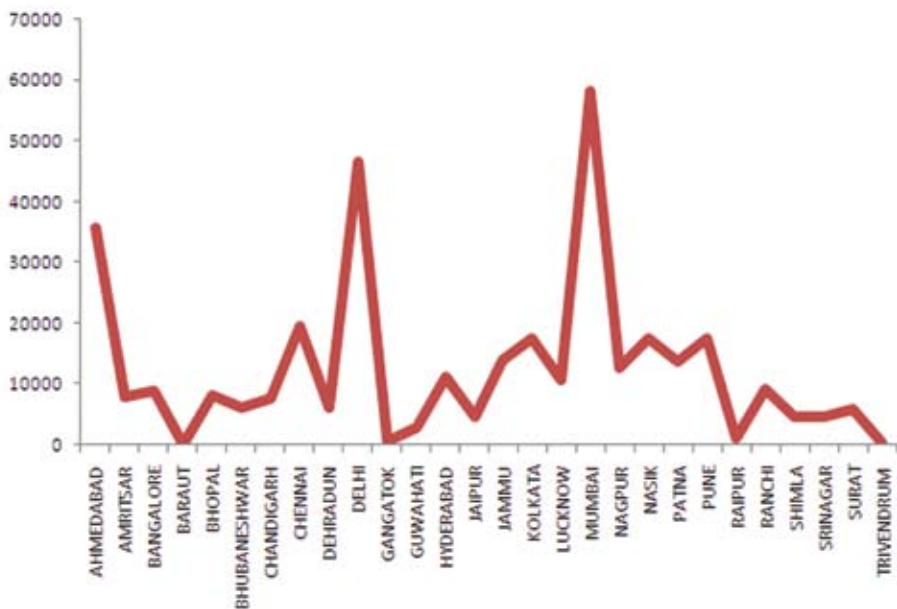
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual	
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival
AMMEDABAD	681	4597	365	3978	494	4266	517	2830	1036	1415	1634	1072	1779	1279	1277	2320	1374	3096	1535	3553	1101	3672	1705	3623	1131	35701
AMRITSAR	463	1660	504	1615	490	1290	494	1080	0	0	0	0	0	0	0	0	0	0	1792	608	1052	1047	1529	590	903	7890
BANGALORE	1078	888	972	896	885	1459	742	1786	684	2680	394	4721	470	1874	810	2031	988	1955	672	2341	716	2065	956	1829	9070	
BARAUT	723	90	1030	49	971	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	908
BHOPAL	697	996	620	843	694	754	807	564	1200	767	2036	515	3182	217	2748	609	2690	593	1287	706	948	824	1482	810	1533	8198
BHUBANESHWAR	1090	890	728	1355	769	697	1218	217	1862	181	2483	147	2586	180	2750	193	3347	209	3245	152	1944	683	1076	1440	1925	6324
CHANDIGARH	528	1541	601	1480	594	1374	767	625	0	0	0	0	0	0	0	0	2518	149	2196	567	1164	984	1631	925	1250	7615
CHENNAI	1758	1798	1579	2542	1612	4210	1982	1127	2448	1130	2860	1010	3396	903	3178	1088	2989	1531	2817	1242	2962	1260	1988	1848	2464	19689
DEHRADUN	514	748	681	557	552	896	671	691	1819	422	2483	164	2121	177	2556	199	2512	291	1581	484	1120	744	1524	827	1511	6200
DELHI	685	4569	637	3998	410	4312	582	2720	773	3454	1157	3161	2268	3949	2086	4483	1709	4620	1279	5146	920	3743	2352	2350	1238	46415
GANGATOK	1700	91	1292	85	1356	96	1200	76	2262	53	4360	30	4767	28	4192	37	2411	41	3503	43	4200	43	3631	62	2906	684
GUWAHATI	1042	630	1352	358	2220	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2861	743	1284	950	1752
HYDERABAD	828	1117	677	1275	852	1465	783	1065	842	943	1080	716	1695	825	1916	761	1126	760	1109	972	1268	631	828	789	1084	11319
JAIPIUR	841	726	803	534	882	641	864	363	775	69	0	0	0	0	0	0	0	0	1528	107	1068	785	1895	1449	1082	4674
JAMMU	656	1712	871	1365	620	1605	893	1463	971	1011	1590	1033	2054	855	1865	547	2960	802	1740	1380	1429	1242	2048	1060	1458	14075
KOLKATA	1104	2802	656	2963	750	1831	1711	119	1816	278	1828	361	2483	354	2704	272	2480	337	2359	891	1417	2696	963	4612	1888	17516
LUCKNOW	358	2842	426	1020	842	366	878	37	0	0	0	0	0	0	0	0	0	0	2272	1248	1274	2390	1266	2817	1045	10720
MUMBAI	681	6039	478	4976	468	3655	657	3568	826	4662	1489	2319	1738	12014	1250	4362	1858	4128	1273	3550	955	4208	1158	4622	1069	58103
NAGPUR	624	1520	445	1410	396	1590	584	1720	951	1170	1150	930	1618	720	2563	485	2070	600	1003	580	958	760	1350	1410	1143	12855
NASIK	738	2950	415	3010	506	2508	821	1297	1558	707	1560	363	1628	347	1347	475	994	1704	1231	1125	926	1831	1347	1280	1089	17587
PATNA	794	2050	645	1435	921	1430	1375	510	0	0	0	0	0	0	0	0	5987	220	3657	1010	1210	4435	1204	2705	1974	13795
PUNE	520	1593	563	1411	474	1469	675	1156	767	1499	1171	1897	1637	1726	1160	1320	1704	1804	1365	1289	1261	782	833	1600	1011	17516
RAIPUR	1432	380	1463	171	1298	72	1303	50	2063	40	2495	22	3864	29	4320	34	2650	60	2240	83	2394	104	1731	203	2270	1248
RANCHI	999	1245	508	1440	416	1770	710	716	1504	301	1983	339	2772	339	2778	545	2769	472	2748	328	1650	769	938	1001	1649	9265
SHIMLA	1277	622	1545	345	1580	418	1549	381	1644	420	2170	394	2784	304	3550	213	3354	300	2202	358	1655	435	1839	630	2096	4820
SRINAGAR	1520	459	1434	494	1524	598	1609	493	1688	552	2004	463	2400	280	2395	202	2640	44	2017	340	1950	443	2477	434	1971	4802
SURAT	1495	1436	658	1760	701	2200	838	570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	923	5966
THIRUVENDRUM	2856	38	2650	27	2889	25	3230	22	4200	20	3912	34	4460	24	3843	39	3430	41	3455	41	4417	34	3518	44	3572	389



## Annual Wholesale Average Price Trend of Cauliflower-2014



## Annual Total Arrival Trend of Cauliflower-2014





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## OKRA

Origin	- Africa
Major Producing State	- Uttar Pradesh, Bihar, Orissa, West Bengal, Andhra Pradesh Karnataka & Assam,
Latest Production	- 63.46 Lakh Tonnes

### Name of Variety

### Recommended Areas

IARI, New Delhi	
Pusa Sawani	All over India
Pusa A 4	All over India
Perkins Long Green	All over Hills
IIHR, Bengaluru	
Arka Abhay	West Bengal and Assam
Arka Anamika	All over India
IIVR, Varanasi	
Kashi Pragati	Chhattisgarh, Odisha and A.P.
Kashi Vibhuti	Rajasthan, Gujarat, Haryana and Delhi
Kashi Kranti	Uttar Pradesh, Bihar, Jharkhand and Punjab
HAU, Hisar	
Varsha Uphar	All over India
Hisar Unnat	All over India
Hisar Naveen	All over India
HBH-142 (F1 hybrid)	All over India
AAU, Anand, Gujarat	
Gujarat Anand Okra-5	Middle Gujarat
MPKV, Rahuri	
Phule Utkarsha	Maharashtra
TANU, Coimbatore	
CO 1	Tamil Nadu
CO 2	Tamil Nadu
CO 3	Tamil Nadu
COBhH1	Tamil Nadu
CSAUAT, Kanpur	
Azad Bhindi -1	U.P.
Azad Bhindi-3	U.P.

### Major Okra Growing Belts in India :

Andhra Pradesh	:	Adilabad, Anantapur, Chittoor, East Godavari, Guntur, Karimnagar, Krishna, Kurnool, Mahbubnagar, Medak, Nalgonda, Nizamabad, Nellore, Prakasam, Rangareddy, Srikakulam, Visakhapatnam, Vizianagaram, Warangal, West Godavari
Assam	:	Darrand, Nagaon, Sibsagar



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<b>Bihar</b>	:	Patna, Nalanda, Bhojpur, Buxar, Rohtas, Gaya, Nawada, Aurangabad, Saran, Siwan, Gopalganj, East Champaran, West Champaran, Muzaffarpur, Sitamarhi, Vaishali, Bhagalpur, Munger, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Katihar, Sahara, Madhepura
<b>Chhattisgarh</b>	:	Raipur, Baloda Bazar, Gariaband, Mahasamund, Dhamtari, Durg, Balod, Bemetara, Rajnandgaon, Kabirdham, Jagdalpur, Kondagaon, Kanker, Janjgir-Champa, Bilaspur, Mungeli, Korba, Raigarh, Surguja, Surajpur, Koriya, Balrampur, Narayanpur
<b>Gujarat</b>	:	Ahmedabad, Anand, Gandhinagar, Dang, Narmada, Navsari, Panchmahal, Bharuch, Sabarkantha, Surat, Tapi
<b>Haryana</b>	:	Jind, Mewat Yamunanagar, Hisar, Karnal, Panipat, Ambala, Sonapat, Rohtak, Jhajjar, Faridabad, Narnaul, Gurgaon, Bhiwani, Fatehabad, Sirsa
<b>Karnataka</b>	:	Haveri, Dharwad, Gulburga, Dakshin Kannada, Belguam, Shimoga
<b>Kerala</b>	:	Erattupetta (Melukavu, Thidanad, Poonjar Thekkekkara, Thalappalam), Kanjirappally Kootickal, Mundakayam, Koruthodu, Manimala, Erumeli), Vazhoor (Vellavoor)
<b>Madhya Pradesh</b>	:	Jabalpur, Sagar, Hoshangabad, Vidisha, Barwani, Ratlam, Shajapur, Bhopal
<b>Maharashtra</b>	:	Satara, Pune, Solapur, Jalgaon, Thane, Parbhani, Chandrapur, Dhule, Nasik, Sangli
<b>Mizoram</b>	:	Aizawl, Khawzawl, Lunglei, Tuidam
<b>Nagaland</b>	:	Kohima, Wokha, Mokochung, Zunheboto, Tuensang, Phek, Mon, Dimapur
<b>Odisha</b>	:	Jajpur (Bibabati, Rasulpur), Khordha (Balianta, Bolagarh), Cuttack (Narsinghpur, Badamba, Salepur), Puri (Pipil, Satyabadi)
<b>Rajasthan</b>	:	Ajmer, Alwar, Bundi, Dausa, Ganganagar, Jaipur, Pali, Sirohi
<b>Tamil Nadu</b>	:	Dindigul, Coimbatore, Salem, Vellore, Kancheepuram, Dharmapuri
<b>Tripura</b>	:	Major part of Tripura
<b>Uttar Pradesh</b>	:	Agra, Meerut, Lucknow, Unnao, Mainpuri, Jalaun, Rae Bareli, Hardoi, Sitapur, Sultanpur, Kushinagar, Aligarh, Kanpur Nagar, Ghaziabad, Farrukhabad, Gonda, Bahraich, Varanasi, Fetehpur, Bulandshahr
<b>Uttarakhand</b>	:	Dehradun, Udham Singh Nagar, Pithoragarh, Tehri, Nainital, Haridwar, Chamoli
<b>West Bengal</b>	:	Nadia, Murshidabad, North & South 24 Parganas, Bardhaman
<b>Advanced Technology</b>	-	Use of Hybrid seeds.

#### Storage conditions

		<b>Fresh</b>	<b>Frozen</b>
Temperature	:	7°-10° C	-18° C to -24°C
Relative Humidity	:	90-95%	-
Storage Period	:	7-10 days	5 months – 1 year
Freezing Point	:	-1°C	---
Treatment for Quality	-	Integrated Paste Management (IPM)	
Sensibility to	-	Freezing	



## HARVESTING SEASON OF OKRA

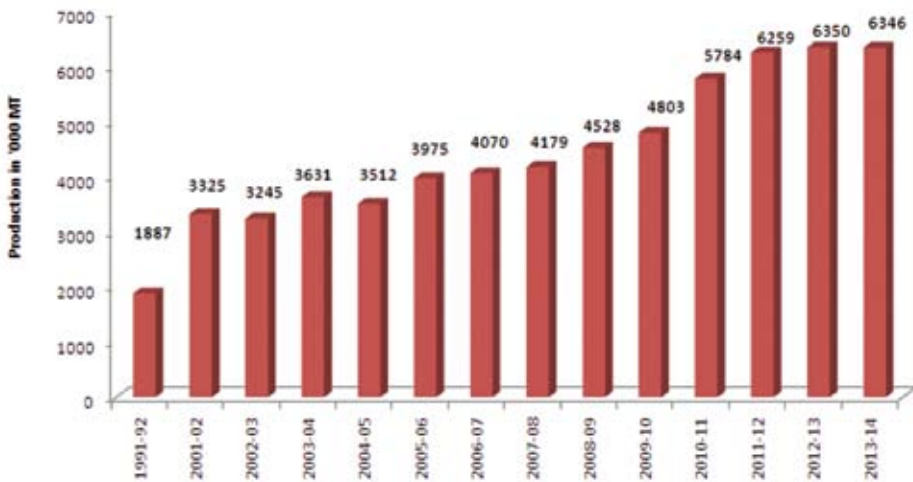
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## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF OKRA

YEAR	AREA (IN '000 HA)	%OF TOTAL VEG. AREA	PRODUCTION (IN '000 MT)	%OF TOTAL VEG. PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	222.0	4.0	1886.5	3.2	8.5
2001-02	347.2	5.6	3324.7	3.5	9.6
2002-03	329.2	5.4	3244.5	3.8	9.9
2003-04	353.1	5.6	3631.4	3.9	10.3
2004-05	357.3	5.3	3512.4	3.5	9.8
2005-06	391.8	5.5	3974.6	3.6	10.1
2006-07	396.0	5.2	4070.0	3.5	10.3
2007-08	407.0	5.2	4179.0	3.3	10.3
2008-09	432.0	5.4	4528.0	3.5	10.5
2009-10	452.5	5.7	4803.3	3.6	10.6
2010-11	498.0	5.9	5784.0	3.9	11.6
2011-12	518.4	5.8	6259.2	4.0	12.1
2012-13	530.8	5.8	6350.3	3.9	12.0
2013-14	532.7	5.7	6346.4	3.9	11.9

## PRODUCTION TREND OF OKRA



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF OKRA

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

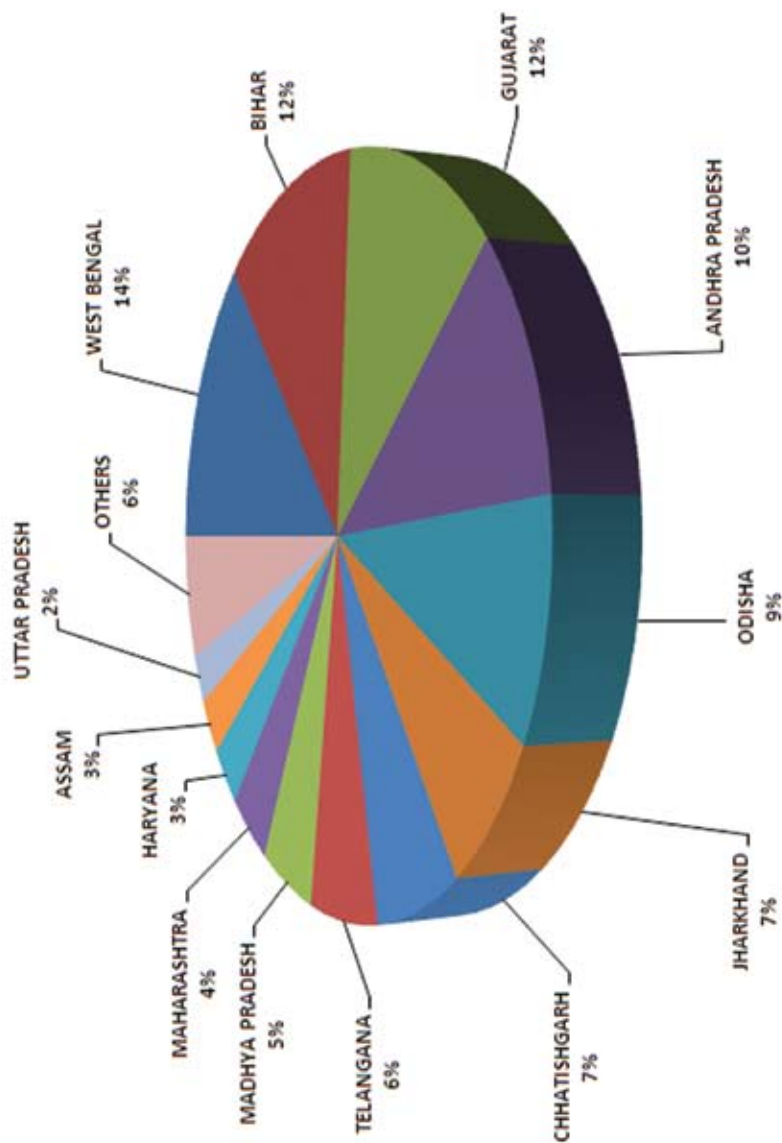
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
WEST BENGAL	74.4	863.5	11.6	74.60	869.10	11.7	75.00	877.00	11.7
BIHAR	59.0	825.3	14.0	59.24	854.22	14.4	58.08	783.54	13.5
GUJARAT	65.4	717.3	11.0	65.66	723.33	11.0	65.99	759.04	11.5
ANDHRA PRADESH	80.1	1202.0	15.0	74.25	1113.81	15.0	44.10	661.42	15.0
ODISHA	67.6	651.8	9.6	67.04	593.93	8.9	65.24	578.53	8.9
JHARKHAND	31.8	444.7	14.0	32.52	447.40	13.8	32.53	447.41	13.8
CHHATISHGARH	25.8	252.2	9.8	26.47	269.18	10.2	27.80	430.63	15.5
TELANGANA							25.19	377.82	15.0
MADHYA PRADESH	23.6	310.0	13.1	25.74	297.00	11.5	26.51	305.91	11.5
MAHARASHTRA	21.0	317.0	15.1	22.00	328.00	14.9	23.00	241.50	10.5
HARYANA	18.8	139.7	7.4	18.03	154.09	8.5	23.48	186.30	7.9
ASSAM	11.3	154.4	13.7	11.52	169.11	14.7	11.64	170.98	14.7
UTTAR PRADESH	11.5	136.0	11.8	12.44	159.30	12.8	12.19	148.64	12.2
OTHERS	28.2	245.4	8.7	41.3	371.8	9.0	41.9	377.7	9.0
<b>TOTAL</b>	<b>518.4</b>	<b>6259.2</b>	<b>12.1</b>	<b>530.8</b>	<b>6350.3</b>	<b>12.0</b>	<b>532.66</b>	<b>6346.37</b>	<b>11.9</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING OKRA PRODUCING STATES (2013-14)





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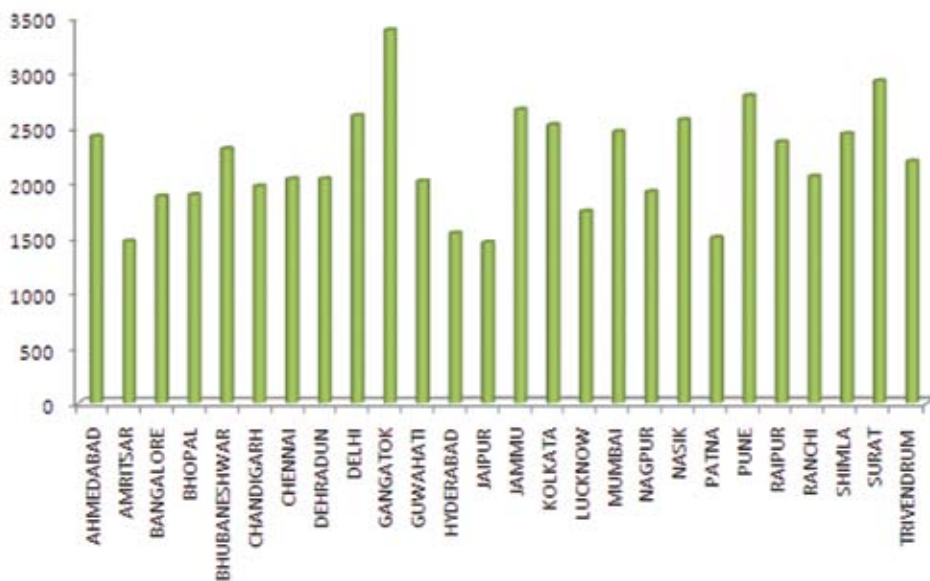
## MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF OKRA DURING THE PERIOD OF JANUARY TO DECEMBER-2013

Average wholesale price in Rs./Qtl.  
Total Arrival in M.T.

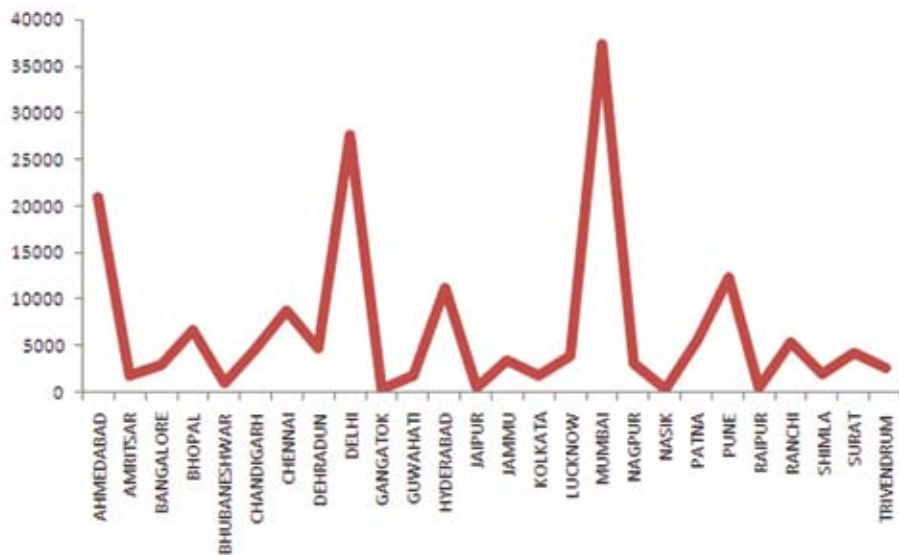
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual		
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival			
AMMEDABAD	2646	584	2546	1529	2444	2383	2055	2183	1616	2226	2490	2962	2878	2371	2698	1881	2151	2018	1618	1534	2477	789	3415	506	2420	20866	
AMRITSAR	0	0	0	0	0	0	2438	109	1623	334	842	367	1070	222	1188	295	1304	270	0	0	1800	190	0	0	1466	1787	
BANGALORE	1704	215	1869	224	2229	210	2075	188	1460	241	1748	238	2313	385	1657	223	1446	279	1160	195	2214	284	2628	229	1875	2891	
BHOPAL	2231	358	2688	382	2408	209	1707	558	1237	725	1548	671	1828	647	1731	665	1754	784	1272	683	1945	453	2298	461	1888	6586	
BHUBANESHWAR	3893	29	3100	71	1717	126	966	96	1079	96	1803	81	2666	60	2338	79	2645	91	2781	52	2365	76	2327	102	2307	959	
CHANDIGARH	0	0	0	0	0	0	0	0	1865	907	1592	849	1722	1123	1694	849	2246	533	2682	229	0	0	0	0	0	1967	4490
CHENNAI	2225	486	2079	569	1680	727	1636	624	1392	1187	2068	1173	2662	591	2230	595	1433	835	1442	779	2538	592	3008	612	2033	8780	
DEHRADUN	0	0	1300	22	4124	46	3711	81	1598	1142	905	1898	1064	772	1162	397	1567	128	1607	93	2226	61	3094	24	2033	4664	
DELHI	3705	1843	3884	2940	3468	3723	3309	3515	1588	2824	1040	3391	1574	3400	1586	1856	1966	1778	1727	920	2690	361	4734	957	2606	27508	
GANGATOK	0	0	0	0	0	0	5291	25	4000	38	2264	32	3146	31	2396	32	2113	38	2903	36	4314	44	4012	58	3382	332	
GUWAHATI	0	0	0	0	0	0	3521	233	1483	379	994	563	2166	369	1895	194	0	0	0	0	0	0	0	0	0	2012	1738
HYDERABAD	1008	866	1091	991	1361	833	1256	878	917	883	1370	829	1560	849	2111	950	2041	1024	1918	1025	1674	1174	2156	847	1539	11149	
JAIPUR	0	0	0	0	0	0	0	0	1450	140	1463	412	0	0	0	0	0	0	0	0	0	0	0	0	1457	552	
JAMMU	4331	88	4229	68	3748	136	3618	152	1838	617	1178	634	1313	260	1980	184	1862	569	1425	262	2271	224	4141	207	2661	3401	
KOLKATA	0	0	0	0	4746	185	1851	188	1188	169	1363	284	2129	278	1952	213	2302	281	2651	114	3528	99	3524	35	2523	1826	
LUCKNOW	1100	60	0	0	3065	79	2383	413	1449	1019	1229	682	1227	581	824	496	1656	242	1424	200	2105	78	2644	52	1737	3902	
MUMBAI	2654	3090	2370	4032	2410	3554	2141	4017	1796	4719	2463	1864	2656	2395	3152	2670	2415	3489	1773	2814	2495	2451	3200	2411	2460	37316	
NAGPUR	1937	187	2161	196	2478	208	1631	173	1500	235	1748	500	2014	218	2448	310	1355	240	1394	230	1987	240	2336	280	1916	3017	
NASIK	2543	26	2376	24	2480	25	2665	22	2850	26	2649	25	2754	26	2432	26	2562	43	1875	28	2243	24	3394	26	2569	321	
PATNA	0	0	0	0	0	0	2388	835	1304	1275	989	835	1160	625	1327	712	1409	720	1694	360	1731	87	0	0	1500	5449	
PUNE	2835	1277	2795	988	2414	863	2105	551	1869	1088	2238	1378	2942	944	3863	863	3000	1498	2185	1059	3531	778	3673	1052	2788	12319	
RAIPUR	3681	26	3372	40	2081	42	983	50	1113	46	1541	24	2446	36	2215	37	1962	37	2495	22	3306	18	3235	26	2369	404	
RANCHI	3625	42	3741	298	2719	492	1897	678	870	996	863	510	1529	455	2005	331	1567	472	1713	338	1732	408	2397	343	2055	5363	
SHIMLA	0	0	0	0	1600	22	0	0	2167	104	1940	264	1970	340	2304	317	2296	309	2031	366	3020	166	4650	2	2442	1890	
SURAT	3392	1375	2813	1400	2915	1248	2563	285	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2921	4288	
TRIVENDRUM	2223	254	3146	190	2641	179	2330	173	1778	193	2198	191	2296	266	1867	231	1798	274	1795	215	2281	218	1950	225	2192	2609	



## Annual Wholesale Average Price Trend of Okra-2014



## Annual Total Arrival Trend of Okra-2014





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## ONION

Origin	- Asia
Major Producing State	- Maharashtra, Bihar, Karnataka, Gujarat, Andhra Pradesh, Uttar Pradesh, Orissa & Madhya Pradesh
Latest Production	- 194.01 Lakh Tonnes
<b>Name of Variety</b>	<b>Recommended Areas</b>
IARI, New Delhi	All over India
Pusa White Flat	All over India
Pusa White Round	Punjab, U.P. and Bihar, Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
Pusa Red	All over India
Pusa Ratnar	Madhya Pradesh and Maharashtra
Pusa Madhvi	Delhi, U.P., Haryana, Bihar, Punjab, Rajasthan, Gujarat, M.P., Chhattisgarh and Odisha
Sel. 126	Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, A.P., Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
IIHR, Bengaluru	
Arka Kalyan	Punjab, Tarai region of U.P., Bihar, Jharkhand, M.P. and Maharashtra
NBPGR, New Delhi	Punjab, Tarai region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala NHRDF, Nasik, Maharashtra
Pusa Ratnagar	All over India
Arka Niketan	All over India
Agrifound Dark Red	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, M.P., Chhattisgarh, Goa, Gujarat and Maharashtra
Agrifound Light Red	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura, Andaman & Nicobar Island, Punjab, Tarai Region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana and Delhi
NHRDF-Red (L-28)	Chhattisgarh, Odisha, A.P., Rajasthan, Gujarat, Haryana, Delhi, M.P. and Maharashtra
NHRDF Red-2 (L-355)	Andhra Pradesh and Karnataka
Agrifound White	Karnataka, Tamil Nadu and Kerala
Agrifound Rose	Punjab, Tarai region of U.P., Bihar, Jharkhand, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Agrifound Red	Punjab, Tarai region of U.P., Bihar and Jharkhand
PAU, Ludhiana, Punjab	Punjab, Tarai region of U.P., Bihar and Jharkhand
Punjab Selection	
Punjab Red Round	Punjab, Tarai region of U.P., Bihar and Jharkhand
Punjab-48	
CSA, Kanpur	
Kalyanpur Red Round	
RAU, Udaipur	
Udaipur-103	
Udaipur-102	
Department of Agriculture, Maharashtra	
N-53	
MPKV, Rahuri, Maharashtra	



Phule Samarth	Maharashtra and Madhya Pradesh
Phule Survarna	Maharashtra and Madhya Pradesh
Phule Safed	Maharashtra and Madhya Pradesh
TANU, Coimbatore, Tamil Nadu (Multiplier)	
CO 1	Karnataka, Tamil Nadu and Kerala
CO 2	Karnataka, Tamil Nadu and Kerala
CO 3	Karnataka, Tamil Nadu and Kerala
MDU-1	Karnataka, Tamil Nadu and Kerala
Co-4	Karnataka, Tamil Nadu and Kerala
Co-5	Karnataka, Tamil Nadu and Kerala
HAU, Hisar	
Hisar-2	All over India
Hisar Onion-3	Haryana
Dogresearch, Rajguru Nagar, Pune	
Bhima Raj	Rajasthan, Gujarat, Haryana and Delhi
Bhima Red	Maharashtra, M.P., Karnataka and Gujarat
Bhima Super	Maharashtra, Karnataka and Gujarat
Bhima Kiran	Delhi, U.P., Haryana, Bihar, Punjab, Maharashtra, Karnataka and A.P.
Bhima Shakti	Delhi, U.P., Haryana, Bihar, Punjab, Rajasthan, Gujarat, M.P., Chhattisgarh, Odisha, Maharashtra, Karnataka and Andhra Pradesh
Bhima Shweta	Delhi, U.P., Haryana, Bihar, Punjab, M.P., Chhattisgarh, Odisha, Maharashtra, Karnataka and Andhra Pradesh
Bhima Shubra	Maharashtra
TANU, Coimbatore	
CO 2	Tamil Nadu
CO 3	Tamil Nadu
CO 4	Tamil Nadu
CO (On) 5 (Seed propagated)	Tamil Nadu

#### Major Onion Growing Belts in India :

Andhra Pradesh	:	Adilabad, Anantapur, Guntur, Kadapa, Kurnool, Rangareddy, Srikakulam
Bihar	:	Patna, Nalanda, Bhojpur, Rohtas, Gaya, Aurangabad, East Champaran, West Champaran, Muzaffarpur, Sitamarhi, Vaishali, Bhagalpur, Munger, Sheikhpura, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Araria, Kishanganj, Katihar
Chhattisgarh	:	Raipur, Baloda Bazar, Mahasamund, Dhamtari, Durg, Bemetara, Rajnandgaon, Kabirdham, Kanker, Janjgir-Champa, Bilaspur, Korba, Raigarh, Surguja, Surajpur, Koriya, Balrampur, Jashpur
Gujarat	:	Dang, Dahod, Bhavnagar, Rajkot Amreli, Junagarh, Jamnagar, Sundarnagar
Haryana	:	Sirsa, Jind, Yamunanagar, Kurukshetra, Panchkula, Ambala, Kaithal, Karnal, Panipat, Sonipat, Rohtak, Jhajjar, Biwani, Mewat
Jharkhand	:	Palamu, Ramgarh
Karnataka	:	Belgam, Dharwad, Gadag, Haveri, Bagalkot, Chitradurga, Bijapur, Chamarajanagar, Chikmagalur, Raichur, Bellary, Gulbarga, Chikkaballapur, Davanagere, Koppal
Madhya Pradesh	:	Shajapur, Jabalpur, Indore, Khandwa, Ujjain, Reeve, Bhopal, Dhar, Khargone, Mandsaur, Ratlam



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<b>Maharashtra</b>	:	Nasik, Ahmednagar, Pune, Satara, Solapur, Dhule, Jalgaon, Osmanabad, Beed, Aurangabad, Bhandara, Nandurbar, Latur
<b>Odisha</b>	:	Bolangir (Bongamunda, Tureikela), Kalahandi (Bhawanipatna), Boudh (Harbhanga), Angul (Kishorenagar), Deogarh ( Reamal), Nuapada (Khariar, Komna, Sinapalli)
<b>Punjab</b>	:	Sangrur ( Sangrur, Malerkotla, Dhuri, Sunam), Patiala (Patiala, Rajpura, Ghanaur, Patran)
<b>Rajasthan</b>	:	Alwar, Ajmer, Chittorgarh, Jaipur, Jalore, Nagour, Jhunjhunu, Bharatpur, Bhilwara, Jhalawar
<b>Tamil Nadu</b>	:	Perambalur, Trichy, Dindigul, Erode, Namakkal, Trippur, Tirunelveli
<b>Uttar Pradesh</b>	:	Kannauj, Fatehpur, Sultanpur, Jaunpur, Mainpuri, Kanpur, Farrukhabad, Bahraich, Ballia, Azamgarh, Gonda, Sonabhadra, Ghazipur, Hardoi, Rae Bareli, Unnao, Barabanki, Kanpur Dehat, Pratapgarh, Jalaun, Allahabad, Badaun
<b>Uttarakhand</b>	:	Almora, Chamoli, Dehradun, Pauri, Pithoragarh, Tehri, Udham Singh Nagar
<b>West Bengal</b>	:	Hooghly, Murshidabad, Nadia, North 24 Parganas
<b>Advanced Technology</b>	-	Use of Hybrid seeds.

#### Storage conditions

	<b>Fresh</b>	<b>Frozen</b>
Temperature	: 0° C	-18° C
Relative Humidity	: 65-70%	Gas-tight Packing
Storage Period	: 3-5 months	6-12 months
Treatment for Quality	- Proper Curing	
Sensibility to	- Low Temperature	





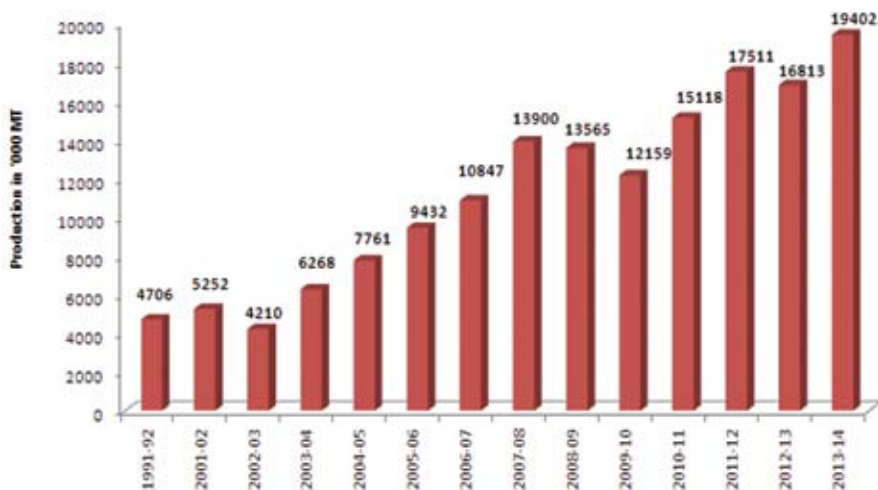
## HARVESTING SEASON OF ONION

Indian Horticulture Database-2014 | 163

## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF ONION

YEAR	AREA (IN '000 HA)	%OF TOTAL VEG.AREA	PRODUCTION (IN '000 MT)	%OF TOTAL VEG. PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	331.8	5.9	4705.8	8.0	14.2
2001-02	495.8	8.1	5252.1	5.6	10.6
2002-03	424.7	7.0	4209.5	5.0	9.9
2003-04	553.8	8.8	6267.6	6.7	11.3
2004-05	613.8	9.1	7760.6	7.7	12.6
2005-06	703.6	9.8	9432.5	8.5	13.4
2006-07	768.0	10.1	10847.0	9.4	14.1
2007-08	821.0	10.5	13900.0	10.8	16.9
2008-09	834.0	10.4	13565.0	10.5	16.3
2009-10	756.2	9.5	12158.8	9.1	16.1
2010-11	1064.0	12.5	15118.0	10.3	14.2
2011-12	1087.2	12.1	17511.1	11.2	16.1
2012-13	1051.5	11.4	16813.0	10.4	16.0
2013-14	1203.6	12.8	19401.7	11.9	16.1

## PRODUCTION TREND OF ONION



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF ONION

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

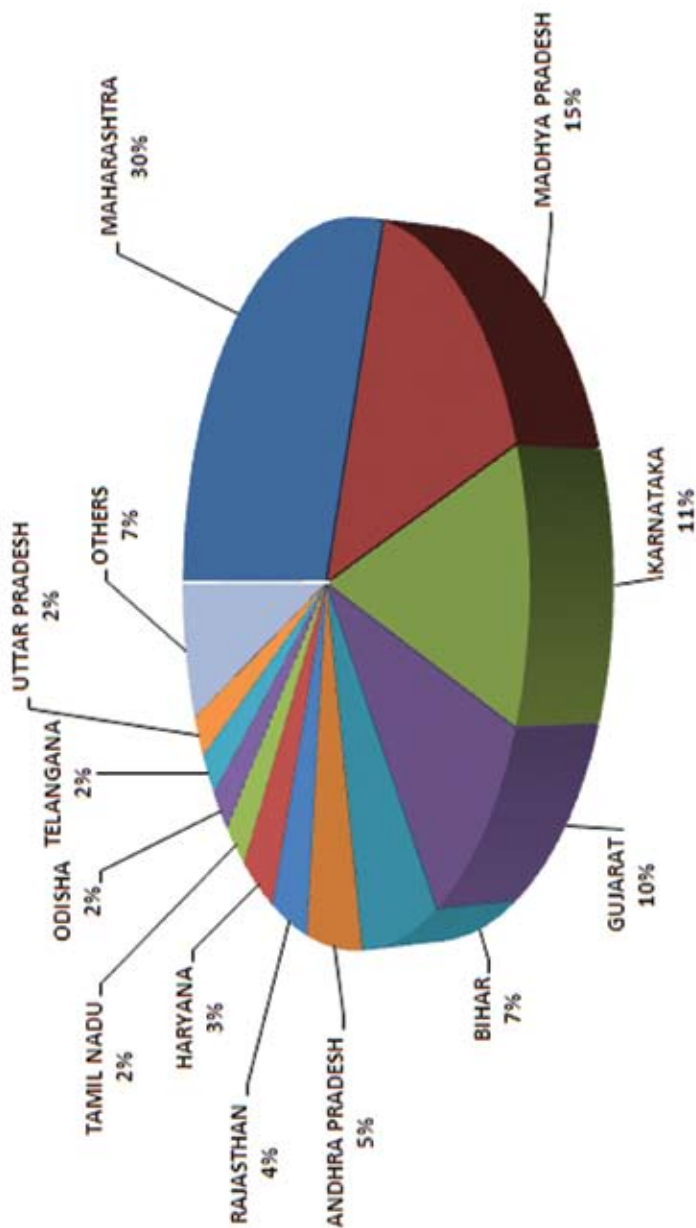
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
<b>MAHARASHTRA</b>	382.0	5638.0	14.8	260.0	4660.0	17.9	468.0	5864.0	12.5
<b>MADHYA PRADESH</b>	88.1	1957.0	22.2	111.7	2691.0	24.1	117.3	2826.0	24.1
<b>KARNATAKA</b>	177.2	2451.2	13.8	159.6	2395.9	15.0	136.6	2065.2	15.1
<b>GUJARAT</b>	61.3	1562.2	25.5	28.9	704.4	24.4	72.8	1851.2	25.4
<b>BIHAR</b>	53.8	1236.7	23.0	53.0	1107.8	20.9	54.3	1304.2	24.0
<b>ANDHRA PRADESH</b>	48.5	824.8	17.0	86.7	1560.1	18.0	55.8	1004.6	18.0
<b>RAJASTHAN</b>	73.5	664.2	9.0	139.1	476.2	3.4	57.5	705.0	12.3
<b>HARYANA</b>	27.5	589.8	21.5	27.8	604.5	21.7	30.2	672.2	22.3
<b>TAMIL NADU</b>	37.1	556.5	15.0	37.7	429.7	11.4	40.0	472.7	11.8
<b>ODISHA</b>	35.2	419.0	11.9	34.9	419.1	12.0	35.8	432.1	12.1
<b>TELANGANA</b>							23.6	424.2	18.0
<b>UTTAR PRADESH</b>	23.7	383.5	16.2	26.6	474.0	17.8	24.3	410.0	16.9
<b>OTHERS</b>	79.5	1228.2	15.5	85.6	1290.3	15.1	87.5	1370.5	15.7
<b>TOTAL</b>	1087.2	17511.1	16.1	1051.5	16813.0	16.0	1203.6	19401.7	16.1

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING ONION PRODUCING STATES (2013-14)



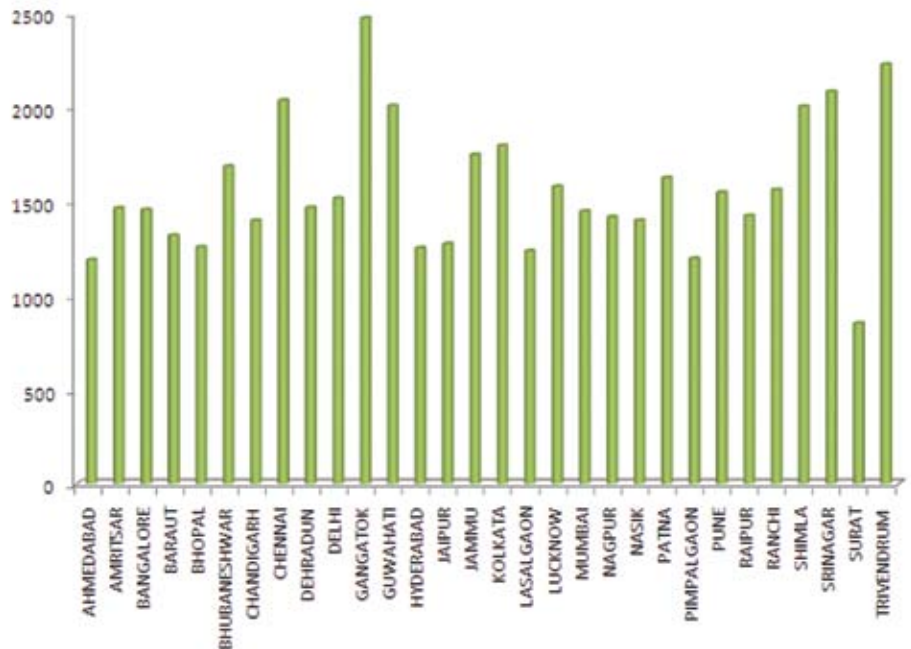
# MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF ONION DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./00L  
Total Arrival in M.T.

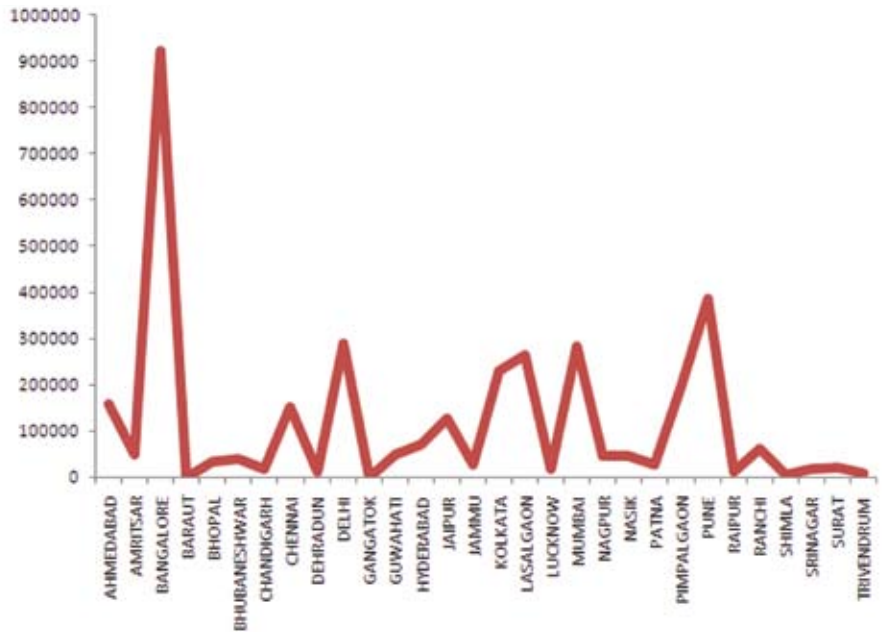
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual		
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival			
AHMEDABAD	1083	12719	728	14512	808	17399	785	13171	860	13814	1162	14773	1732	10375	1459	10151	1360	13717	1460	13446	1436	13326	1453	12371	1194	159774	
AMRITSAR	1283	4705	946	5835	1078	3800	1107	3055	1147	4315	1258	4335	2035	3040	1848	4300	1694	5160	1675	3880	1839	4286	1724	3390	1470	50101	
BANGALORE	1118	63193	794	53344	747	67468	743	63059	1015	57286	2038	49775	2554	41480	2241	46786	1754	102997	1643	154265	1507	133859	1377	87731	1461	921243	
BARAUT	1385	39	1200	31	1388	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1324	96
BHOPAL	746	3635	713	2576	708	3491	650	3210	781	3855	1176	3592	2177	2984	1871	1642	1366	3464	1667	1560	1833	1067	1436	2308	1262	33384	
BHUBANESHWAR	1500	3655	1076	4160	1206	4870	1224	4595	1337	5090	1533	3700	2366	2835	2210	2570	1943	2840	1851	2640	2010	2297	2045	2710	1692	41962	
CHANDIGARH	1291	16570	1300	12520	1280	12650	1323	10590	1640	15662	2292	12530	2988	12880	2691	1664	1508	1875	1647	1715	1344	1424	1587	1396	1737	1404	19707
CHENNAI	1471	18510	1300	12620	1280	12650	1323	10590	1640	15662	2292	12530	2988	12880	2691	10283	2396	12720	2335	10610	2400	12780	2404	11710	2043	151445	
DEHRADUN	1021	686	1169	489	1187	906	1183	807	1116	1133	1338	932	2158	864	1885	1100	1835	1118	1848	907	1614	1277	1317	1336	1473	11555	
DELHI	1274	21078	952	21236	1132	24406	1232	22407	1244	28195	1421	28500	2040	22440	1854	21034	1774	22617	1751	21645	1718	29851	1885	24611	1521	288050	
GANGATOK	2123	113	1775	119	2128	129	1991	98	1762	127	2040	104	3221	94	3433	89	2602	41	2844	50	2767	80	3100	97	2482	1140	
GUWAHATI	1629	4195	1226	6800	1308	3990	1259	3700	1690	2995	1705	3535	2690	2118	2832	1497	2461	1356	2440	1472	2459	13375	2488	3980	2016	49013	
HYDERABAD	844	8999	609	7433	635	7826	547	7195	600	7960	890	6625	1360	6877	1914	3990	1833	3883	1821	3391	1868	4255	2158	3534	1257	71968	
JAIPUR	1081	5722	919	9362	960	12730	935	7589	911	10997	1017	12621	1735	10771	1581	9548	1573	8305	1669	7826	1500	12043	1471	19872	1279	127386	
JAMMU	1394	2457	1123	3084	1257	3170	1309	3512	1427	2535	1684	1772	2337	1466	2430	1930	2046	1942	2040	1955	1955	1945	2043	1992	1754	27760	
KOLKATA	1488	45160	1189	37856	1146	15072	1110	4445	1344	21133	1857	13616	2509	14992	2418	15824	2062	20880	2071	10160	2108	9328	2330	20434	1803	228900	
LASALGAON	985	36326	736	23906	819	18855	865	24815	984	31978	1341	23031	1868	18308	1577	19569	1336	24166	1422	14139	1439	8175	1516	21167	1241	264435	
LUCKNOW	1348	696	1117	1037	1181	2594	1253	2000	1333	2271	1544	1676	1932	1536	1838	1566	1753	1900	1841	1375	1986	1339	1891	1734	1585	19724	
MUMBAI	1140	26140	736	25475	847	19500	952	22546	1146	37966	1800	17590	2178	19305	1878	18518	1573	20194	1562	17365	1831	21710	1780	36808	1452	282117	
NAGPUR	1107	5886	859	4110	977	6930	972	8050	903	4260	1257	3820	1755	2290	1933	1520	1795	2550	1789	2690	1857	3220	1864	4100	1422	47426	
NASIK	1092	7325	834	5845	856	5980	914	5315	1267	5576	1546	4275	2067	4245	1714	1767	1693	2052	1560	1620	1636	2016	1674	1537	1404	47553	
PATNA	1396	3880	1144	1795	1149	2900	1193	2085	1325	2105	1588	2155	2190	2470	2002	1840	1893	2220	1733	2720	1924	2540	2039	2895	1631	29805	
PIMPALGAON	966	24210	692	14191	772	8902	821	15381	991	24821	1243	14396	1866	14419	1486	14648	1312	23665	1376	11356	1443	7270	1435	27685	1200	200944	
PUNE	1084	47631	660	60148	749	54528	968	21945	1494	26712	1577	30881	2394	19665	2248	17624	2018	26771	1720	22932	1803	22324	1927	33267	1554	384628	
RAIPUR	1248	1626	967	1481	1051	1124	942	1074	1020	1202	1391	689	1970	969	1814	878	1618	940	1667	841	1778	888	1681	1408	1429	31310	
RANCHI	1348	5370	1225	5325	1189	5666	1219	4433	1177	5445	1490	4433	1929	4949	1928	5485	1878	6260	1720	5420	1805	4610	1902	4956	1568	62252	
SHIMLA	1438	586	1639	425	1510	529	1589	503	1704	462	1891	441	2989	333	3014	335	2461	508	2560	510	1804	581	1539	836	2021	6049	
SRINAGAR	2072	1620	1644	1810	1557	2205	1598	2200	1825	2053	1852	2015	2370	1610	2523	1100	2490	290	2439	1280	2433	1675	2275	2310	2090	20168	
SURAT	952	7170	643	6719	860	5960	969	830	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	856	20679	
TRIVENDRUM	1808	1165	1413	1118	1389	1010	1568	920	1790	825	2216	935	3038	785	2860	735	2695	790	2624	753	2674	845	2794	835	2235	10716	



### Annual Wholesale Average Price Trend of Onion-2014



### Annual Total Arrival Trend of Onion-2014





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## PEAS

Origin	- Ethiopia
Major Producing State	- Uttar Pradesh, Bihar, Haryana, Punjab, Himachal Pradesh, Orissa & Karnataka
Latest Production	- 38.68 Lakh Tonnes
<b>Name of Variety</b>	<b>Recommended Areas</b>
IARI, New Delhi	
Bonneville	All over India
Arkel	All over India
Pusa Pragati	All over India
IIHR, Bengaluru	
Arka Ajit	Punjab, Tarai region of U.P., Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
IIVR, Varanasi	
Kashi Nandini	J&K, H.P., Uttarakhand, Punjab, Tarai region of U.P., Bihar, Jharkhand, Karnataka, Tamil Nadu and Kerala
Kashi Uday	Uttar Pradesh
G.B.U.A.&T., Pant Nagar	
Pant Uphar	U.P. and Uttarakhand
Pant Matar-2	J&K, H.P., Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant Sabji Matar-3	J&K, H.P., Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant Sabji Matar-4	J&K, H.P., Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant Sabji Matar-5	J&K, H.P., Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
MPKV, Rahuri	
Phule Priya	Maharashtra
TANU, Coimbatore	
Ooty 1	Tamil Nadu
Pole type Ooty 1	Tamil Nadu
CSAUAT, Kanpur	
Azad P-3	U.P.
Azad P-2	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand
Azad P-4	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand
Azad P-5	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand

### Major Peas Growing Belts in India :

Andhra Pradesh	:	Chittoor, Rangareddy, Medak
Assam	:	Darrang, Kamrup, Nagaon
Bihar	:	Patna, Nalanda, Bhojpur, Gaya, Muzaffarpur, Vaishali, Samastipur, Katihar
Chhattisgarh	:	Raipur, Baloda Bazar, Durg, Bemetara, Rajnandgaon, Janjgir-Champa, Bilaspur, Korba, Raigarh, Surguja, Surajpur, Koriya, Balrampur
Haryana	:	Ambala, Yamunanagar, Kurukshetra, Kaithal, Karnal, Panipat, Sonipat, Gurgaon, Jind
Himachal Pradesh	:	lahul & spiti (Keylong, Kazza), Kinnaur (Kalpa, Sangla Nichar Valley, Chango, Pooh), shimla (Rohroo, Theog, Shogi, Mashoba), sirmour (Pacchad, Sangarh, Rajgarh)
Jharkhand	:	Ranchi (Ratu, Mandar), Ramgarh, Hazaribagh, Palamu





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Karnataka	:	Kolar, Bengaluru, Mysore, Tumkur, Hassan, Chikkaballapur
Madhya Pradesh	:	Shajapur, Jabalpur, Ujjain, Dewas, Gwalior, Morena, Hoshangabad, Vidisha, Sagar
Maharashtra	:	Pune, Parbhani, Thane, Jalna, Nandurbar, Chandrapur, Buldhana
Manipur	:	Imphal, Valley
Mizoram	:	Aizawl, Lunglei, Saiha
Nagaland	:	Kohima, Wokha, Mokochung, Zunheboto, Tuensang, Phek, Mon, Dimapur
Odisha	:	Angul (Kishorenagar), Sambalpur (Sasan)
Punjab	:	Hoshiarpur (Hoshiarpur 1, Hoshiarpur 2, Chabbewal), Amritsar (Verka, Jandiala Guru, Majitha, Rayya), Patiala (Sanaur, Rajpura, Ghannaur, Patran), S.B.S. Nagar (Nawan Shahr, Bala, Chaur)
Rajasthan	:	Jaipur, Alwar, Jodhpur, Udaipur
Uttar Pradesh	:	Lalitpur, Jalaun, Jhansi, Mohoba, Sultanpur, Hamirpur, Azamgarh, Basti, Allahabad, Pratapgarh, Etah, Mirzapur, Jaunpur, Kabir Nagar, Ambedkar Nagar, Sonbhadra, Faizabad, Barabanki, Raebareli, Sitapur, Siddharth Nagar, Gonda, Balia, Kanpur-Nagar, Kanpur-Dehat, KanshiRam Nagar
Uttarakhand	:	Almora, Chamoli, Champawat, Dehradun, Nainital, Tehri, Udham Singh Nagar, Uttarkashi
West Bengal	:	Nadia, Hoogly, 24 parganas

Advanced Technology - Use of Hybrid seeds.

#### Storage conditions

	Fresh	Frozen
Temperature	0° C	-23 to -18° C
Relative Humidity	95%	Gas-tight Packing
Storage Period	3-7 days	1 year +
Freezing Point	-0.60° C	---
Sensibility to	-	High Temperature and High Humidity



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## HARVESTING SEASON OF PEAS

STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
MEGHALAYA												
MIZORAM												
NAGALAND												
ODISHA												
PUNJAB												
RAJASTHAN												
SIKKIM												
TAMIL NADU												
TRIPURA												
UTTAR PRADESH												
UTTARAKHAND												
WEST BENGAL												
ANDAMAN & NICOBAR												
CHANDIGARH												
DADAR & NAGAR HAVELI												
DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												
*INFORMATION NOT AVAILABLE                 ROUND THE YEAR                 PEAK SEASON                 LEAN SEASON												



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF PEAS

YEAR	AREA (IN '000 HA)	%OF TOTAL VEG. AREA	PRODUCTION (IN '000 MT)	%OF TOTAL VEG. PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	177.7	2.9	851.6	1.7	4.8
2001-02	303.3	4.9	2038.2	2.2	6.7
2002-03	305.2	5.0	2061.8	2.4	6.8
2003-04	285.2	4.5	1901.2	2.0	6.7
2004-05	276.3	4.1	1944.8	1.9	7.0
2005-06	286.1	4.0	2270.0	2.1	7.9
2006-07	297.0	3.9	2402.0	2.1	8.1
2007-08	313.0	4.0	2491.0	1.9	8.0
2008-09	348.0	4.4	2916.0	2.3	8.4
2009-10	364.9	4.6	3029.4	2.3	8.3
2010-11	370.0	4.4	3517.0	2.4	9.5
2011-12	408.2	4.5	3744.8	2.4	9.2
2012-13	420.9	4.6	4006.2	2.5	9.5
2013-14	433.6	4.6	3868.6	2.4	8.9

## PRODUCTION TREND OF PEAS



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

# STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF PEAS

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

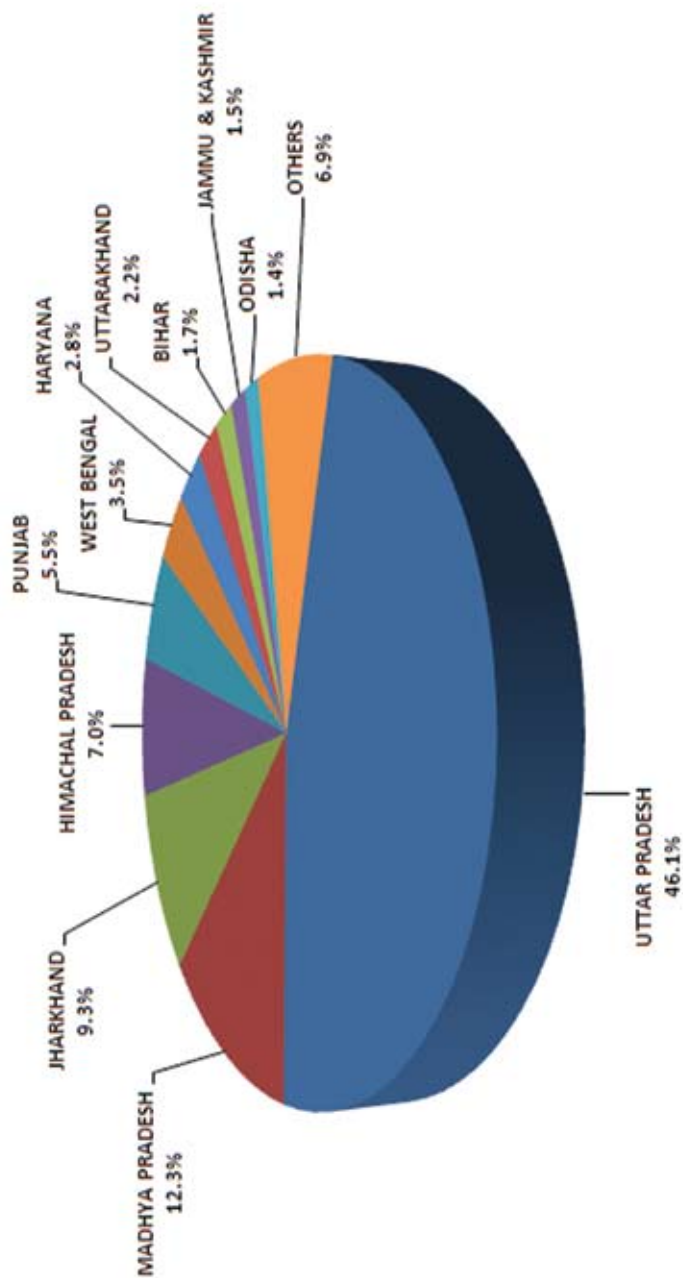
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
UTTAR PRADESH	161.7	1602.8	9.9	175.0	1877.9	10.7	171.2	1782.6	10.4
MADHYA PRADESH	47.3	452.2	9.6	53.4	534.0	10.0	56.1	474.2	8.4
JHARKHAND	22.6	356.0	15.8	24.1	358.2	14.8	24.1	359.3	14.9
HIMACHAL PRADESH	23.2	258.4	11.2	23.7	280.2	11.8	23.9	271.1	11.3
PUNJAB	19.7	200.9	10.2	20.3	208.2	10.2	20.5	210.9	10.3
WEST BENGAL	21.7	131.0	6.1	21.8	132.1	6.1	21.9	133.5	6.1
HARYANA	13.8	91.4	6.6	15.1	107.5	7.1	15.4	108.8	7.1
UTTARAKHAND	11.7	78.1	6.7	11.7	78.3	6.7	12.8	84.0	6.6
BIHAR	9.9	82.1	8.3	10.0	88.7	8.9	10.2	67.2	6.6
JAMMU & KASHMIR	2.8	58.1	20.8	2.8	58.1	20.8	2.8	58.1	20.8
ODISHA	5.88	52.53	8.9	5.9	52.8	9.0	5.9	52.8	9.0
OTHERS	68.1	381.4	5.6	57.1	230.1	4.0	68.8	266.3	3.9
<b>TOTAL</b>	<b>408.24</b>	<b>3744.81</b>	<b>9.2</b>	<b>420.9</b>	<b>4006.2</b>	<b>9.5</b>	<b>433.6</b>	<b>3868.6</b>	<b>8.9</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING PEAS PRODUCING STATES (2013-14)



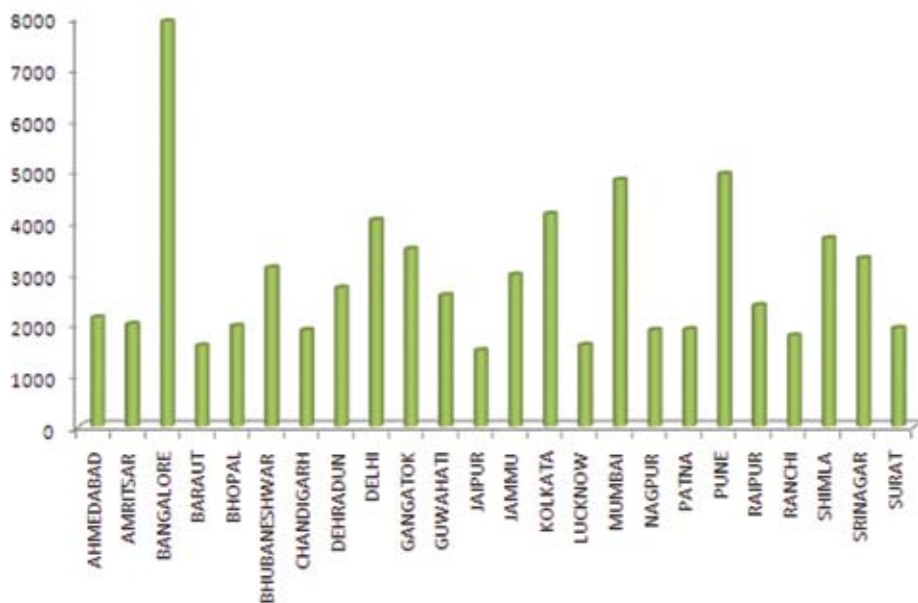
# MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF PEAS DURING THE PERIOD OF JANUARY TO DECEMBER-2014

Average wholesale price in Rs./Qtl.  
Total Arrival in M.T.

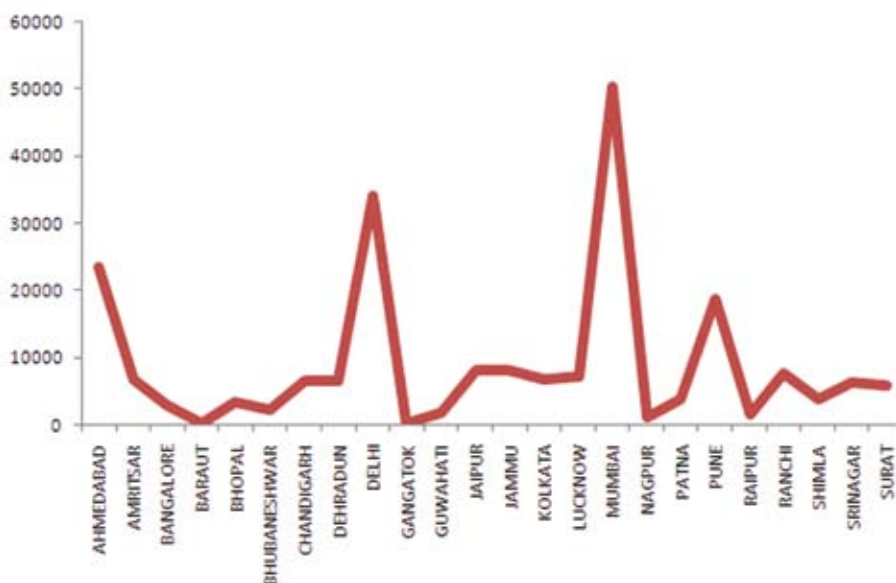
Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual			
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival				
AHMEDABAD	946	6510	1094	5143	1570	4299	2818	1117	2585	1649	3500	706	0	0	0	0	0	0	0	0	0	0	0	2468	3935	2140	23359	
AMRITSAR	1035	1830	819	1445	1085	848	1718	431	1604	733	0	0	0	0	0	0	0	0	4509	153	3481	577	1825	730	2010	6747		
BANGALORE	1808	455	1788	462	2854	314	6295	154	6940	298	13900	74	14946	83	13571	40	13288	202	6275	112	8948	167	4963	500	7931	2861		
BARAUT	1435	57	1330	34	2000	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1588	117	
BHOPAL	825	1154	1059	746	1777	474	0	0	0	0	0	0	0	0	0	1900	75	0	0	0	0	0	3230	209	3036	726	1971	3384
BHUBANESHWAR	1759	857	1220	725	1895	253	3092	47	4400	3	0	0	0	0	0	0	0	0	0	0	0	0	5436	39	4003	212	3115	2136
CHANDIGARH	1248	1433	1308	1181	1583	1228	2169	626	2504	167	0	0	1048	80	0	0	0	0	0	0	0	0	3472	502	1804	1272	1892	6489
DEHRADUN	1193	441	1071	307	1770	381	1689	711	1845	1365	2607	139	3556	109	5325	46	0	5107	43	4035	323	1764	2604	2724	6469			
DELHI	1262	7555	1236	4529	1890	4929	2206	2101	2627	1885	4006	1189	5533	959	6251	1027	7731	709	7642	826	5709	2320	2459	5970	4046	33999		
GANGATOK	3635	66	2767	57	3240	46	3382	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4392	23	3483	223	
GUWAHATI	1848	763	1846	683	3038	205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3573	152	2576	1803	
JAIPUR	1351	2136	1126	994	1428	439	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2073	4374	1495	7943	
JAMMU	1325	1622	1402	987	1498	1006	2609	606	1433	811	2506	793	3415	181	4843	87	4772	512	5085	509	4658	274	2159	591	2975	7979		
KOLKATA	1552	1929	1591	797	2026	271	2227	207	0	0	0	0	0	0	0	0	0	0	10904	63	7152	548	3693	2821	4164	6636		
LUCKNOW	839	3290	1395	1266	1574	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2590	2319	1600	7112
MUMBAI	1390	11086	1663	7870	2603	4127	3682	2945	3486	3840	5500	1485	8192	1305	7793	2375	6188	2470	8411	1205	6114	2639	2966	8757	4832	50304		
NAGPUR	1331	230	1232	500	1925	207	2275	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2700	84	1893	1053
PATNA	1168	1230	1340	820	1256	475	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3492	100	2278	1125	1907	3750
PUNE	1476	3410	2153	3171	2848	2292	5411	477	4763	88	8500	15	7906	1321	6505	1077	5679	1746	6608	816	4433	983	3105	3233	4949	18829		
RAIPUR	1244	731	1507	246	1719	101	1806	17	0	0	0	0	0	0	0	0	0	0	0	0	0	5307	118	2688	352	2379	1565	
RANCHI	1008	1856	676	3576	1008	692	0	0	0	0	0	0	2008	578	0	0	0	0	0	0	0	3230	326	2780	508	1785	7536	
SHIMLA	1629	438	1743	462	1926	544	2077	283	2294	295	2600	302	4482	267	6148	137	6836	161	7154	138	5257	127	2130	537	3690	3691		
SRINAGAR	1957	923	1993	745	2213	846	2592	453	2435	855	2296	756	3925	302	4455	44	5050	4	6129	28	4070	231	2573	1080	3299	6267		
SURAT	929	1925	996	2325	1991	1345	3813	137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1932	5732	



## Annual Wholesale Average Price Trend of Peas-2014



## Annual Total Arrival Trend of Peas-2014







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## TOMATO

Origin	- Peruvian & Mexican region
Major Producing State	- Bihar, Karnataka, Uttar Pradesh, Orissa, Andhra Pradesh, Maharashtra, Madhya Pradesh & Assam.
Latest Production	- 187.35 Lakh Tonnes
<b>Name of Variety</b>	<b>Recommended Areas</b>
IARI, New Delhi	All over India
Pusa-120	All over India
Pusa Ruby	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Pusa Sheetal	Punjab, U.P., Bihar, Rajasthan, Gujarat, Haryana and Delhi
Pusa Gaurav	Punjab, U.P., Bihar, Rajasthan, Gujarat, Haryana and Delhi
Pusa Uphar	NCR
Pusa Rohini	NCR
Pusa Sadabahar	H.P., J&K, Uttarakhand (Garhwal and Kumaon), Punjab, U.P., Bihar, Delhi, Goa, Gujarat, Maharashtra, Daman & Diu, Dadra & Nagar Haveli, A.P., Tamil Nadu, Karnataka and Haryana
Pusa Hybrid-2	Maharashtra, Jharkhand, Chhattisgarh, A.P., M.P., Odisha, Bihar, Karnataka, Rajasthan, Punjab, Gujarat and Tamil Nadu
Pusa Hybrid-4	Punjab, U.P., Bihar and Jharkhand
Pusa Hybrid-8	Punjab, U.P. and Bihar
Pusa Divya	Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, Arunachal Pradesh, Rajasthan, Gujarat, Haryana, Delhi, M.P. and Maharashtra
IIHR, Bengaluru	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar, Jharkhand, Karnataka, Tamil Nadu and Kerala
Arka Ananya	Punjab, Tarai region of U.P., Bihar, Jharkhand, Karnataka, Tamil Nadu and Kerala
Arka Vardan	Chhattisgarh, Odisha, Arunachal Pradesh, Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
Arka Vishal	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, A.P., Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Abhijit	All over India
Arka Vikas	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, A.P., Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Abha	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, A.P., Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Saurabh	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, A.P., Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Alok	J&K, H.P., Uttarakhand, Punjab, U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, A.P., Karnataka, Tamil Nadu and Kerala
IIVR, Varanasi	U.P., Bihar and Jharkhand
Kashi Vishesh	Chhattisgarh, Odisha, A.P. and M.P.
Kashi Amrit	J&K, H.P. and Uttarakhand
Kashi Hemant	Rajasthan, Gujarat and Haryana
Kashi Sharad	All over India
Kashi Anupam	
HAU, Hisar	
HS-101	



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HS-102	All over India
Hisar Lalit	All over India
Hisar Arun	All over India
Hisar Lalima	Haryana
HS-110	Haryana
AAU, Anand, Gujarat	
Gujarat Tomato-2	Middle Gujarat
Anand Tomato-3	Middle Gujarat
G.B.U.A.&T., Pant Nagar	
Pant Bahar	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant T-3	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant poly house tomato-1	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant poly house tomato hybrid-1	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
MPKV, Rahuri Dhanashree	Maharashtra
Phule Raja	Maharashtra
TANU, Coimbatore	
CO 1	Tamil Nadu
CO 2	Tamil Nadu
CO 3	Tamil Nadu
PKM 1	Tamil Nadu
Paiyur 1	Tamil Nadu
COTH 1	Tamil Nadu
COTH 2	Tamil Nadu
TNAU Tomato Hybrid Co3	Tamil Nadu
CSAUAT, Kanpur	
Azad T-5	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand
Azad T-6	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand
KTH-2 (Hybrid)	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand
KTH-1 (Hybrid)	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand

#### Major Tomato Growing Belts in India :

<b>Andhra Pradesh</b>	:	Adilabad, Anantapur, Chittoor, East Godavari, Karimnagar, Khammam, Mahbubnagar, Medak, Nalgonda, Nizamabad, Prakasam, Rangareddy, Vizianagaram, Warangal
<b>Arunachal Pradesh</b>	:	West Kameng, Twang, Lower Subansiri, Kurung Kumey, Upper Siang, Upper Dibang Valley
<b>Assam</b>	:	All districts of Assam
<b>Bihar</b>	:	Patna, Nalanda, Bhojpur, Aurangabad, Saran, Siwan, Gopalganj, East Champaran, West Champaran, Muzaffarpur, Sitamarhi, Vaishali, Bhagalpur, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Katihar, Saharsa, Madhepura
<b>Chhattisgarh</b>	:	Raipur, Baloda Bazar, Gariaband, Mahasamund, Durg, Balod, Dhamtari, Bemetara, Rajnandgaon, Janjgir-Champa, Kanker, Bilaspur, Mungeli, Korba, Raigarh, Jashpur, Surguja, Surajpur, Balrampur, Koriya, Kondagaon, Bijapur, Kabirdham, Dantewada, Sukma, Narayanpur
<b>Gujarat</b>	:	Anand, Kheda, Gandhinagar, Dang, Dahod, Narmada, Panchmahal, Banaskantha, Vadodara, Valsad, Sabarkantha, Bhavnagar
<b>Haryana</b>	:	Ambala, Yamunanagar, Kurukshetra, Karnal, Panipat, Sonapat, Rohtak, Jhajjar, Faridabad, Gurgaon, Mewat, Palwal, Bhiwani, Hisar, Fatehabad, Sirsa, Jind,
<b>Himachal Pradesh</b>	:	Solan (Solan, Kandaghat, Kunihar, Dhampur, Vaknaghat), Sirmour (Pacchad,



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	Sangarh, Rajgarh), Kullu (Kullu, Bajaura, Banjar)
<b>Jharkhand</b>	: Ranchi (Bundu, Tamar, Mandar, Angara), Khunti (Karra, Arki, Murhu, Raniya), Chatra (Simariya, Itkhori), Ramgarh, Hazaribagh, Gumla, Dumka, Palamu, East Singhbhum, West Singhbhum, Lohardaga
<b>Karnataka</b>	: Kolar, Belgaum, Bagalkot, Chitradurga, Bijapur, Chamarajanagar, Chikmagalur, Mandya, Bellary, Koppal, Gulburga, Bengaluru Rural, Chikkaballapur, Ramanagara, Davanagere, Mysore, Tumkur
<b>Madhya Pradesh</b>	: Ratlam, Indore, Kargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal, Shajapur, Jabalpur, Chhindwara, Satna Vidish, Bhopal
<b>Maharashtra</b>	: Nasik, Ahmednagar, Pune, Beed, Satara, Solapur, Chandrapur, Latur, Parbhani, Nagpur
<b>Manipur</b>	: Imphal Valley
<b>Meghalaya</b>	: All districts of Meghalaya
<b>Mizoram</b>	: Aizawl, Khawzawl, Lunglei, Tuidam, Saih
<b>Nagaland</b>	: Dimapur, Mokokchung, Wokha
<b>Odisha</b>	: Keonjhar (Hatadihi, Anandapur), Sambalpur (Padiabahal), Bolangiri (Patnagarh, Belpara, Murihahal), Nuapada (Khariar), Cuttack (Tigiria, Kishornagar, Baranga), Koraput (Semiliguda, Patangi, Kotpada, Boriguma), Nawarangpur (Umarkote)
<b>Punjab</b>	: Amritsar (Tarsika, Verka, Rayya, Jandiala Guru, Majitha), Patiala (Sanaur, Patiala, Rajpura, Ghanaur)
<b>Rajasthan</b>	: Ajmer, Jaipur, Dholpur, Alwar, Tonk, Bharatpur, Dausa, Ganganagar, Jalore, Jhalawar, Kota, Sirohi, Karoli
<b>Sikkim</b>	: North, East, West & South Districts
<b>Tamil Nadu</b>	: Vellore, Salem, Dharmapuri, Coimbatore, Periyar, Trichy, Madurai, Dindigul, Erode, Krishnagiri
<b>Tripura</b>	: West, South, Dhalai & North Districts
<b>Uttar Pradesh</b>	: Etah, Mainpuri, Agra, Kanpur-Nagar, Jalaun, Meerut, Aligarh, Unnao, Barabanki, Faizabad, Firozabad, Lucknow, Sultanpur, Ghaziabad, Kanshi Ram Nagar, Kanpur Dehat, Kannauj
<b>Uttarakhand</b>	: Champawat, Dehradun, Haridwar, Nainital, Pauri, Pithoragarh, Tehri, Udham Singh Nagar, Uttarkashi
<b>West Bengal</b>	: Murshidabad, Nadia, North 24 Parganas, South 24 Parganas, Jalpaiguri, Cooch Behar
Advanced Technology	- Use of Hybrid seeds.

#### Storage conditions

	<b>Mature Green</b>	<b>Pink</b>	<b>Ripe</b>
Temperature	: 13°-18° C	10 -130C	7-10°C
Relative Humidity	: 85-90%	-	--
Storage Period	: 2-3 weeks	7-10 days	3-5 days
Treatment for Quality	- Integrated Paste Management (IPM)		
Sensibility to	- Refrigeration and Freezing		



## HARVESTING SEASON OF TOMATO

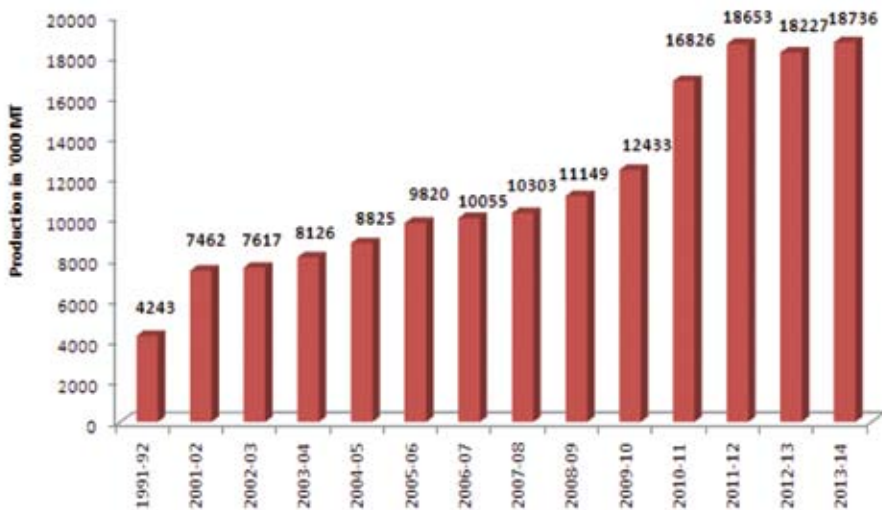
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## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF TOMATO

YEAR	AREA (IN '000 HA)	%OF TOTAL VEG. AREA	PRODUCTION (IN '000 MT)	%OF TOTAL VEG. PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	289.1	5.2	4243.4	7.2	14.7
2001-02	458.1	7.4	7462.3	8.0	16.3
2002-03	478.8	7.9	7616.7	9.0	15.9
2003-04	502.8	8.0	8125.6	8.7	16.2
2004-05	505.4	7.5	8825.4	8.7	17.5
2005-06	546.1	7.6	9820.4	8.9	18.0
2006-07	596.0	7.9	10055.0	8.7	16.9
2007-08	566.0	7.2	10303.0	8.0	18.2
2008-09	599.0	7.5	11149.0	8.6	18.6
2009-10	634.4	7.9	12433.2	9.3	19.6
2010-11	865.0	10.2	16826.0	11.5	19.5
2011-12	907.1	10.1	18653.3	11.9	20.6
2012-13	879.6	9.6	18226.6	11.2	20.7
2013-14	882.0	9.4	18735.9	11.5	21.2

## PRODUCTION TREND OF TOMATO



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF TOMATO

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

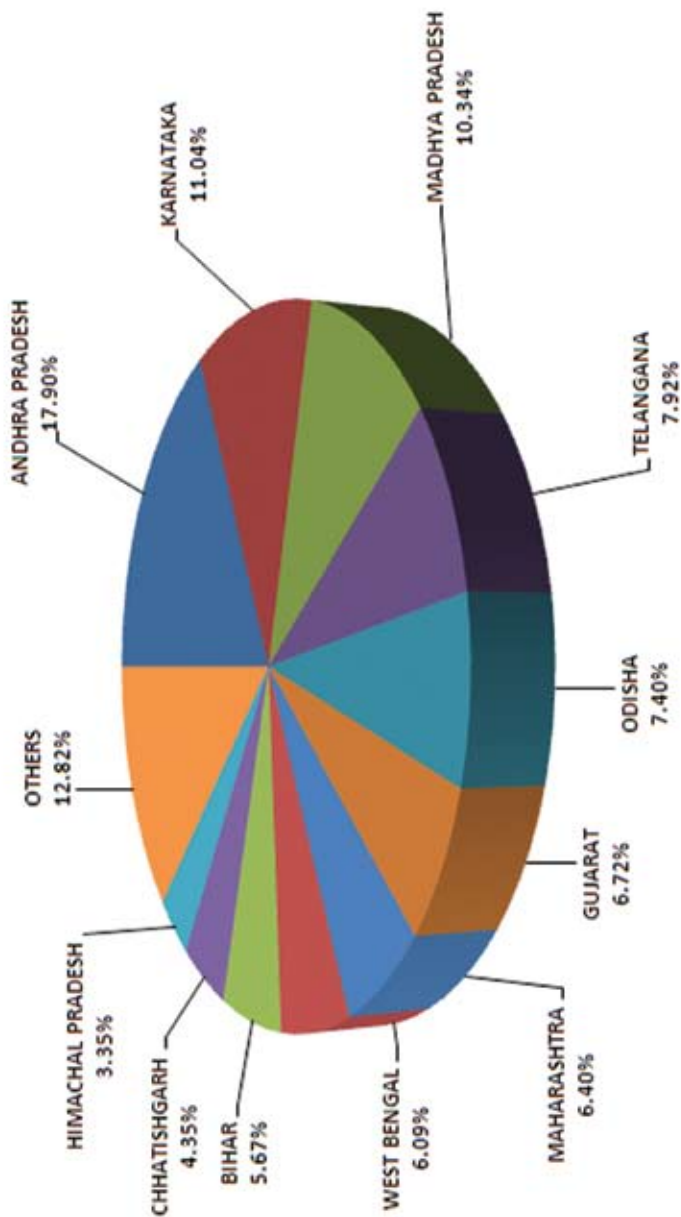
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
ANDHRA PRADESH	300.8	6015.1	20.0	260.91	5218.10	20.0	167.72	3354.47	20.0
KARNATAKA	56.6	1986.5	35.1	57.80	1916.60	33.2	61.04	2068.38	33.9
MADHYA PRADESH	55.3	1349.6	24.4	62.59	1845.00	29.5	65.72	1937.37	29.5
TELANGANA			Included in Andhra Pradesh				74.19	1483.71	20.0
ODISHA	96.7	1378.4	14.3	96.55	1382.78	14.3	97.02	1385.96	14.3
GUJARAT	42.1	1092.5	26.0	44.00	1156.72	26.3	44.57	1259.01	28.2
MAHARASHTRA	48.0	1007.0	21.0	50.00	1050.00	21.0	50.00	1200.00	24.0
WEST BENGAL	55.2	1104.5	20.0	56.00	1125.60	20.1	56.50	1141.50	20.2
BIHAR	47.2	1104.8	23.4	47.80	1126.25	23.6	47.69	1061.77	22.3
CHHATISHGARH	44.6	718.5	16.1	47.97	762.22	15.9	50.38	814.22	16.2
HIMACHAL PRADESH	10.0	400.0	40.0	9.93	413.71	41.7	29.42	627.28	21.3
OTHERS	150.59	2496.44	16.6	146.1	2229.7	15.3	137.8	2402.2	17.4
TOTAL	907.1	18653.3	20.6	879.6	18226.6	20.7	882.03	18735.91	21.2

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING TOMATO PRODUCING STATES (2013-14)





## MONTHLY AVERAGE WHOLESALERE PRICE & TOTAL ARRIVAL OF TOMATO DURING THE PERIOD OF JANUARY TO DECEMBER-2014

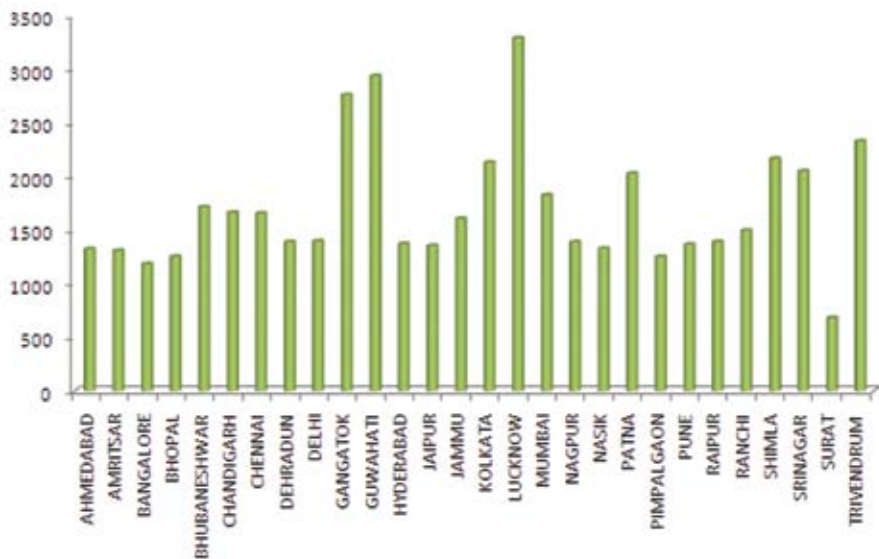
Average wholesale price in Rs./Qtl.  
Total Arrival in MT.

Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual				
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival					
AHMEDABAD	657	2332	378	1927	368	3186	377	3519	760	7429	882	9980	3406	6851	3500	5916	2256	8602	1343	7874	777	6553	1234	5985	1328	70154			
AMRITSAR	1081	1035	806	1155	963	845	771	788	615	1495	463	1315	1603	620	2965	512	2515	820	1783	770	909	970	1268	643	1312	10968			
BANGALORE	459	8172	326	9171	383	8903	614	671	1170	8238	848	8897	2704	9439	3130	13206	1412	12408	703	8390	855	18926	1650	17937	1188	129558			
BHOPAL	642	3757	365	3810	367	3623	543	3032	585	3822	772	3510	3386	1826	3206	1700	2286	2384	2855	733	3180	947	3137	1258	36636				
BHUBANESHWAR	1092	1350	822	1460	470	805	0	0	1400	40	1206	1060	3160	840	3707	1255	2359	1620	1782	2025	1402	1600	1515	1465	1720	13520			
CHANDIGARH	1656	1057	1198	1017	1324	1158	1350	816	1062	1046	886	1032	1640	1085	2773	821	2754	1071	2045	992	1663	915	1677	820	1669	11830			
CHENNAI	736	2570	536	2420	658	1680	1302	1310	1424	1875	1150	2185	3708	1970	4100	1544	1726	1775	1254	1715	1604	1985	1725	2095	1660	23124			
DEHRADUN	1207	635	960	471	1855	991	1246	873	737	1038	729	656	1754	3533	2575	1586	2194	819	1575	794	949	1193	1138	1223	1393	13812			
DELHI	1169	17937	930	15437	851	21959	1093	13213	433	10413	362	9799	1147	7381	4076	7434	2622	10467	1689	10531	937	12282	917	14883	1402	151736			
GANGATOK	1800	107	1488	110	1628	113	1882	87	1877	111	1760	100	3975	90	4359	91	3548	43	4459	62	3219	74	3212	88	2767	1074			
GUWAHATI	2115	678	1837	502	2324	380	2019	497	2269	365	3252	1895	3983	367	3027	317	3854	205	5193	196	2723	837	2725	777	2943	7016			
HYDERABAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2462	1238	1863	684	729	1005	883	648	943	1166	1376	4741		
JAIPUR	985	4646	735	5639	871	4650	840	2909	705	870	742	644	2353	1143	2765	3360	2000	5711	1670	6148	1067	8801	1564	5926	1358	50447			
JAMMU	1277	2675	1075	2585	1236	2761	1257	2289	787	3098	820	2614	1779	1746	2130	1972	3288	1454	2213	1825	1513	1876	1948	1732	1610	26827			
KOLKATA	1318	2745	852	1979	931	1577	1160	513	1458	963	1531	3762	4269	2370	4504	2004	3037	2289	2485	2160	2220	1574	1879	2155	2137	24091			
LUCKNOW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4495	874	4666	1112	3298	1477	2389	1386	0	0	1650	177	3300	5026
MUMBAI	942	7627	920	7008	788	5724	991	6213	1085	9437	1187	5151	4085	6089	4544	6329	2938	7732	1636	7614	969	6506	1894	7950	1830	83380			
NAGPUR	810	1750	700	1560	588	1790	792	1380	1328	1700	1119	1090	3084	780	3785	560	1802	790	1156	560	774	840	773	1410	1393	14210			
NASIK	762	1915	655	1898	681	1585	810	993	938	861	1047	595	2938	285	2861	490	1902	897	1490	950	661	2638	1243	970	1332	14077			
PATNA	1100	115	691	470	1044	1050	1094	890	882	895	1242	545	4134	360	4996	675	3547	1145	2587	1195	1658	1220	1413	854	2032	9414			
PIMPALGAON	691	2365	608	2377	619	1882	744	1221	885	1204	944	840	2839	461	2737	641	1802	1115	1480	1170	600	3026	1148	1285	1256	17587			
PUNE	624	2469	702	2723	572	2965	666	3403	830	3493	908	4230	2729	3510	3165	1555	2129	3293	1258	3355	744	2808	2105	3345	1369	37149			
RAIPUR	624	993	534	464	557	311	620	244	1031	278	1166	306	2862	327	3440	336	2236	391	1202	403	1285	389	1213	704	1396	5136			
RANCHI	794	1467	606	1710	768	1595	387	919	392	795	679	535	3257	184	4308	364	2858	875	1585	971	1411	651	1005	694	1503	10760			
SHIMLA	2075	261	1400	314	1610	320	1511	309	1283	464	1569	402	2164	377	4028	216	4168	231	2641	217	1780	356	1829	479	2172	3946			
SHRINAGAR	1989	935	1557	925	1737	1027	1623	925	1437	1425	1335	1017	2344	1038	2037	753	3400	115	3083	780	1839	1035	2282	1052	2055	11027			
SURAT	855	7135	617	6595	494	6505	775	880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	685	21125			
THIRUVENDRUM	1433	595	1319	551	1477	468	1668	406	1944	392	1858	531	4310	387	4129	364	2728	427	2147	429	2114	458	2700	400	2336	5408			

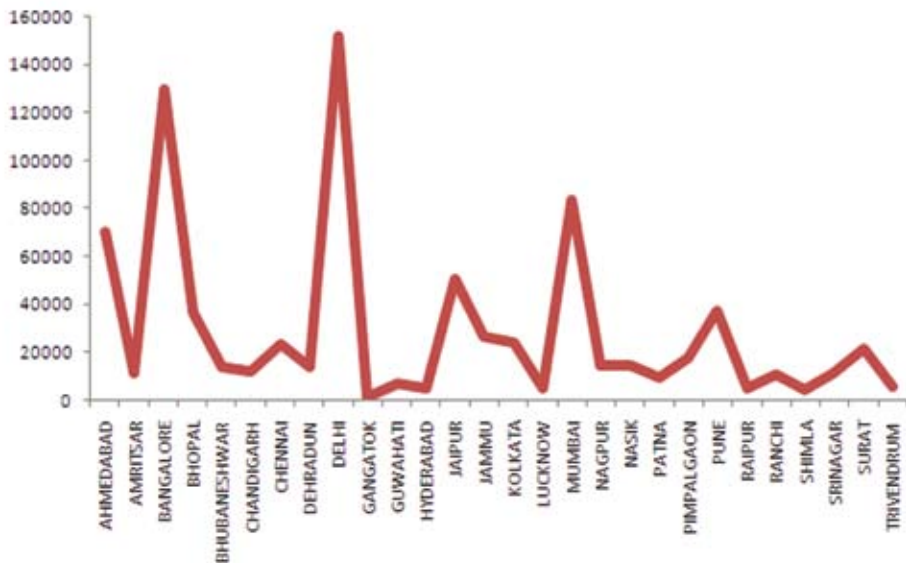




## Annual Wholesale Average Price Trend of Tomato-2014



## Annual Total Arrival Trend of Tomato-2014





## POTATO

Origin	- South America
Major Producing State	- Uttar Pradesh, Bihar, West Bengal, Punjab, Karnataka, Assam & Madhya Pradesh
Latest Production	- 415.55 Lakh Tonnes
<b>Name of Variety</b>	<b>Recommended States</b>
CPRI, Shimla	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Sindhuri	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, Tamil Nadu, Karnataka, Gujarat, M.P., Odisha, Chhattisgarh, Kerala and Andhra Pradesh
Kufri Chandramukhi	
Kufri Jyoti	H.P., J&K, Uttarakhand, A.P., Karnataka, Tamil Nadu, Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, Gujarat, M.P., Odisha, Chhattisgarh, Kerala, Andhra Pradesh and Maharashtra
Kufri Lauvkar	Tamil Nadu, Karnataka, Gujarat, M.P., Odisha, Chhattisgarh, Kerala, Andhra Pradesh, Rajasthan, U.P., Bihar and Maharashtra
Kufri Badshah	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, Tamil Nadu, Karnataka, Gujarat, M.P., Odisha, Chhattisgarh, Kerala and Andhra Pradesh
Kufri Bahar	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Swarna	Andhra Pradesh, Karnataka, Tamil Nadu and Kerala
Kufri Ashoka	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Pukhraj	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, Tamil Nadu, Karnataka, Gujarat, M.P., Odisha, Chhattisgarh, Kerala, Andhra Pradesh and Maharashtra
Kufri Chipsona-1	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Kanchan	West Bengal and Sikkim
Kufri Arun	Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Pushkar	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Shailja	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Chipsona-3	Bihar, Punjab, Maharashtra, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Surya	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, Tamil Nadu, Karnataka, Gujarat, M.P., Odisha, Chhattisgarh, Kerala, Andhra Pradesh and Maharashtra
Kufri Himalini	H.P., J&K and Uttarakhand
Kufri Himsona	H.P., J&K, Uttarakhand, Arunachal Pradesh, Assam, Manipur, Meghalaya, Andhra Pradesh, Tamil Nadu, Kerala, Karnataka, Gujarat, Madhya Pradesh, Chhattisgarh, Bihar, Rajasthan, Mizoram, Nagaland, Sikkim, Tripura and West Bengal
Kufri Sadabahar	Uttar Pradesh, Uttarakhand, Bihar, Madhya Pradesh, Rajasthan, Delhi, Haryana, Jharkhand
Kufri Girdhari	H.P., J&K, Uttarakhand, Arunachal Pradesh, Assam, Manipur, Meghalaya, Andhra Pradesh, Tamil Nadu, Kerala, Karnataka, Gujarat, Madhya Pradesh, Chhattisgarh, Bihar, Rajasthan, Mizoram, Nagaland, Sikkim, Tripura and West Bengal
Kufri Khyati	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Frysona	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Chipsona-4	Madhya Pradesh, West Bengal, Karnataka and Maharashtra



### Major Potato Growing Belts in India:

Andhra Pradesh	:	Medak, Chittoor
Assam	:	Shivsagar, Darrang, Barpeta, Kamroop, Dhubri, Kokrajhar, Bangaigaon, Sonitpur, Nagagaon
Bihar	:	Patna, Nalanda, Bhojpur, Buxar, Rohtas, Kaimur, Gaya, Jehanabad, Arwal, Nawada, Aurangabad, Saran, Siwan, Gopalganj, East Champaran, West Champaran, Muzaffarpur, Sitamarhi, Sheohar, Vaishali, Bhagalpur, Banka, Munger, Sheikhpura, Lakhisarai, Jamui, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Araria, Kishanganj, Katihar, Saharsa, Madhepura, Supaul
Chhattisgarh	:	Raipur, Baloda Bazar, Gariaband, Mahasamund, Durg, Bemetara, Rajnandgaon, Bilaspur, Mungeli, Janjgir-Champa, Korba, Raigarh, Jashpur, Surguja, Surajpur, Balrampur, Koriya, Dhamtari, Jagdalpur
Gujarat	:	Kheda, Gandhinagar, Patan, Mehsana, Sabarkantha, Banaskantha
Haryana	:	Panchkula, Ambala, Yamunanagar, Kurukshetra, Kaithal, Karnal, Panipat, Sonapat, Rohtak, Faridabad, Hisar, Fatehabad, Jind
Himachal Pradesh	:	Lahul & spiti (Lahul, Keylong, Kazza), Shimla (Rohroo, Theog), Una (Una, Haroli, Gagret, Amb)
Jharkhand	:	Ranchi (Bero), Ramgarh (Gola), Hazaribagh, Dumka, Gumla
Karnataka	:	Kolar, Belgaum, Dharwad, Hassan, Chikmagalur, Chikkaballapur, Bengaluru Rural
Madhya Pradesh	:	Shajapur, Jabalpur, Indore, Chhindwara, Satna, Dewas, Morena, Sagar, Damoh, Ujjain, Bhopal, Khandwa, Dhar, Khargone, Mandsaur, Ratlam
Maharashtra	:	Satara, Pune, Buldhana, Gondia, Wardha, Parbhani, Kolhapur, Wasim, Ahmednagar
Meghalaya	:	East Khasi Hills, West Khasi Hills, Jaintia Hills, East Garo Hills, West Garo Hills and South Garo Hills
Mizoram	:	Aizawl, Khawzawi, Lunglei, Saiha
Nagaland	:	Kohima, Wokha, Mokokchung, Zunheboto, Tuensang, Phek, Dimapur
Odisha	:	Puri (Nimapara), Cuttack (Baialish Mouza, Tigiria), Khordha (Balipatna), Koraput (Semiliguda, Potangi, Nandapur)
Punjab	:	Jalandhar (East Jalandhar, West Jalandhar, Bhogpur), Hoshiarpur (Hoshiarpur 1, Hoshiarpur 2, Haryana), Kapurthala (Kapurthala, Sultanpur Lodhi)
Rajasthan	:	Bharatpur, Dholpur
Sikkim	:	North, South, East and districts of Sikkim
Tamil Nadu	:	Dhindigul, Erode, Nilgiris
Tripura	:	West, South, Dhalai & North Districts
Uttar Pradesh	:	Agra, Firozabad, Kannauj, Hathras, Farrukhabad, Aligarh, Etawah, Badaun, Kanpur Nagar, Mainpuri, Allahabad, Mathura, Jaunpur, Hardoi, Barabanki, Moradabad, Shahjahanpur, Ghaziabad, Pratapgarh, Fatehpur, Auraiya, Kaushambi, Kanpur Dehat
Uttarakhand	:	Almora, Chamoli, Champawat, Dehradun, Haridwar, Nainital, Pithoragarh, Tehri, Udham Singh Nagar, Uttarkashi, Pauri
West Bengal	:	Hooghly, Bardhaman, Khabra, Paschim Medinipur, Bankura

Advanced Technology - Use of TPS (True Potato Sees)

### Storage conditions

	Fresh	Frozen
Temperature	: 3-4° C	-23 to -18° C
Relative Humidity	: 90-95%	Vapor-tight Packing
Storage Period	: 5-10 months	1 year +
Sensibility to	- Refrigeration and Freezing	



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## HARVESTING SEASON OF POTATO

STATE/UT'S	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ANDHRA PRADESH												
ARUNACHAL PRADESH												
ASSAM												
BIHAR												
CHHATTISGARH												
DELHI												
GOA												
GUJARAT												
HARYANA												
HIMACHAL PRADESH												
JAMMU & KASHMIR												
JHARKHAND												
KARNATAKA												
KERALA												
MADHYA PRADESH												
MAHARASHTRA												
MANIPUR												
MEGHALAYA												
MIZORAM												
NAGALAND												
ODISHA												
PUNJAB												
RAJASTHAN												
SIKKIM												
TAMIL NADU												
TRIPURA												
UTTAR PRADESH												
UTTARAKHAND												
WEST BENGAL												
ANDAMAN & NICOBAR												
CHANDIGARH												
DADAR & NAGAR HAVELI												
DAMAN & DIU												
LAKSHADWEEP												
PUDUCHERRY												
*INFORMATION NOT AVAILABLE                 ROUND THE YEAR                 PEAK SEASON                 LEAN SEASON												



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF POTATO

YEAR	AREA (IN '000 HA)	%OF TOTAL VEG. AREA	PRODUCTION (IN '000 MT)	%OF TOTAL VEG. PRODUCTION	PRODUCTIVITY (IN MT/HA)
1991-92	1135.1	20.3	18195.0	31.1	16.0
2001-02	1259.5	20.5	24456.1	26.1	19.4
2002-03	1337.2	22.0	23161.4	27.3	17.3
2003-04	1484.7	23.5	27925.8	30.0	18.8
2004-05	1523.9	22.6	28787.7	28.4	18.9
2005-06	1569.2	21.9	29174.6	26.4	18.6
2006-07	1743.0	23.0	28600.0	24.9	16.4
2007-08	1795.0	22.9	34658.0	27.0	19.3
2008-09	1828.0	22.9	34391.0	26.6	18.8
2009-10	1835.3	23.0	36577.3	27.3	19.9
2010-11	1863.0	21.9	42339.0	28.9	22.7
2011-12	1907.0	21.2	41482.8	26.5	21.8
2012-13	1992.2	21.6	45343.6	28.0	22.8
2013-14	1973.2	21.0	41555.4	25.5	21.1

## PRODUCTION TREND OF POTATO



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF POTATO

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

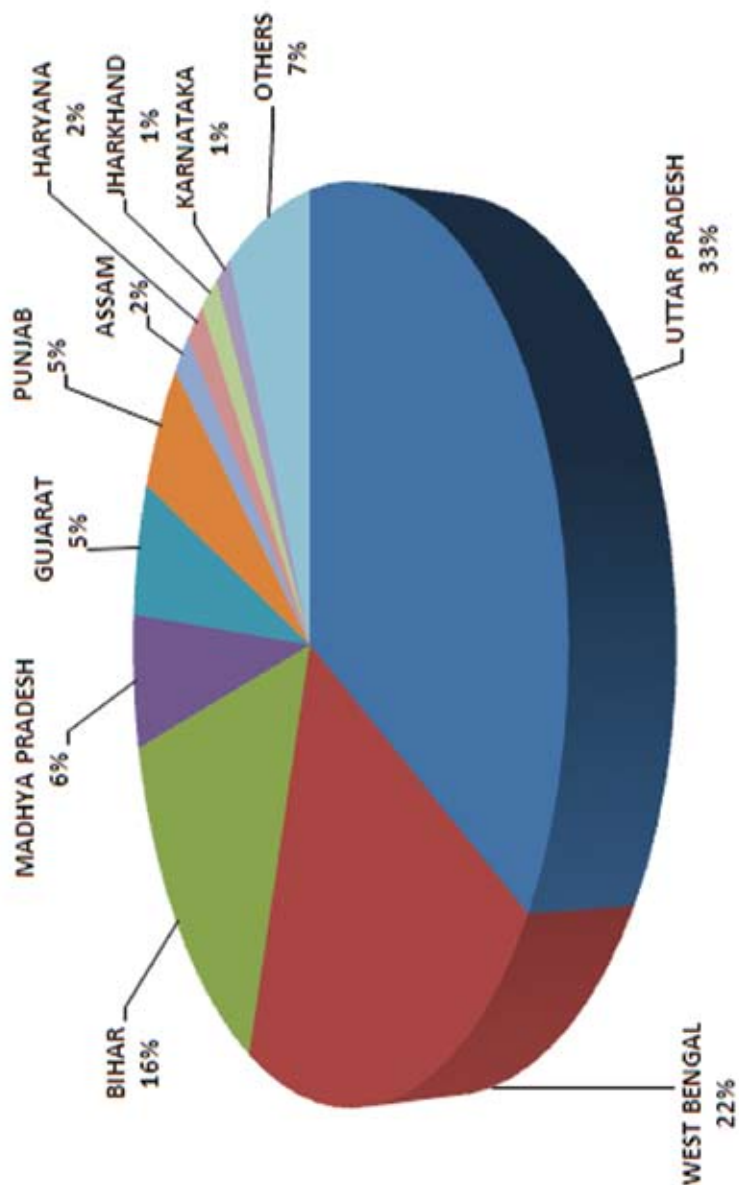
STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
UTTAR PRADESH	567.7	14125.1	24.9	603.8	14430.3	23.9	564.3	13808.8	24.5
WEST BENGAL	376.8	9693.3	25.7	386.6	11591.3	30.0	412.3	9030.0	21.9
BIHAR	315.2	6101.7	19.4	322.5	6640.5	20.6	318.5	6535.0	20.5
MADHYA PRADESH	88.0	1816.7	20.6	108.9	2299.0	21.1	110.0	2322.4	21.1
GUJARAT	80.7	2395.0	29.7	81.3	2499.7	30.8	73.6	2267.4	30.8
PUNJAB	84.1	2104.0	25.0	85.3	2132.3	25.0	87.2	2189.2	25.1
ASSAM	89.4	783.4	8.8	99.8	975.3	9.8	98.0	700.1	7.1
HARYANA	27.8	618.9	22.2	29.5	676.0	22.9	30.0	696.5	23.2
JHARKHAND	45.8	652.8	14.3	47.2	659.6	14.0	49.1	653.1	13.3
KARNATAKA	45.2	483.0	10.7	44.4	698.3	15.7	40.7	539.7	13.3
OTHERS	186.5	2709.0	14.5	183.1	2741.2	15.0	189.7	2813.2	14.8
<b>TOTAL</b>	<b>1907.0</b>	<b>41482.8</b>	<b>21.8</b>	<b>1992.2</b>	<b>45343.6</b>	<b>22.8</b>	<b>1973.2</b>	<b>41555.4</b>	<b>21.1</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## LEADING POTATO PRODUCING STATES (2013-14)







## MONTHLY AVERAGE WHOLESALE PRICE & TOTAL ARRIVAL OF POTATO DURING THE PERIOD OF JANUARY TO DECEMBER-2014

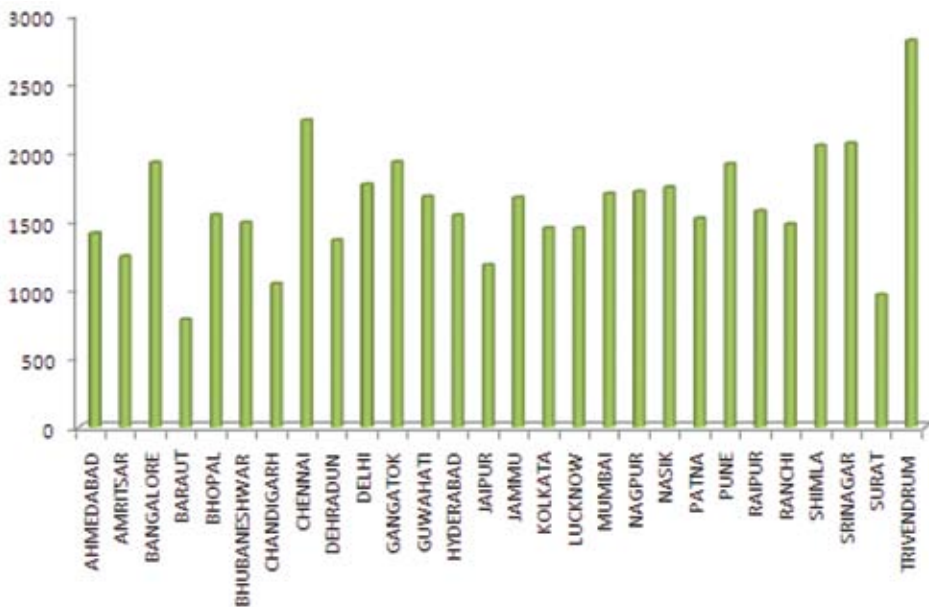
Average wholesale price in Rs./Qtr.  
Total Arrival in M.T.

Center name	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		Annual	
	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	Arrival	Price	
AHMEDABAD	951	13233	728	13828	919	17489	1167	10475	1334	10582	1394	2155	1504	12363	1750	327	1849	10704	1824	10273	1886	11689	1497	11765	1409	124893
AMRITSAR	787	4985	719	5845	857	3050	1028	1880	1196	1615	1197	785	1478	535	1538	653	1807	683	1915	428	1614	635	752	2140	1241	23014
BANGALORE	1332	23404	1097	21368	1247	24728	1653	17573	1928	21086	2156	24084	2144	24823	2163	24128	2429	38122	2348	18832	2443	18239	2140	30633	1923	287000
BARAUT	804	398	745	287	796	315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	782
BHOPAL	786	3747	724	3449	863	3110	1302	2898	1402	3813	1544	3665	1900	120	1948	1805	2008	4524	2252	3270	2363	3035	1436	2725	1544	36161
BHUBANESHWAR	995	2350	743	8330	949	9430	1151	8830	1285	8330	1379	7070	1487	7340	2041	5080	2304	5045	2029	8070	2226	5800	1280	420	1487	74095
CHANDIGARH	669	4193	502	2372	666	2225	952	1675	1179	1575	1112	1605	1263	2015	1292	1735	1434	1812	1526	1457	1159	710	740	2115	1041	23489
CHENNAI	1683	6540	1433	6500	1532	6720	2009	6530	2088	5580	2156	6810	2346	5200	2878	4865	2704	6500	2940	5040	5920	2292	5960	2230	72065	
DEHRADUN	721	1740	724	1258	882	2148	1137	1685	1079	2127	1274	1448	1824	2144	1684	2254	1773	2744	2327	1134	1939	3121	972	3371	1358	25154
DELHI	952	32608	806	26059	1017	27947	1305	25083	1479	22918	1930	19690	2147	24042	2524	24213	3040	29770	3006	22806	2101	33601	863	36916	1764	325653
GANGATOK	1558	113	1250	133	1056	133	1295	115	1588	149	1537	19690	1542	23386	1815	24213	2500	5	2678	70	3195	78	3115	100	1927	68185
GUWAHATI	1003	5030	658	7940	964	6420	1270	5010	1585	3430	1588	5130	1831	4240	2077	4342	2520	1973	2414	1907	2546	3915	1654	3248	1676	52585
HYDERABAD	1084	3205	741	4142	1187	2131	1206	2021	1242	3341	1325	2880	1565	3188	1950	5640	2274	4119	2025	1168	1750	1025	2136	2565	1540	35426
JAIPUR	755	3714	715	2049	864	3648	1023	1946	1124	1321	1137	2583	1454	1280	1388	1718	1441	1760	1547	1561	1535	1220	1159	12102	1179	34902
JAMMU	942	2910	800	2842	1132	2220	1384	1821	1558	1786	1631	1373	2176	1193	2348	1942	2314	1427	2345	1609	2174	3985	1236	2169	1668	25077
KOLKATA	1051	6532	716	7076	918	8426	1182	5032	1390	1971	1460	297	1461	8461	1718	4869	1834	4910	1787	5100	2350	76	1499	9739	1447	62489
LUCKNOW	751	4678	696	4807	889	3681	1179	2324	1400	1985	1430	250	1780	1712	1863	1466	1945	1655	2144	1374	2220	1274	1051	3070	1447	28276
MUMBAI	1285	32199	1075	24513	1220	23211	1495	26525	1595	37216	1742	21740	1814	28536	1977	30634	1994	32112	2051	34335	2152	22147	1958	41987	1697	355165
NAGPUR	1100	3400	979	4010	1085	3590	1363	3560	1494	4290	1449	4230	1653	2560	2059	2970	2323	4010	2404	3450	2460	3410	2178	8330	1712	47810
NASIK	1224	3160	1133	4150	1245	4355	1498	3715	1647	3290	1646	2650	1747	2120	1843	150	2294	819	2220	775	2210	260	2208	2875	1743	28319
PATNA	889	4165	774	1585	1014	1750	1320	1515	1499	1745	1561	2190	1657	2120	1970	1960	2107	2070	2137	1880	2158	420	1117	2505	1517	23805
PUNE	1250	13830	1164	11274	1352	15642	1518	18229	1686	19755	1817	18213	2154	14833	2333	16073	2441	19988	2500	18415	2583	13196	2145	20450	1912	197898
RAIPUR	1032	3411	849	2294	915	1166	1173	997	1360	135	1449	4230	1653	2560	2059	2970	2323	4010	2404	3450	2460	3410	1178	2432	1571	31065
RANCHI	1072	5800	813	5393	956	6041	1291	4500	1303	5295	1381	5075	1551	5903	1870	4850	1895	5573	1824	5340	2285	2785	1464	6001	1475	62556
SHIMLA	1273	854	1393	727	1484	794	1428	733	1910	656	2004	673	2525	659	2408	637	3170	658	3258	573	2313	688	1395	887	2047	8539
SRINAGAR	1913	1395	1529	1503	1437	1930	1398	2050	1940	1650	2028	1410	2146	1560	2266	1175	2550	205	2706	852	2483	1115	2361	500	2063	15345
SURAT	996	6340	652	6675	973	5520	1225	720	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	962	19255
TRIVENDRUM	2500	665	1867	611	1943	480	2318	2628	2625	409	2714	569	2892	485	3436	415	3420	410	3524	405	3381	446	3111	481	2811	8014

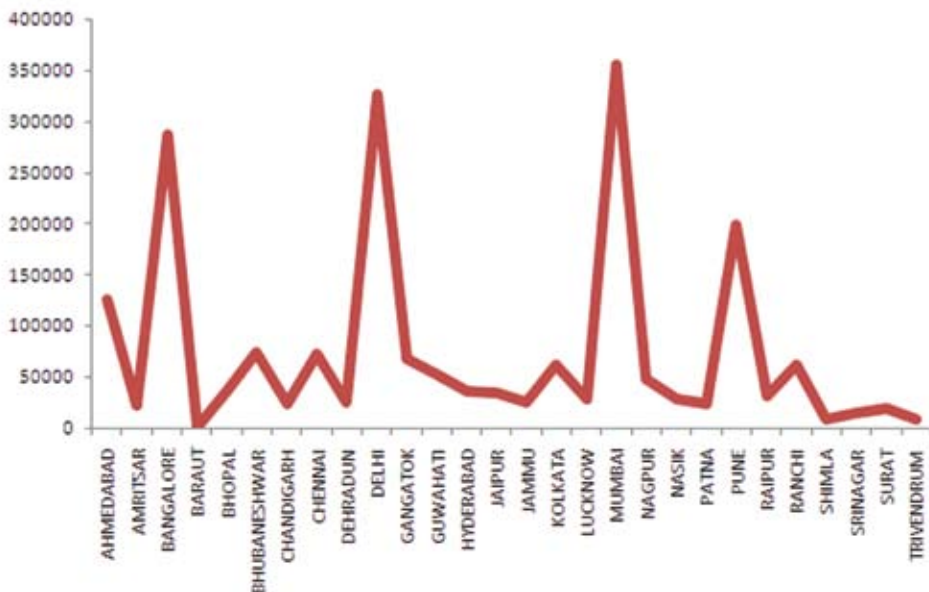




## Annual Wholesale Average Price Trend of Potato-2014



## Annual Total Arrival Trend of Potato-2014



## SWEET POTATO

It is grown as a starch food crop throughout the tropical, subtropical and frost-free temperate climatic zone in the world.

Major Producing State - Orissa, Bihar, Uttar Pradesh & Madhya Pradesh

Latest Production - 10.87 Lakh Tonnes

### Post Harvest Management:

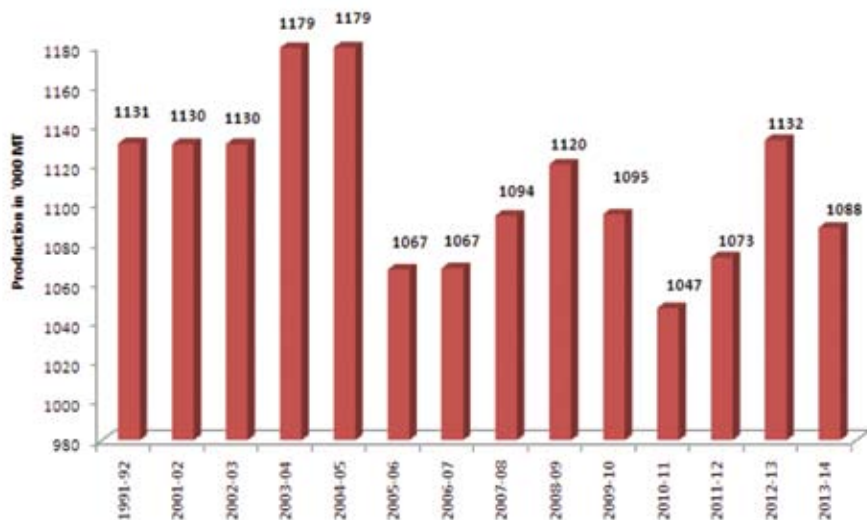
After harvest, tubers are spread in the partial shade for 5-6 days, for healing & curing. They should be stored in semi-dark condition in a well-ventilated room. This type of storage invites infestation of pest and diseases. In some part of the country tubers are stored in a layer of dry sand/soil after curing under ambient condition. For storing, graded tubers free from sweet potato weevil and bruises should be selected. Farmers store the graded tubers by keeping in a pit shade and covering the pit with paddy straw. Finally, the heap is plastered with mud or cow dung slurry.



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF SWEET POTATO

YEAR	AREA (IN '000 HA)	PRODUCTION (IN '000MT)	PRODUCTIVITY (IN MT/HA)
1991-92	136.5	1130.7	8.3
2001-02	131.9	1130.3	8.6
2002-03	131.9	1130.3	8.6
2003-04	133.1	1179.1	8.9
2004-05	133.3	1179.4	8.8
2005-06	122.8	1066.5	8.7
2006-07	123.0	1067.2	8.7
2007-08	123.0	1094.0	8.9
2008-09	124.0	1120.0	9.0
2009-10	118.9	1094.7	9.2
2010-11	113.0	1047.0	9.3
2011-12	110.4	1072.8	9.7
2012-13	111.8	1132.4	10.1
2013-14	105.9	1087.9	10.3

## PRODUCTION TREND OF SWEET POTATO



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

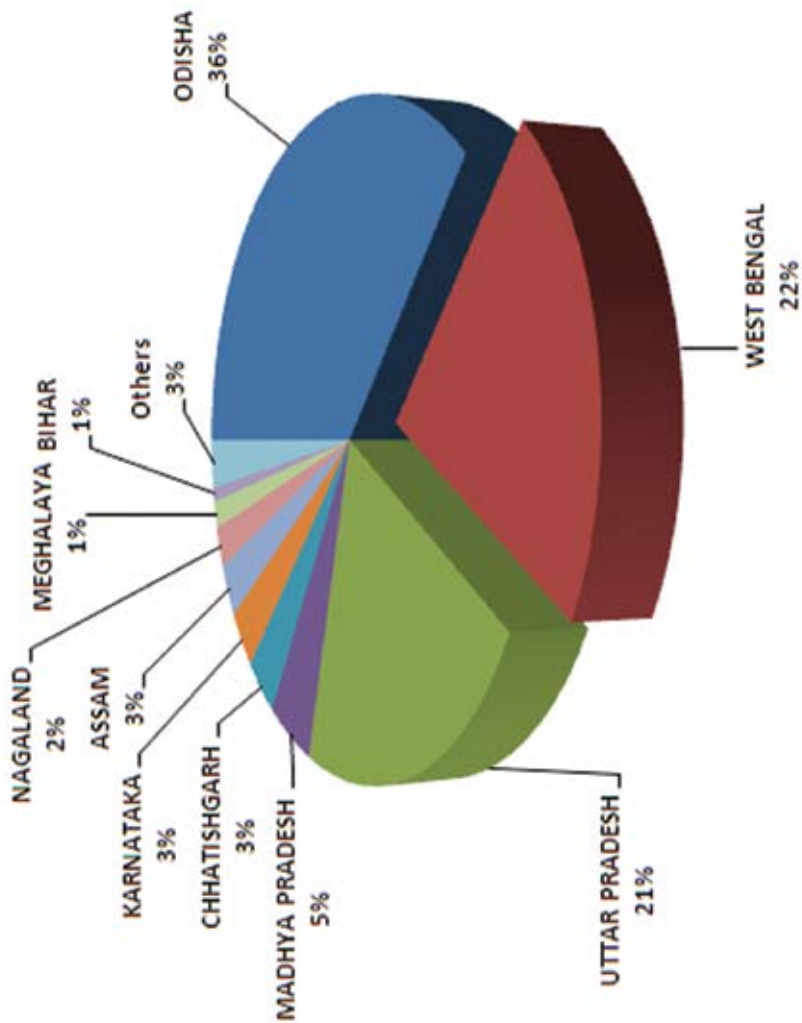
## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF SWEET POTATO

Area in '000 HA, Production in '000 MT and Productivity = MT/HA

STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
ODISHA	43.8	412.7	9.4	43.5	410.1	9.4	42.0	396.2	9.4
WEST BENGAL	23.0	237.0	10.3	22.9	236.1	10.3	22.8	236.0	10.4
UTTAR PRADESH	17.4	226.0	13.0	18.8	264.8	14.1	17.5	230.5	13.1
MADHYA PRADESH	2.2	24.1	11.0	2.5	45.0	17.9	2.8	49.5	17.9
CHHATTISGARH	3.6	35.6	10.0	3.7	37.8	10.2	3.4	35.8	10.6
KARNATAKA	2.7	35.5	13.1	2.5	34.7	13.9	2.3	34.2	14.8
ASSAM	9.3	36.4	3.9	9.6	41.0	4.3	6.1	30.5	5.0
NAGALAND	0.9	9.2	9.8	1.5	15.0	10.0	1.6	23.4	15.0
MEGHALAYA	4.4	14.6	3.3	4.4	15.1	3.4	4.5	15.6	3.5
BIHAR	0.5	9.5	20.8	0.5	9.8	21.0	0.9	8.3	9.8
OTHERS	2.7	32.3	11.8	1.8	23.0	12.6	2.1	27.9	13.2
<b>TOTAL</b>	<b>110.4</b>	<b>1072.8</b>	<b>9.7</b>	<b>111.8</b>	<b>1132.4</b>	<b>10.1</b>	<b>105.9</b>	<b>1087.9</b>	<b>10.3</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## LEADING SWEET POTATO PRODUCING STATES (2013-14)



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## TAPIOCA

Cassava (*Manihot esculenta*). Popularly known as Tapioca, produces more calories/ unit area.

Major Producing Status : Tamil Nadu, Karnataka and Andhra Pradesh

Main Varieties : Co 1, Co 2, Co 3, H 97, H 165, H 226, KMC 1, M4, Nidhi, Sree Harsha, Sree Prakash, Sree Sahya, Sree Visakham

Latest Production : 81.39 Lakh Tones

### HARVESTING AND POSTHARVEST MANAGEMENT:

The crop is ready 10-11 months after planting. Short duration varieties can be harvested 6-7 months after planting. Delay in harvesting may result in deterioration in cooking quality of the tubers. High- yielding varieties produce 35-40 tones/ha in 10 -11 months. Whereas short –duration ones (6-7 months) yield 28-30 tones/ha.

About 70% of the total cassava production is used as food either directly or in processed form. Parboiled chips is a method of processing cassava tuber for storage. These chips are harder than the lain sundried chips due to the partial gelatinization. They can be stored for a longer period than sun dired chips. ‘Sago’ is an important food product derived form cassava starch.



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF TAPIOCA

YEAR	AREA (IN '000 HA)	PRODUCTION (IN '000MT)	PRODUCTIVITY (IN MT/HA)
1991-92	250.9	5832.5	23.2
2001-02	238.9	6515.9	27.3
2002-03	207.0	5426.2	26.2
2003-04	220.0	5949.6	27.0
2004-05	244.7	7462.8	30.5
2005-06	244.6	7854.9	32.1
2006-07	255.0	8232.0	32.3
2007-08	270.0	9056.0	33.5
2008-09	280.0	9623.0	34.4
2009-10	231.9	8059.9	34.8
2010-11	221.0	8076.0	36.5
2011-12	226.7	8746.5	38.6
2012-13	207.0	7236.6	35.0
2013-14	228.3	8139.4	35.7

## PRODUCTION TREND OF TAPIOCA



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

## STATEWISE AREA, PRODUCTION AND PRODUCTIVITY OF TAPIOCA

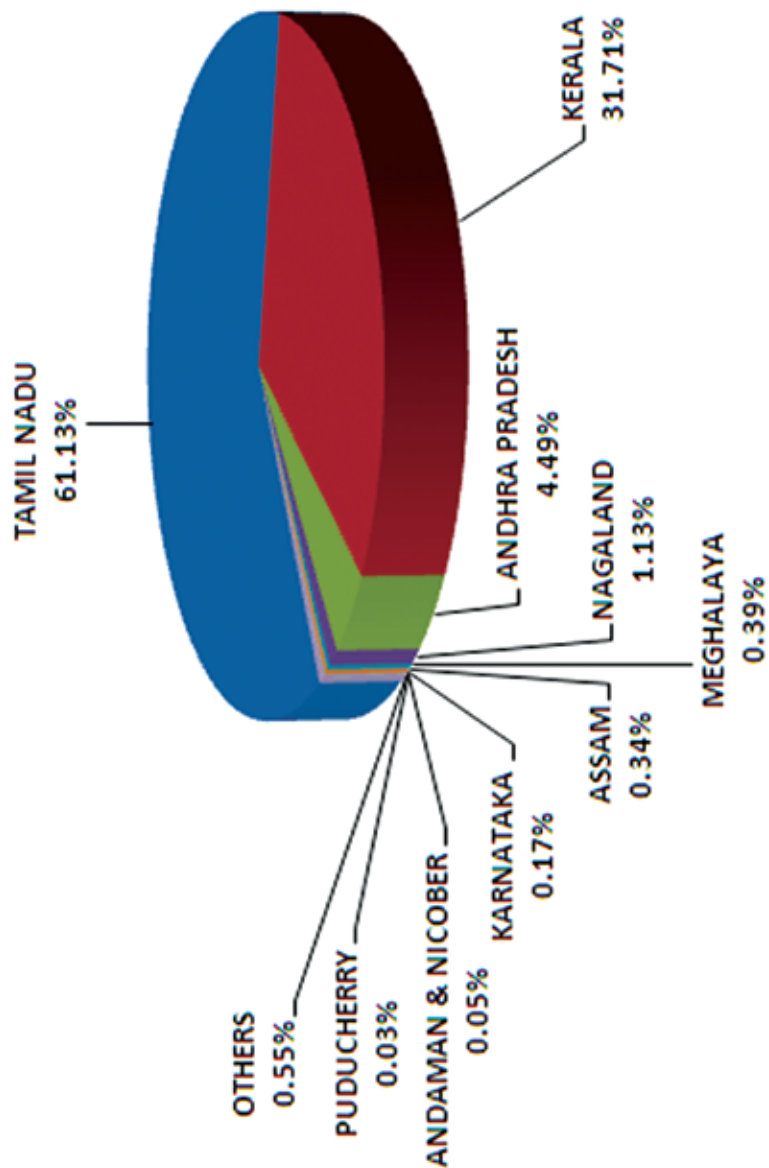
Area in '000 HA, Production in '000 MT and Productivity = MT/HA

STATE	2011-12			2012-13			2013-14		
	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.	AREA	PRODUCTION	PDY.
TAMIL NADU	140.0	5964.5	42.6	113.8	4523.2	39.8	120.6	4975.6	41.3
KERALA	72.5	2637.2	36.4	69.6	2458.5	35.3	71.1	2581.4	36.3
ANDHRA PRADESH	3.1	61.8	20.0	5.5	109.8	20.0	18.3	365.2	20.0
NAGALAND				6.0	50.0	8.3	6.2	92.3	15.0
MEGHALAYA	5.3	28.2	5.3	5.6	30.0	5.4	5.3	32.0	6.0
ASSAM	4.3	33.5	7.9	4.5	38.3	8.6	3.1	27.6	8.8
KARNATAKA	1.0	12.8	12.8	1.1	13.9	12.6	1.2	13.5	11.6
ANDAMAN & NICOBAR	0.3	2.1	7.6	0.3	2.1	7.9	0.2	4.3	17.7
PUDUCHERRY	0.2	5.5	24.9	0.5	7.7	17.0	0.1	2.6	25.7
OTHERS	0.1	1.1	11.9	0.2	2.9	14.0	2.3	45.2	20.0
<b>TOTAL</b>	<b>226.7</b>	<b>8746.6</b>	<b>38.6</b>	<b>207.0</b>	<b>7236.6</b>	<b>35.0</b>	<b>228.3</b>	<b>8139.4</b>	<b>35.7</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



## LEADING TAPIOCA PRODUCING STATES (2013-14)





## ARECANUT

Arecanut or betnut or supari is chewed both as raw nut and after processing. Owing to the medicinal properties. It is used in treating leucoderma, cough, fits, worms, anemia and obesity.

**Major Producing States :** Kerala, Karnataka, Assam, West Bengal and Tamil Nadu.

**Latest Production :** 6.22 Lakh Tonnes

### Name of Variety

### Recommended States

Mangala	Karnataka, Kerala, Assam, Meghalaya, Maharashtra, Andhra Pradesh, Odisha, Tamil Nadu, Tripura, West Bengal, Puducherry, Goa and Andaman & Nicobar Islands
Sumangala	Kerala, Karnataka, Assam, Meghalaya, Maharashtra, Andhra Pradesh, Odisha, Tamil Nadu, Tripura, West Bengal, Puducherry, Goa and Andaman & Nicobar Islands
Sreemangala	Kerala, Karnataka, Assam, Meghalaya, Maharashtra, Andhra Pradesh, Odisha, Tamil Nadu, Tripura, West Bengal, Puducherry, Goa and Andaman & Nicobar Islands
Mohitnagar	West Bengal, Karnataka, Kerala, Assam, Meghalaya, Maharashtra, Andhra Pradesh, Odisha, Tamil Nadu, Tripura, West Bengal, Puducherry and Andaman & Nicobar Islands
Swarnamangala	Karnataka, Kerala, Meghalaya, Odisha, Maharashtra, Andhra Pradesh, Tamil Nadu, Tripura, West Bengal, Puducherry and Andaman & Nicobar Islands
Kahikuchi	Assam and Meghalaya
VTLAH-1	Kerala, Karnataka, Meghalaya, Maharashtra, Andhra Pradesh, Odisha, Tamil Nadu, Tripura, West Bengal, Puducherry, Goa and Andaman & Nicobar Islands
VTLAH-2	Kerala, Karnataka, Meghalaya, Maharashtra, Andhra Pradesh, Odisha, Tamil Nadu, Tripura, West Bengal, Puducherry, Goa and Andaman & Nicobar Islands

**Dr. Balasaheb Sawant Konkan Krishi Vidhyapeeth, Dapoli, Maharashtra**

**Shreewardhanee** Maharashtra

### Major Arecanut Growing Belts in India :

<b>Andaman &amp; Nicobar Islands :</b>	All parts of Andaman & Nicobar Islands
<b>Andhra Pradesh :</b>	Vizianagaram, West Godavari, Krishna, Anantapur
<b>Assam :</b>	Barpeta, Baksa, Bongaigaon, Chirang, Dibrugarh, Goalpara, Golaghat, Jorhat, Kamrup, Kokrajhar, Lakhimpur, Nagaon, Nalbari, Sonitpur, Tinsukia, Udalguri
<b>Karnataka :</b>	Tumkur, Chikmagalur, Bengaluru, Shimoga, Uttara & Dakshina Kannada, Udipi, Chitradurga, Davanagere
<b>Kerala :</b>	Kasaragod, Kannur, Malapuram, Palakkad, Kozhikode, Wayanad, Ernakulam, Thrissur
<b>Maharashtra :</b>	Ratnagiri, Sindudurg, Raigad, Thane
<b>Meghalaya :</b>	East Khasi Hills, Jaintia Hills, West Garo Hills, East Garo Hills
<b>Odisha :</b>	Balasore, Bhadrak, Cuttack, Dhenkanal, Ganjam, Jagatsinghpur, Jajapur (Jajpur), Puri
<b>Puducherry :</b>	Mahe
<b>Tamil Nadu :</b>	Salem, Coimbatore, Kanyakumari, Namakkal, Dharmapuri, Erode
<b>Tripura :</b>	Dhalai, North, South & West Districts
<b>West Bengal :</b>	Jalpaiguri, Cooch Behar, 24 Parganas (North & South), Howrah, Nadia, Darjeeling

### POSTHARVEST MANAGEMENT

The most important trade types of arecanuts are dried ripe nuts (chali or kotapak), kalipak and scented supari. To prepare chali or kotapak, ripe nuts are dried under the sun for 35-40 days. These are then dehusked and marketed as whole nuts. A mechanical through flow drier as well as a dehusking device have been developed. The well known grades of chali in decreasing order of sizes are moti, srivardhan, Jamnagar and jinni.

Kalipak is processed in Kerala and Karnataka. Lylon, mainly consumed in Tamil Nadu and Andhra Pradesh. Nuli is a variety made from very tender nuts. Scented supari, popular in north and central India, is of chali and kalipak types.

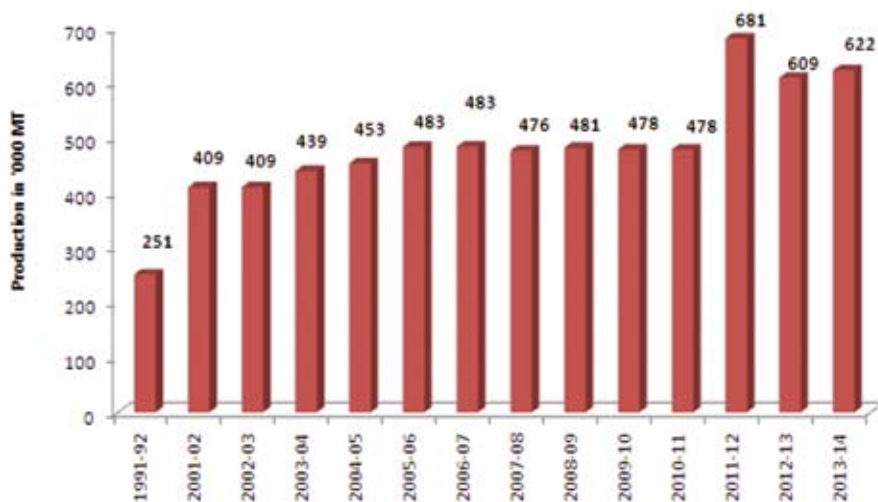
Scented supari, popular in north and central India, is of two types. The first is made from chali and the other from kalipak. Chali and ripe arecanut which leave a large fibrous residue in the mouth are used along with betel leaf and slaked lime.



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF ARECANUT

YEAR	AREA (IN '000 HA)	PRODUCTION (IN '000MT)	PRODUCTIVITY (IN MT/HA)
1991-92	221.8	251.0	1.1
2001-02	334.8	409.3	1.2
2002-03	334.8	409.3	1.2
2003-04	365.0	439.2	1.2
2004-05	364.3	452.7	1.2
2005-06	381.1	483.1	1.3
2006-07	382.7	483.3	1.3
2007-08	386.6	476.0	1.2
2008-09	387.1	481.3	1.2
2009-10	400.1	478.0	1.2
2010-11	400.1	478.1	1.2
2011-12	463.9	680.7	1.5
2012-13	446.4	608.7	1.4
2013-14	451.9	622.3	1.4

## PRODUCTION TREND OF ARECANUT



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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## CASHEWNUIT

It is cultivated widely throughout the tropics for its kernels. In India It is grown in the west coast, east coast and a few plain areas parts in Karnataka and Madhya Pradesh. The highest productivity is noticed in Maharashtra.

Latest Production	: 7.53 Lakh Tonnes
Name of Variety	Recommended States
Madakkathara-1	Kerala
Madakkathara-2	Kerala
Kanaka	Kerala
Dhana	Kerala, Odisha, Karnataka and Assam
Amrutha	Kerala
Priyanka	Kerala
K-22-1	Kerala
Vengurla-4	Maharashtra, Andhra Pradesh, Karnataka, Goa, Odisha, Gujarat, Jharkhand, Assam, Chhattisgarh, Meghalaya, Tripura, Andaman & Nicobar Islands, Puducherry and West Bengal
Vengurla-6	Maharashtra
Vengurla-7	Maharashtra, Karnataka, Goa, Assam, Meghalaya, Tripura, Gujarat, Andaman & Nicobar Islands and Puducherry
BPP-4	Andhra Pradesh
BPP-6	Andhra Pradesh
BPP-8 (H2/16)	Andhra Pradesh, West Bengal, Odisha, Jharkhand and Chhattisgarh
Vridhachalam-3 (M26/2)	Tamil Nadu, Kerala, Goa, Andaman & Nicobar Islands and Puducherry
Ullal-1	Karnataka
Ullal-2	Karnataka and Assam
Ullal-3	Karnataka, Assam, Meghalaya and Tripura
Ullal-4	Karnataka, Assam, Meghalaya and Tripura
Chintamani-1	Karnataka
Un-50	Karnataka
NRCC-2	Karnataka
Jhargram-1	West Bengal and Odisha
Bhubaneswar-1	Odisha
Goa-1	Goa

### Major Cashewnut Growing Belts in India :

Andhra Pradesh	:	Srikakulam, Visakhapatnam, East Godavari, West Godavari, Khammam, Vizianagaram
Chhattisgarh	:	Bastar Region, Raigarh
Goa	:	North and South Goa
Gujarat	:	Valsad
Jharkhand	:	East & West Singhbhum, Saraikela, Jamtara, Pakur, Dumka, Deoghar
Karnataka	:	Kolar, Uttara & Dakshina Kannada, Shimoga, Bidar, Udupi, Belgaum, Chikkaballapur
Kerala	:	Kasaragod, Kannur, Malappuram, Kozhikode, Palakkad, Thiruvananthapuram, Kollam



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Maharashtra	:	Ratnagiri, Sindhudurg, Raigad, Kolhapur, Thane
Meghalaya	:	East Garo Hills, West Garo Hills
Puducherry	:	Puducherry, Karaikal
Odisha	:	Dhenkanal, Cuttack, Nayagarh, Ganjam, Kendujhar (Keonjhar), Koraput, Jajapur (Jaipur), Mayurbanj, Khurda
Tamil Nadu	:	Cuddalore, Pudukkottai, Tiruchirappalli, Villupuram, Perambalur, Ariyalur
Tripura	:	South Tripura
West Bengal	:	Midnapur (East & West), Purulia

#### POST HARVEST MANAGEMENT:

Cashewnuts are harvested during February –May. Only fully mature nuts should be harvested. Usually, the nuts are picked after they fall of from the trees. Best quality nuts are obtained where freshly fallen fruits are collected. The apples are removed and the nuts are sun-dried for 2-3 days to reduce moisture from 25% to below 9% with proper drying. The kernels retain their quality, particularly the flavor.

However, if cashew apples are used for processing. It is better to harvest them from the without damaging the apples. The mature nuts sink in water while the immature/unfilled once float. This test could be used to find out whether the nuts are mature or not. The nuts should be collected at weekly interval in the season. Ripe apple for fresh use should be picked almost daily. The area under trees should be weed –free and swept clean to facilitate nut collection.



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF CASHEWNUT

YEAR	AREA (IN '000 HA)	PRODUCTION (IN '000MT)	PRODUCTIVITY (IN MT/HA)
1991-92	534	305	0.6
2001-02	740	460	0.6
2002-03	740	460	0.6
2003-04	780	535	0.7
2004-05	820	544	0.7
2005-06	843	579	0.7
2006-07	854	620	0.7
2007-08	868	665	0.8
2008-09	893	695	0.8
2009-10	923	613	0.7
2010-11	953	675	0.7
2011-12	979	725	0.7
2012-13	992	753	0.8
2013-14	1011	753	0.7

## PRODUCTION TREND OF CASHEWNUT



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



## COCONUT

It is a commercial crop in India. Tamil Nadu, Andhra Pradesh, Karnataka and Maharashtra are the major producing states.

Latest Production : 149.11 lakh Tonnes

### Name of Variety

### Recommended States

West Coast Tall	Kerala, Karnataka, Maharashtra, Goa, Tamil Nadu, Andhra Pradesh, Bihar, Andaman & Nicobar Islands, Gujarat, Lakshadweep and Puducherry
East Coast Tall	Odisha, Assam, West Bengal, Bihar, Andhra Pradesh, Meghalaya and Tripura
Tiptur Tall	Karnataka
Andaman Ordinary	Kerala and Andaman & Nicobar Islands
Gangabondam	Andhra Pradesh
Chowghat Green Dwarf	Kerala, Karnataka, Andhra Pradesh, Tamil Nadu, Odisha, Andaman & Nicobar Islands, West Bengal, Goa, Gujarat, Assam, Bihar and Maharashtra
Malayan Orange Dwarf	Kerala, Karnataka, Andhra Pradesh, Tamil Nadu, Odisha, Andaman & Nicobar Islands and West Bengal
Malayan Green Dwarf	Kerala, Karnataka, Andhra Pradesh, Tamil Nadu, Odisha and West Bengal

### Central Plantation Crops Research Institute, Kasaragod, Kerala

Kalpa Pratibha	Kerala, Karnataka, Maharashtra and Tamil Nadu
Kalpa Dhenu	Kerala, Karnataka, Maharashtra, Tamil Nadu and Andaman & Nicobar Islands
Kalpa Mitra	Kerala, Karnataka, Maharashtra, Tamil Nadu and West Bengal
Kalparaksha	Kerala
Kalpa Samrudhi	Kerala and Assam
Kalpa Sankara	Kerala
Kalpasree	Kerala
Kalpatharu	Karnataka, Kerala and Tamil Nadu
Chandra Kalpa	Tamil Nadu, Andhra Pradesh, Maharashtra, Kerala and Karnataka
Kera Chandra	Kerala, Karnataka, Maharashtra, Andhra Pradesh and West Bengal
Chowghat Orange Dwarf	Kerala, Karnataka, Andhra Pradesh, Tamil Nadu, Odisha, Andaman & Nicobar Islands, West Bengal, Goa, Gujarat, Assam, Bihar and Maharashtra
Kera Sankara	Kerala, Andhra Pradesh, Maharashtra and Karnataka
Chandra Sankara	Kerala, Karnataka and Tamil Nadu
Chandra Laksha	Kerala, Lakshadweep and Karnataka

### Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu

VPM-3	Tamil Nadu
ALR(CN)-1	Tamil Nadu
VHC1	Tamil Nadu
VHC 2	Tamil Nadu
VHC 3	Tamil Nadu

### Junagadh Agricultural University, Junagadh, Gujarat

Kerasagara	Kerala
Coconut Hybrid Mahuva	Gujarat



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#### **Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Maharashtra**

Pratap Maharashtra

Banawali Maharashtra

Konkan Bhatye

Coconut.Hybrid-1 Maharashtra

#### **Indira Gandhi Agriculture University, Raipur, Chhattisgarh**

Indira Nariyal-1 Chhattisgarh

#### **Assam Agricultural University, Jorhat, Assam**

Kamrup Assam

Kahikuchi Coconut Hybrid-1 Andhra Pradesh

#### **Dr. Y.S.R. Horticultural University, Tadepalligudem, Andhra Pradesh**

Gauthami Ganga Chhattisgarh, Andhra Pradesh, Maharashtra and Tamil Nadu

Godavari Ganga Andhra Pradesh

Kera Bastar Chhattisgarh, Andhra Pradesh, Maharashtra and Tamil Nadu

#### **Coconut Research Station, Veppankulam, Kerala**

Kera Keralam Kerala, Tamil Nadu and West Bengal

#### **Kerala Agricultural University, Thrissur, Kerala**

Keraganga Kerala

Anandaganga Kerala

Kerasree Kerala

Kerasowbhagya Kerala

#### **Bidhan Chand Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal**

Kalyani Coconut-1 West Bengal

#### **Major Coconut Growing Belts in India:**

**Andaman & Nicobar Islands** : All parts of Andaman & Nicobar Islands

**Andhra Pradesh** : East Godvari, Guntur, Khammam, Krishna, Kurnool, Nellore, Prakasam, Srikakulam, Visakhapatnam, Vizianagaram, West Godavari

**Assam** : Barpeta, Baksa, Bongaigaon, Cachar, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Jorhat, Karbi Anglong, Kamrup, Karimganj, Kokrajhar, Lakhimpur, Marigaon, N.C. Hills, Nagaon, Nalbari, Sibsagar, Sonitpur, Tinsukia, Udalguri

**Bihar** : Purnia, Saharsa, Katihar, Madhepura, Bhagalpur

**Chhattisgarh** : Bastar, Jagdalpur, Kondagaon, Narayanpur, Dantewada, Sukma, Bijapur

**Goa** : North & South Goa

**Gujarat** : Amreli, Anand, Vadodara, Bharuch, Bhavnagar, Jamnagar, Junagadh, Kutch, Navsari, Porbandar, Surat, Valsad

**Karnataka** : Bagalkot, Bengaluru (Rural & Urban), Belgaum, Bellary, Bijapur, Chamarajanagar, Chickmagalore, Chickballapur, Chitradurga, Davanagere, Dharwad, Gadag, Gulbarga, Hassan, Haveri, Kodagu, Kolar, Koppal, Mandya, Mysore, Raichur, Ramanagara, Shimoga, Tumkur, Udupi, Uttara & Dakshina Kannada

**Kerala** : Alappuzha, Ernakulam, Idukki, Kannur, Kasaragod, Kollam, Kottayam, Kozhikode, Malappuram, Palakkad, Pathanamthitta, Thiruvananthapuram, Thrissur, Wayanad





Lakshadweep	:	All parts of Lakshadweep
Maharashtra	:	Raigad, Ratnagiri, Sindhudurg, Thane
Meghalaya	:	East Khasi Hills, Jaintia Hills, West Garo Hills, East Garo Hills
Odisha	:	Angul, Balasore, Bargarh, Bhadrak, Balangir, Boudh, Cuttack, Deogarh, Dhenkanal, Gajapati, Ganjam, Jagatsinghpur, Jajapur (Jajpur), Jharsuguda, Kalahandi, Kendrapara, Kendujhar (Keonjhar), Khariar, Khurda, Koraput, Malkangiri, Mayurbhanj, Nabarangpur, Nayagarh, Nuapada, Phulbani, Puri, Rayagada, Sambalpur, Sundergarh
Puducherry	:	Karaikal, Mahe, Puducherry, Yanam
Tamil Nadu	:	Ariyalur, Coimbatore, Cuddalore, Dharmapuri, Dindigul, Erode, Kanchipuram, Kanyakumari, Karur, Krishnagiri, Madurai, Nagapattinam, Perambalur, Pudukkottai, Ramanathapuram, Salem, Sivaganga, Thanjavur, Nilgiris, Theni, Tiruchirappalli, Thiruvallur, Tiruvannamalai, Thoothukudi, Tirunelveli, Tiruppur, Vellore, Villupuram, Virudhunagar
Tripura	:	Dhalai District, North, South & West District
West Bengal	:	Bankura, Birbhum, Burdwan, Cooch Behar, Uttar & Dakshin Dinajpur, Darjeeling, Hooghly, Howrah, Jalpaiguri, Malda, Midnapore (East & West), Murshidabad, 24 Parganas (North & South), Nadia, Purulia
Main Varieties	:	There are two type of varieties of coconuts, i.e. Tall and Dwarf. Tall – West Coast Tall, Laccadive Ordinary. East coast Tall and Andaman Ordinary. Dwarf- Chowghat Green Dwarf, Chowghat, Orange Dwarf, Gangabondam and Gudanjali Dwarf.

#### POST HARVEST MANAGEMENT:

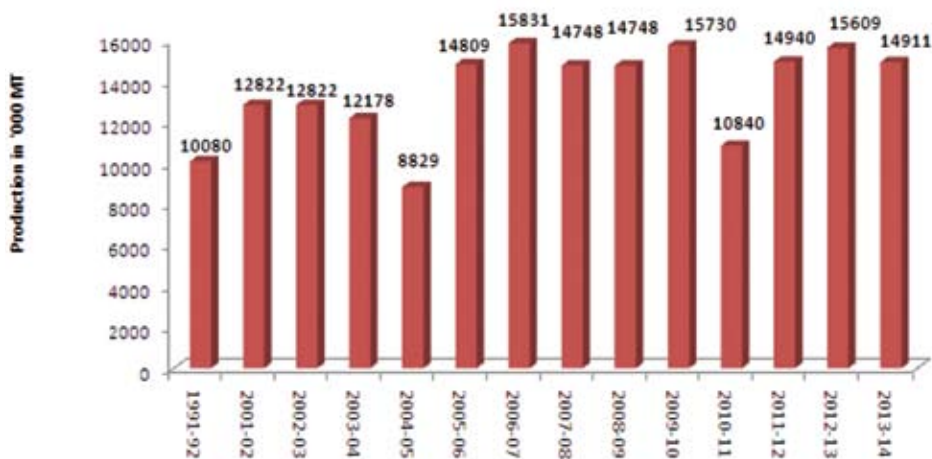
Post Harvest Management of coconut involves its conversion into copra and coconut oil. Coconut husk is used to manufacture coir mat. Cushion and other products. Two forms of copra are manufactured. There are copra and milling copra. However, milling copra is manufactured commercially. Milling copra is most popular coconut is southern state. In Kerala, 60-65 % of the total coconut produced is converted into milling copra.



## ALL INDIA AREA, PRODUCTION AND PRODUCTIVITY OF COCONUT

YEAR	AREA (IN '000 HA)	PRODUCTION (IN '000MT)	PRODUCTIVITY (IN MT/HA)
1991-92	1529	10080	7
2001-02	1893	12822	7
2002-03	1893	12822	7
2003-04	1934	12178	6
2004-05	1935	8829	5
2005-06	2029	14809	7
2006-07	1940	15831	8
2007-08	1903	14748	8
2008-09	1903	14748	8
2009-10	1895	15730	8
2010-11	1896	10840	6
2011-12	2071	14940	7
2012-13	2137	15609	7
2013-14	2140	14911	7

## PRODUCTION TREND OF COCONUT



Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



## COCOA

It is an important commercial crop grown the world over. In India, It is being cultivated in Kerala, Karnataka and Tamil Nadu. The current area under cocoa, however, is very small. There is a lot of potential for area expansion as a mixed crop. Kerala accounts for about 76 % of the area and 78% of the total production in the country. The remaining area and productions is contributed by Karnataka. It is being grown in some pockets in Tamil Nadu and Andhra Pradesh also.

**Latest Production** : 0.15 Lakh Tonnes

Name of Variety	Recommended States
VTLCC-1	Karnataka, Kerala and Tamil Nadu
VTLCH-1	Karnataka, Kerala, Tamil Nadu, Andhra Pradesh, Maharashtra, Goa, Meghalaya, Puducherry, Andaman & Nicobar Islands, Assam, West Bengal and Odisha
VTLCH-2	Karnataka, Kerala, Tamil Nadu, Andhra Pradesh, Maharashtra, Meghalaya, Goa, Puducherry, Andaman & Nicobar Islands, Assam, West Bengal and Odisha
VTLCH-3	Karnataka, Kerala, Tamil Nadu, Andhra Pradesh, Maharashtra, Goa, Meghalaya, Puducherry, Andaman & Nicobar Islands, Assam and West Bengal
VTLCH-4	Karnataka, Kerala, Tamil Nadu, Andhra Pradesh, Maharashtra, Meghalaya, Puducherry, Andaman & Nicobar Islands, Assam, West Bengal and Goa
CCRP-1	Kerala, Karnataka, Tamil Nadu and Andhra Pradesh
CCRP-2	Kerala, Karnataka, Tamil Nadu and Andhra Pradesh
CCRP-3	Kerala and Karnataka
CCRP-4	Kerala, Karnataka, Tamil Nadu and Andhra Pradesh
CCRP-5	Kerala
CCRP-6	Kerala
CCRP-7	Kerala, Karnataka, Tamil Nadu and Andhra Pradesh
CCRP-8	Kerala, Karnataka, Tamil Nadu and Andhra Pradesh
CCRP-9	Kerala, Karnataka, Tamil Nadu and Andhra Pradesh
CCRP-10	Kerala, Karnataka, Tamil Nadu and Andhra Pradesh

### Major Cocoa Growing Belts in India :

<b>Andaman &amp; Nicobar Islands:</b>	All parts of Andaman & Nicobar Islands
<b>Andhra Pradesh</b>	: East Godavari, West Godavari, Visakhapatnam, Vizianagaram, Krishna, Khammam
<b>Assam</b>	: Barpeta, Baksa, Bongaigaon, Cachar, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Goalpara, Golaghat, Hailakandi, Jorhat, Karbi Anglong, Kamrup, Karimganj, Kokrajhar, Lakhimpur, Marigaon, N.C. Hills, Nagaon, Nalbari, Sibsagar, Sonitpur, Tinsukia, Udalguri
<b>Goa</b>	: North & South Goa
<b>Karnataka</b>	: Uttara & Dakshina Kannada, Shimoga, Mysore, Davanagere, Kodagu, Mandya, Chickmagalore, Hassan, Tumkur
<b>Kerala</b>	: Idukki, Kottayam, Malappuram, Trissur, Kozhikode, Kasaragod
<b>Maharashtra</b>	: Raigad, Ratnagiri, Sindhudurg, Thane
<b>Meghalaya</b>	: East Khasi Hills, Jaintia Hills, West Garo Hills, East Garo Hills



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<b>Odisha</b>	: Balasore, Bhadrak, Cuttack, Dhenkanal, Ganjam, Jagatsinghpur, Jajapur (Jajpur), Puri
<b>Puducherry</b>	: Karaikal, Mahe, Puducherry, Yanam
<b>Tamil Nadu</b>	: Coimbatore, Erode, Thanjavur, Tiruchirappalli, Salem, Theni, Madurai
<b>West Bengal</b>	: Jalpaiguri, Cooch Behar, 24 Parganas (North & South), Howrah, Nadia, Darjeeling

### Main Varieties

There are three types cocoa varieties. They are Criollo, Forastero and Trinitaro . Croillo and Forastero are naturally evolved varieties. Criollo types produced best quality cocoa. Forastero types are sturdy. They survive under adverse conditions. Trinitario types have characters of both these types.

### POST HARVEST MANNAGEMENT :

The harvested pods are broken for extraction of beans by hitting them on a hard surface. The beans are then extract excluding the placenta. The pods may be kept up to a week before breaking and extracting beans for fermentations. The fermented beans have a moisture content of about 55%. The beans are to be skin dried within 24 hr, after fermentation to avoid mound growth. During drying biochemical oxidation of excess acetic acid from the bans takes place.

Dry cocoa beans can be store be stored for a long period under suitable conditions. The storage life is decided by the relative humidity and temperature prevailling in the store house. It is found that at 85% relative humidity, the bean moisture contents exceeds 8%. The practice followed at present is to shift the beans to other regions of the country where the conditions are suitable.



### Indian Noni Cultivation State Wise List

Sr. No.		Planted Area	
		Number of Cultivators	Area (Acre)
1.	Maharashtra	34	166
2.	Karnataka	22	120
3.	Orissa	6	43
4.	Andhra Pradesh	6	30
5.	Gujarat	8	42
6.	Rajasthan	2	10
7.	Tamil Nadu	1	5
8.	Madhya Pradesh	9	45
9.	Andaman & Nikobar Islands	260	192
	Total Cultivation of Noni In India	348	653

Noni known as Indian mulberry (*Morinda citrifolia*) is an evergreen shrub or small tree that grows 10-20 feet height. The leaves are thick, shiny, dark green, and deeply veined. The fruits have an unusual shape and about 2-4 inches long, ovoid, and yellowish-white, and become quite soft at maturity.

This small evergreen tree has large bright green elliptical leaves. The fruit is borne on stalks that arise opposite to an unpaired leaf. The fruit starts out as a small lump that swells, produces flower, then forms into the fruit.

**Soil, Climate and Temperature :**Can be grown in adverse climatic conditions, even it grows well in any type of degraded and unfertile land with any type of soil. Performs very well in sandy loam soil. Tropic - subtropics / heavy rainfall to drought hit areas. Tolerates to saline, alkaline, water logging, severe drought and heavy wind. Mean annual temperature 20-450

Noni : *Morinda Citrifolia* L.

Source : World Noni Research Foundation





## **CHAPTER - III**

# **Export of Horitculture Produce**



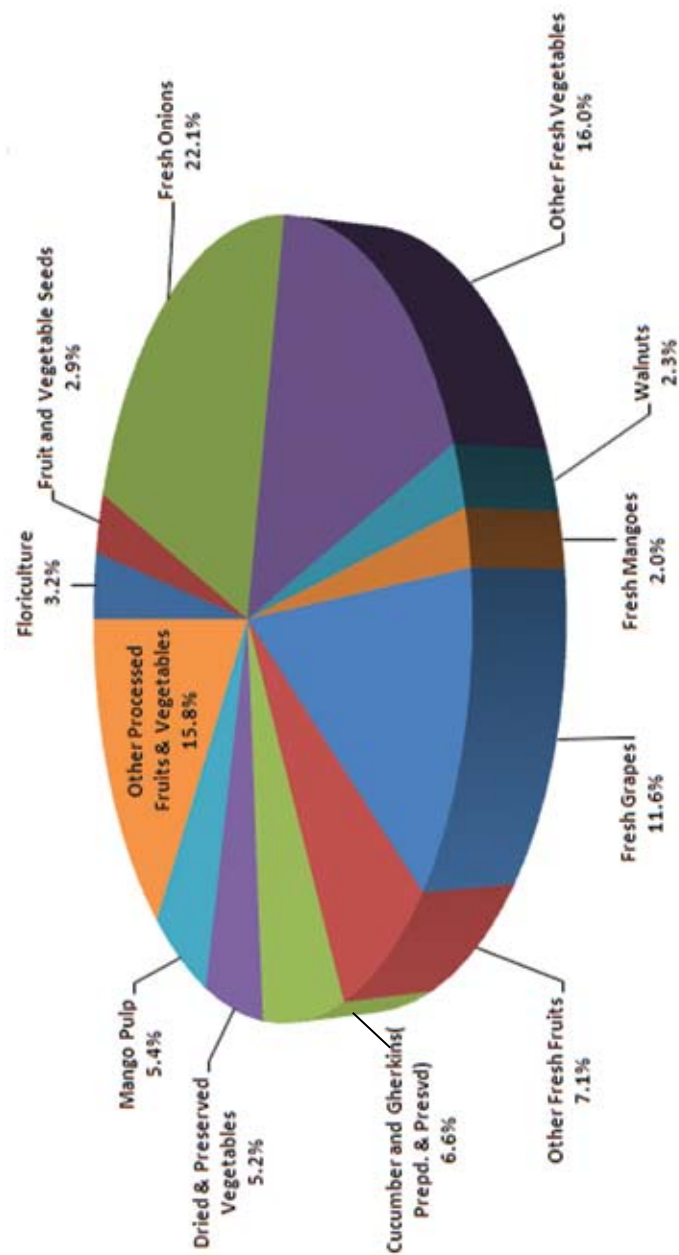
**EXPORT OF HORTICULTURE PRODUCE FROM INDIA**  
VALUE IN LAKH AND QUANTITY IN MT

Product	2011-12		2012-13		2013-14	
	Qty	Value	Qty	Value	Qty	Value
<b>Floriculture</b>						
Floriculture	30926.02	36532.15	27121.86	42344.6	22485.21	45590.62
<b>Fruits &amp; Vegetables Seeds</b>	15205.81	28776.35	17168	34772.39	17816.7	41053.76
<b>Total</b>	<b>46131.83</b>	<b>65308.5</b>	<b>44289.86</b>	<b>77116.99</b>	<b>40301.91</b>	<b>86644.38</b>
<b>Fresh Fruits &amp; Vegetables</b>						
Fresh Onions	1309924.82	172299.8	1666872.6	196662.66	1482498.58	316961.25
Other Fresh Vegetables	734178.83	131048.2	768627.2	151633.56	953731.22	229332.27
Walnuts	5841.56	23108.4	5295.47	19983.57	6726.36	32453.5
Fresh Mangoes	63441.29	20974.3	55584.99	26471.78	41279.97	28542.85
Fresh Grapes	108584.56	60288.15	172744.42	125942.78	192616.91	166847.45
Other Fresh Fruits	270437.2	75541.11	263970.29	77975.78	240552.45	102159.21
<b>Total</b>	<b>2492408.26</b>	<b>483259.96</b>	<b>2933094.97</b>	<b>598670.13</b>	<b>2917405.49</b>	<b>876096.53</b>
Cucumber and Gherkins( Prepd. & Presvd)	258603	74503.45	238624.89	85659.18	218749.79	95520.18
Dried & Preserved Vegetables	64794.09	52678.47	68520.25	63795.76	56158.38	74271.74
Mango Pulp	150499.06	62082.91	147815.69	60855.73	174860.33	77294.76
Other Processed Fruits & Vegetables	274807.05	157759.82	269217.26	173305.54	287384.61	226660.26
<b>Total</b>	<b>748703.2</b>	<b>347024.65</b>	<b>724178.09</b>	<b>383616.21</b>	<b>737153.11</b>	<b>473746.94</b>
<b>Grand Total</b>	<b>3287243.29</b>	<b>895593.11</b>	<b>3701562.92</b>	<b>1059403.33</b>	<b>3694860.51</b>	<b>1436487.85</b>

Source: Apeda Website January 2015



## COMMODITYWISE SHARE OF EXPORTS OF HORTICULTURAL PRODUCTS FROM INDIA 2013-14



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## EXPORT OF APPLE FROM INDIA

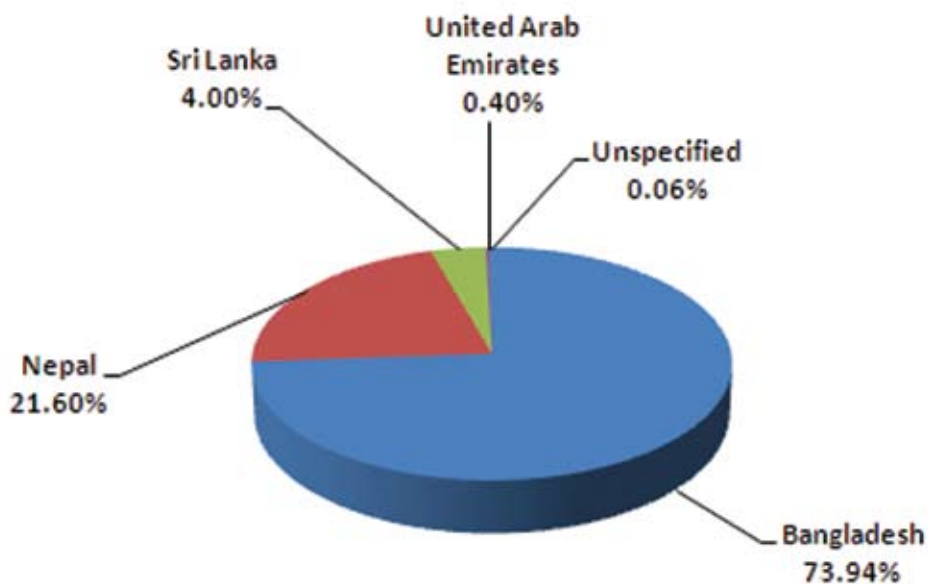
VALUE IN LAKH AND QUANTITY IN MT

Product : Apple (08081000 )

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
BANGLADESH	26200	7692	20550	3787	30702	6376
NEPAL	3697	1392	3244	1359	4914	1863
SRI LANKA	0	0	0	0	444	345
UNITED ARAB EMIRATES	0	0	0	0	31	34
UNSPECIFIED	14	3	2	2	6	5
SAUDI ARABIA	0	0	0	0	0	0
MALDIVES	0	0	1	0	0	0
SWITZERLAND	0	0	0	0	0	0
OTHERS	157	59	10	3	0	0
<b>Total</b>	<b>30067</b>	<b>9147</b>	<b>23806</b>	<b>5151</b>	<b>36098</b>	<b>8624</b>

SOURCE: APEDA WEBSITE JANUARY 2015

## COMMODITYWISE SHARE OF EXPORTS OF APPLE FROM INDIA 2013-14





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## EXPORT OF BANANA FROM INDIA

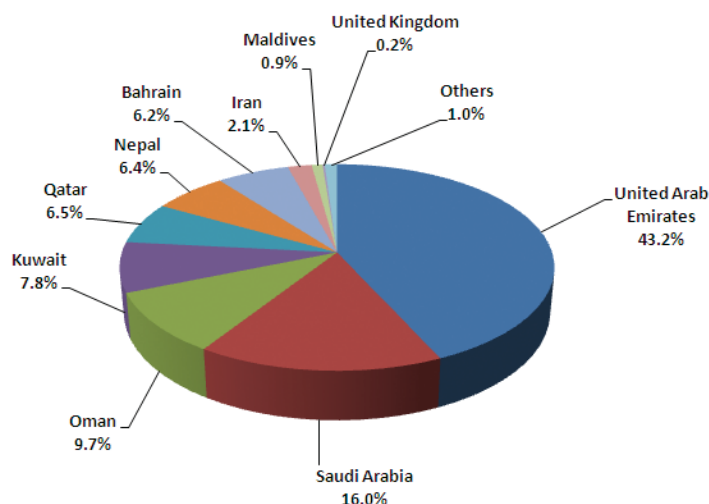
VALUE IN LAKH AND QUANTITY IN MT

Product: Bananas Fresh (08030000)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
UNITED ARAB EMIRATES	15134	3794	14802	5354	14000	6769
SAUDI ARABIA	5014	1246	4403	1516	4809	2505
OMAN	2228	485	3925	1056	3521	1516
KUWAIT	3196	718	2220	701	2149	1229
QATAR	2053	493	2809	906	1934	1024
NEPAL	9766	514	11206	935	5933	1006
BAHRAIN	2437	584	2566	793	2074	973
IRAN	4126	951	790	208	943	322
MALDIVES	913	178	645	142	310	147
UNITED KINGDOM	50	8	80	24	58	28
OTHERS	666	183	6558	1429	377	164
<b>TOTAL</b>	<b>45582</b>	<b>9155</b>	<b>50004</b>	<b>13064</b>	<b>36108</b>	<b>15683</b>

SOURCE: APEDA WEBSITE JANUARY 2015

## COMMODITYWISE SHARE OF EXPORTS OF BANANA FROM INDIA 2013-14





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## EXPORT OF ORANGE FROM INDIA

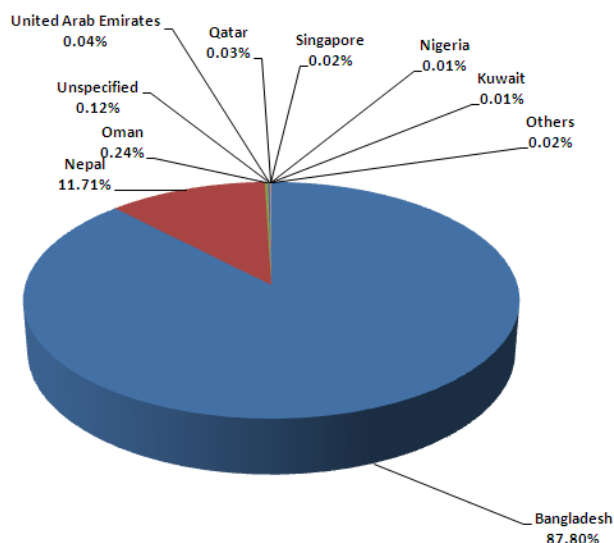
VALUE IN LAKH AND QUANTITY IN MT

Product: Oranges fresh(08051000)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
BANGLADESH	28634	7364	32205	3162	25849	4880
NEPAL	4216	947	1060	264	2306	651
OMAN	56	15	57	13	52	13
UNSPECIFIED	1	0	0	0	20	6
UNITED ARAB EMIRATES	30	2	31	26	1	2
QATAR	0	0	0	0	3	2
SINGAPORE	28	11	20	10	2	1
NIGERIA	0	0	0	0	1	1
KUWAIT	0	0	0	0	1	0
OTHERS	1042	153	255	54	2	1
TOTAL	34006	8493	33628	3529	28237	5558

SOURCE: APEDA WEBSITE JANUARY 2015

## COMMODITYWISE SHARE OF EXPORTS OF ORANGE FROM INDIA 2013-14





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## EXPORT OF GRAPES FROM INDIA

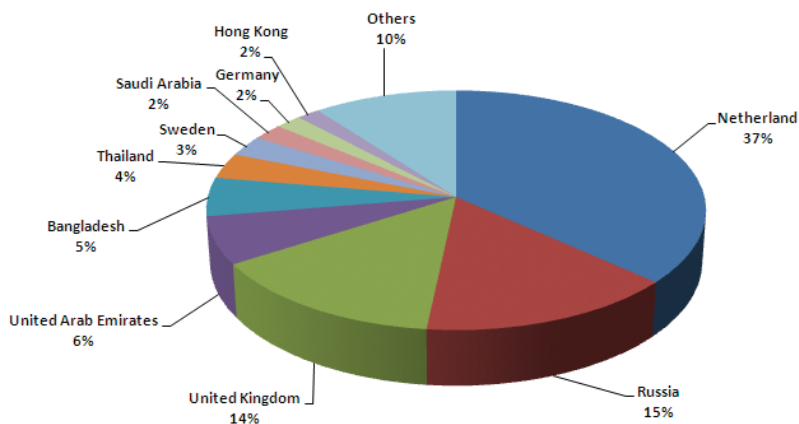
VALUE IN LAKH AND QUANTITY IN MT

Product: FRESH GRAPES (08061000)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
NETHERLAND	18382	14198	35915	32480	46082	52663
RUSSIA	4611	3870	15885	12438	23277	21621
UNITED KINGDOM	6564	5319	14829	15363	16701	20571
UNITED ARAB EMIRATES	10142	6243	13769	9445	10446	9216
BANGLADESH	35640	10032	32562	5262	31109	7507
THAILAND	1807	1851	2957	3421	3749	4962
SWEDEN	2196	1604	2978	3386	2787	3985
SAUDI ARABIA	4277	2438	5906	3433	7242	3141
GERMANY	599	407	1464	1101	2419	2723
HONG KONG	641	504	1571	1766	1640	2404
<b>OTHERS</b>	<b>10001</b>	<b>5210</b>	<b>13129</b>	<b>10110</b>	<b>14804</b>	<b>14915</b>
<b>TOTAL</b>	<b>94860</b>	<b>51676</b>	<b>140967</b>	<b>98204</b>	<b>160256</b>	<b>143707</b>

SOURCE: APEDA WEBSITE JANUARY 2015

## COMMODITYWISE SHARE OF EXPORTS OF GRAPES FROM INDIA 2013-14





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## EXPORT OF GUAVA FROM INDIA

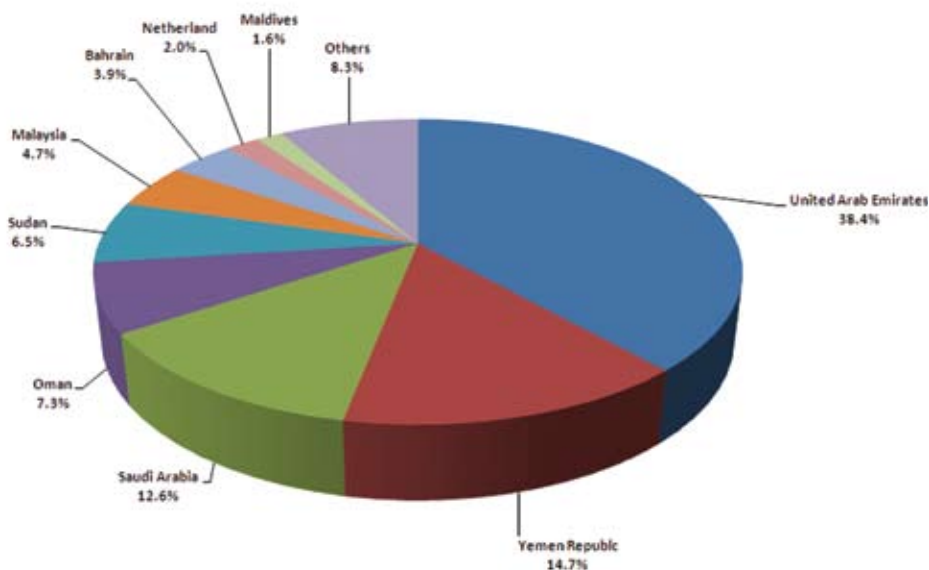
VALUE IN LAKH AND QUANTITY IN MT

Product: Guava (08045010)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
UNITED ARAB EMIRATES	106	25	91	30	265	159
YEMEN REPubLC	130	27	0	0	186	61
SAUDI ARABIA	838	189	462	128	172	52
OMAN	2	1	35	7	63	30
SUDAN	0	0	120	39	86	27
MALAYSIA	19	5	16	8	54	20
BAHRAIN	83	7	28	11	33	16
NETHERLAND	111	40	74	30	18	8
MALDIVES	20	7	9	3	12	7
OTHERS	73	16	345	94	81	35
<b>TOTAL</b>	<b>1382</b>	<b>318</b>	<b>1180</b>	<b>351</b>	<b>970</b>	<b>415</b>

SOURCE: APEDA WEBSITE JANUARY 2015

## COMMODITYWISE SHARE OF EXPORTS OF GUAVA FROM INDIA 2013-14





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## EXPORT OF LITCHI FROM INDIA

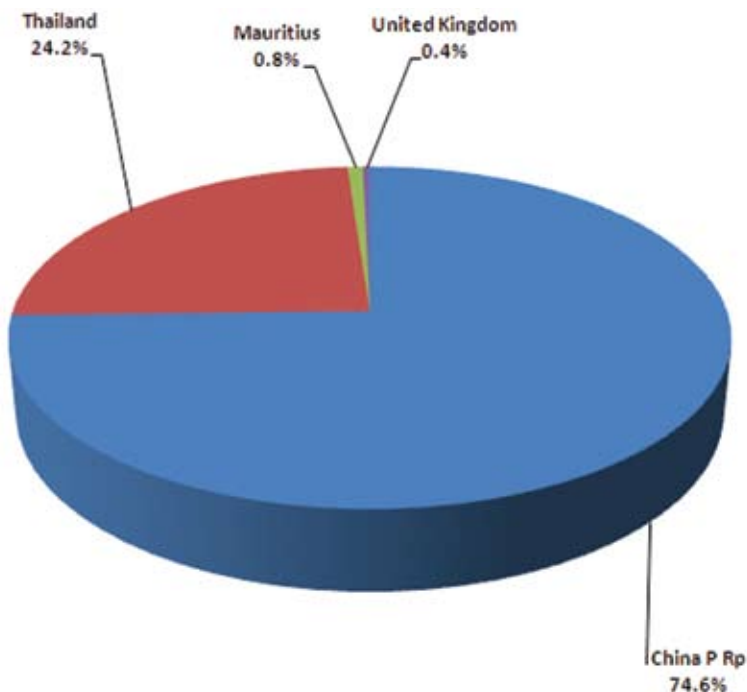
VALUE IN LAKH AND QUANTITY IN MT

Product: Litchi (08109060)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
CHINA P RP	0	0	20	10	87	62
THAILAND	42	19	32	19	19	20
MAURITIUS	0	0	1	0	1	1
UNITED KINGDOM	0	0	0	0	0	0
MALAYSIA	0	0	0	0	0	0
SOUTH AFRICA	0	0	1	1	0	0
UNITED ARAB EMIRATES	1	0	0	0	0	0
UNITED STATES	0	0	0	0	0	0
<b>TOTAL</b>	<b>42</b>	<b>19</b>	<b>55</b>	<b>31</b>	<b>108</b>	<b>84</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF LITCHI FROM INDIA 2013-14







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National  
Horticulture Board

## EXPORT OF MANGO FROM INDIA

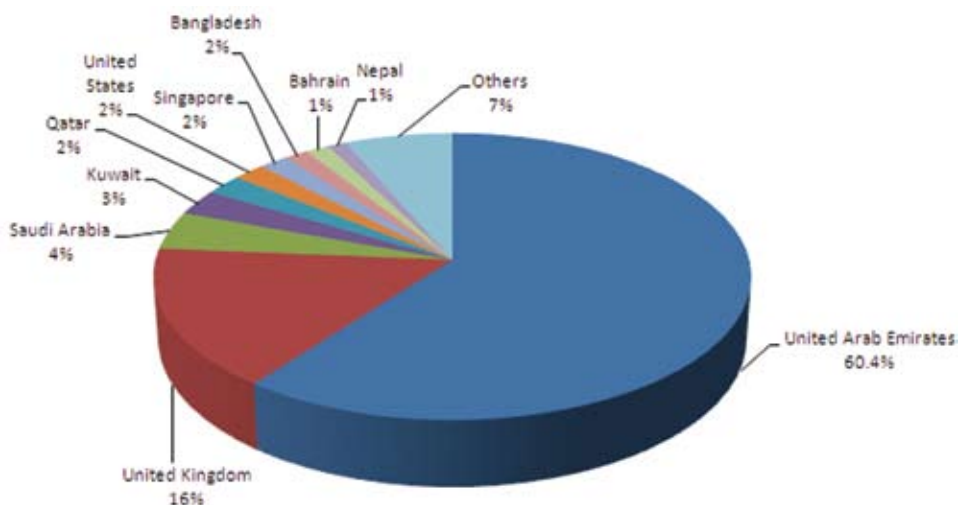
VALUE IN LAKH AND QUANTITY IN MT

Product : Mangoes (08045020)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
UNITED ARAB EMIRATES	22014	10737	37599	16287	23047	17231
UNITED KINGDOM	2532	1642	3304	3250	3381	4545
SAUDI ARABIA	2389	1170	1665	1200	1722	1219
KUWAIT	731	540	828	840	4601	824
QATAR	816	329	1523	887	770	655
UNITED STATES	353	221	242	578	242	562
SINGAPORE	599	358	650	420	546	504
BANGLADESH	27599	4059	4650	776	2900	411
BAHRAIN	624	290	497	261	635	404
NEPAL	3926	671	2238	610	1106	323
OTHERS	1858	958	2388	1363	2330	1866
<b>TOTAL</b>	<b>63441</b>	<b>20974</b>	<b>55585</b>	<b>26472</b>	<b>41280</b>	<b>28543</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF MANGOES FROM INDIA 2013-14





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Horticulture Board

## EXPORT OF PAPAYA FROM INDIA

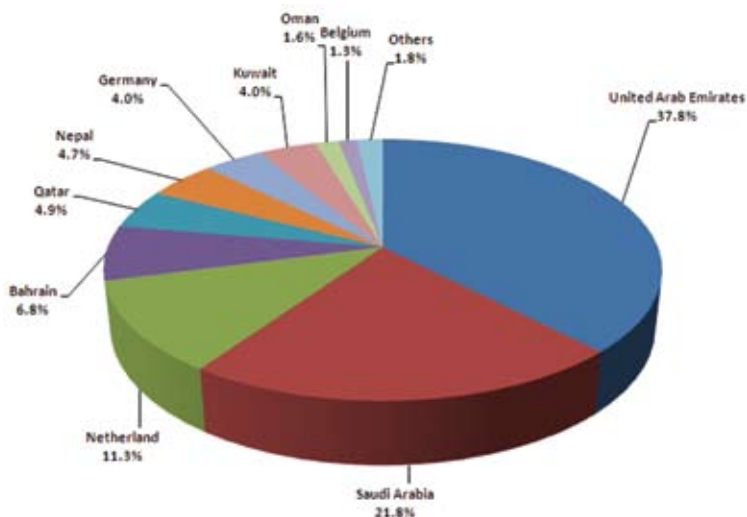
VALUE IN LAKH AND QUANTITY IN MT

Product: Papaya (08072000)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
UNITED ARAB EMIRATES	8293	928	5548	1031	4299	1328
SAUDI ARABIA	2634	506	3179	754	1940	765
NETHERLAND	540	261	1177	470	562	395
BAHRAIN	1227	112	1223	177	699	239
QATAR	1541	108	1400	171	375	172
NEPAL	1403	108	1882	223	1113	166
GERMANY	500	117	156	87	196	142
KUWAIT	1397	129	1136	177	349	140
OMAN	185	32	176	50	134	56
BELGIUM	123	20	23	15	51	45
OTHERS	828	155	591	174	202	63
<b>TOTAL</b>	<b>18672</b>	<b>2475</b>	<b>16491</b>	<b>3329</b>	<b>9922</b>	<b>3511</b>

SOURCE: APEDA WEBSITE JANUARY 2014

## COMMODITYWISE SHARE OF EXPORTS OF PAPAYA FROM INDIA 2013-14





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National Horticulture Board

## EXPORT OF PINEAPPLE FROM INDIA

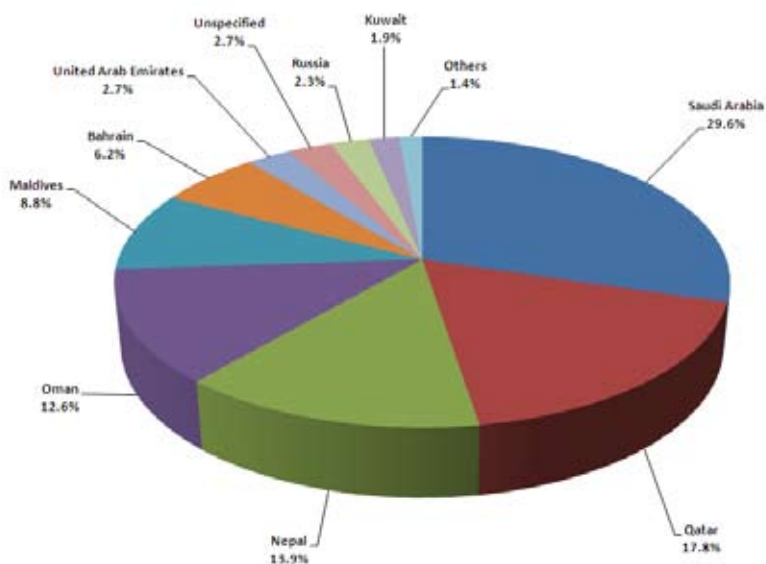
VALUE IN LAKH AND QUANTITY IN MT

Product: Pineapples (08043000)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
SAUDI ARABIA	39	8	248	94	785	439
QATAR	395	87	507	183	473	264
NEPAL	1431	130	756	149	1395	206
OMAN	149	53	108	63	153	187
MALDIVES	584	170	375	125	267	130
BAHRAIN	54	21	231	103	158	92
UNITED ARAB EMIRATES	294	106	132	43	64	40
UNSPECIFIED	17	3	137	28	148	40
RUSSIA	0	0	0	0	55	35
KUWAIT	1	0	0	0	41	28
OTHERS	66	25	292	48	28	21
<b>TOTAL</b>	<b>3031</b>	<b>603</b>	<b>2787</b>	<b>837</b>	<b>3567</b>	<b>1481</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF PINEAPPLE FROM INDIA 2013-14





## EXPORT OF SAPOTA FROM INDIA

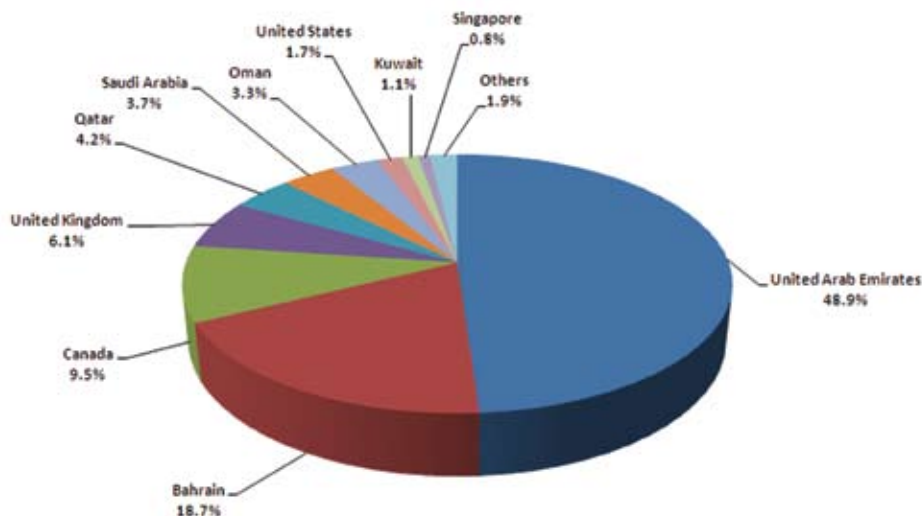
VALUE IN LAKH AND QUANTITY IN MT

Product: Sapota (08109030)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
UNITED ARAB EMIRATES	1216	202	1057	298	670	377
BAHRAIN	608	79	695	110	350	144
CANADA	347	44	276	54	162	73
UNITED KINGDOM	204	31	134	40	35	47
QATAR	75	15	172	31	29	33
SAUDI ARABIA	73	18	78	28	25	29
OMAN	76	15	67	21	59	25
UNITED STATES	26	12	38	11	24	13
KUWAIT	19	4	43	10	16	9
SINGAPORE	25	3	22	4	11	6
OTHERS	25	5	25	8	49	15
<b>TOTAL</b>	<b>2694</b>	<b>428</b>	<b>2606</b>	<b>615</b>	<b>1429</b>	<b>771</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF SAPOTA FROM INDIA 2013-14





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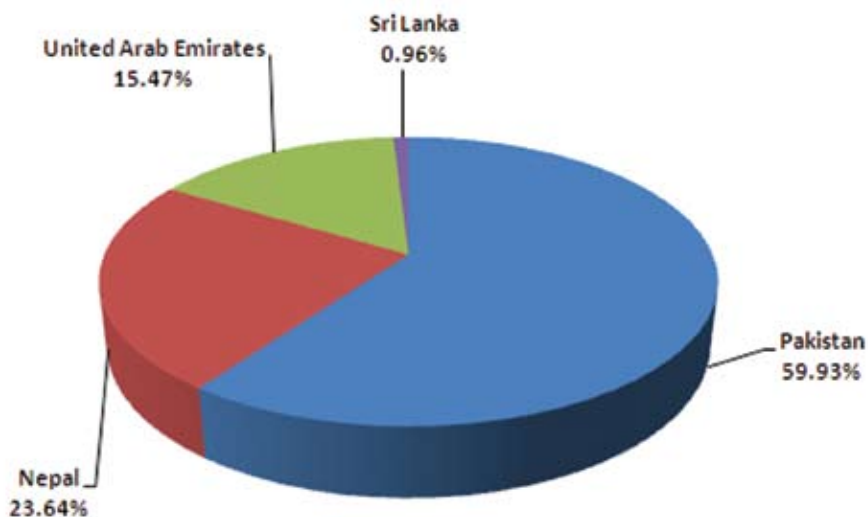
## EXPORT OF CABBAGE FROM INDIA

VALUE IN LAKH AND QUANTITY IN MT

Product: Cabbage (07051100)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
PAKISTAN	266	41	28	5	281	33
NEPAL	12	1	14	1	55	13
UNITED ARAB EMIRATES	125	24	125	15	46	9
SRI LANKA	0	0	0	0	1	1
MALDIVES	136	10	393	20	2	0
BANGLADESH	0	0	13	0	0	0
<b>SINGAPORE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>	<b>538</b>	<b>76</b>	<b>573</b>	<b>41</b>	<b>385</b>	<b>56</b>

### COMMODITYWISE SHARE OF EXPORTS OF CABBAGE FROM INDIA 2013-14





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## EXPORT OF CAULIFLOWER FROM INDIA

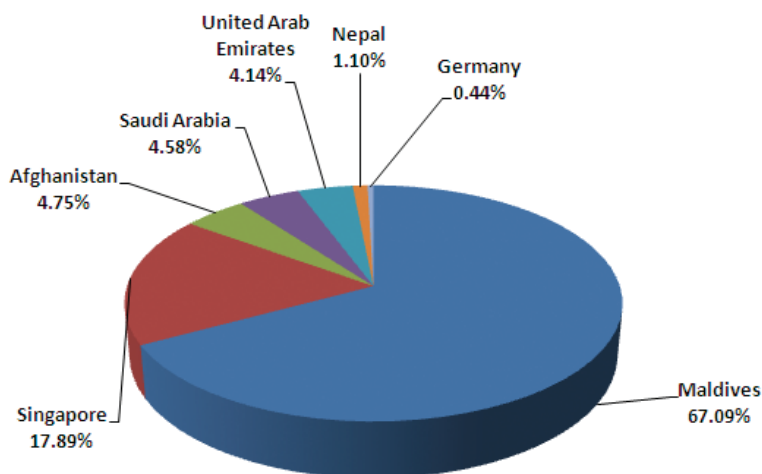
VALUE IN LAKH AND QUANTITY IN MT

Product: Cauliflower (07041000)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
MALDIVES	247	12	151	11	21	12
SINGAPORE	0	0	0	0	5	3
AFGHANISTAN	0	0	0	0	2	1
SAUDI ARABIA	26	1	0	0	2	1
UNITED ARAB EMIRATES	91	6	102	7	20	1
NEPAL	102	6	95	4	2	0
GERMANY	0	0	0	0	0	0
OTHERS	297	50	9	2	0	0
<b>TOTAL</b>	<b>763</b>	<b>75</b>	<b>357</b>	<b>25</b>	<b>52</b>	<b>18</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF CAULIFLOWER FROM INDIA 2013-14





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## EXPORT OF ONION FROM INDIA

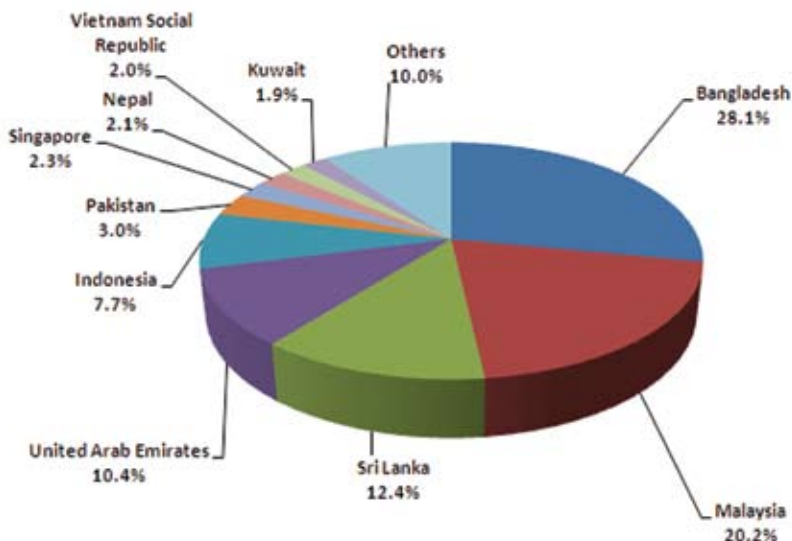
VALUE IN LAKH AND QUANTITY IN MT

Product: Onions (07031010)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
BANGLADESH	313634	38621	489877	43756	404885	88914
MALAYSIA	301314	44345	385275	49106	240490	63935
SRI LANKA	153267	17464	149394	20492	223697	39249
UNITED ARAB EMIRATES	179050	22190	211755	23821	172074	32940
INDONESIA	48511	8732	48824	6694	78726	24250
PAKISTAN	75621	10460	38823	4841	73329	9639
SINGAPORE	30661	3911	35007	4715	28413	7419
NEPAL	34857	4346	17422	3960	38908	6614
VIETNAM SOCIAL REPUBLIC	9571	1434	25060	3006	18058	6335
KUWAIT	25256	2671	39968	4485	32790	5919
OTHERS	138183	18127	225468	31786	171129	31748
<b>TOTAL</b>	<b>1309925</b>	<b>172300</b>	<b>1666873</b>	<b>196663</b>	<b>1482499</b>	<b>316961</b>

SOURCE: APEDA WEBSITE JANUARY 2015

## COMMODITYWISE SHARE OF EXPORTS OF ONION FROM INDIA 2013-14







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National Horticulture Board

## EXPORT OF PEAS FROM INDIA

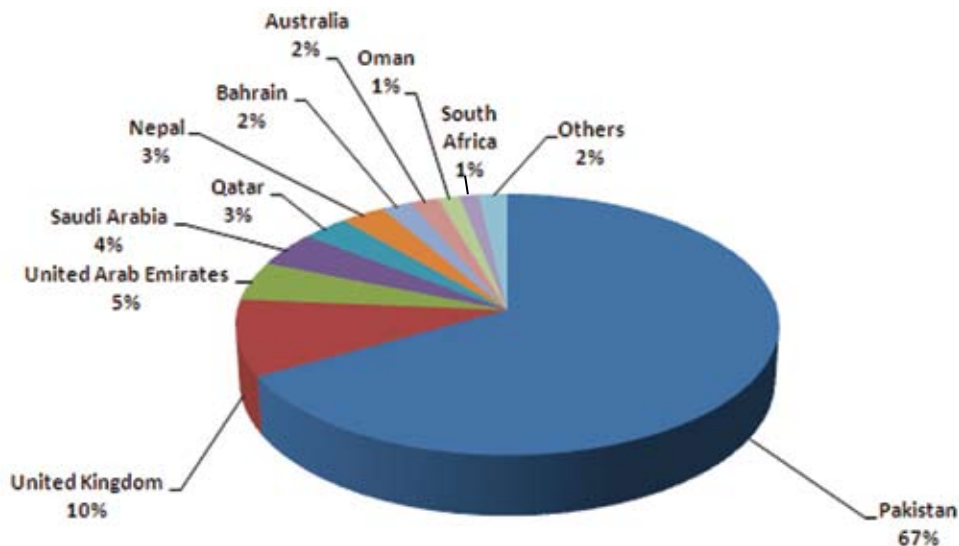
VALUE IN LAKH AND QUANTITY IN MT

Product: Peas (07081000)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
PAKISTAN	130	20	2480	357	7458	1346
UNITED KINGDOM	424	83	157	185	110	190
UNITED ARAB EMIRATES	132	34	37	19	167	97
SAUDI ARABIA	316	123	124	71	153	87
QATAR	0	0	38	21	102	62
NEPAL	940	88	168	46	166	59
BAHRAIN	5	2	40	19	89	40
AUSTRALIA	0	0	29	27	54	38
OMAN	32	2	35	7	57	29
SOUTH AFRICA	0	0	0	0	51	26
OTHERS	2	0	37	14	75	38
<b>TOTAL</b>	<b>1981</b>	<b>353</b>	<b>3146</b>	<b>765</b>	<b>8483</b>	<b>2012</b>

SOURCE: APEDA WEBSITE JANUARY 2015

## COMMODITYWISE SHARE OF EXPORTS OF PEAS FROM INDIA 2013-14





## EXPORT OF TOMATO FROM INDIA

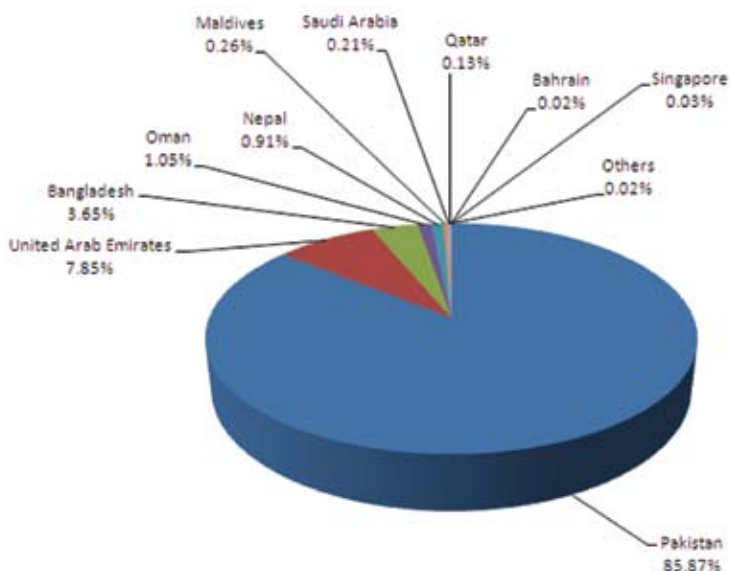
### VALUE IN LAKH AND QUANTITY IN MT

Product: Tomatoes (07020000)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
PAKISTAN	207083	37046	267783	40639	344508	73931
UNITED ARAB EMIRATES	25385	4772	46461	8193	40834	6757
BANGLADESH	23390	3859	9562	1220	20786	3140
OMAN	828	207	3664	855	11680	908
NEPAL	5439	573	9922	1111	6606	781
MALDIVES	2761	229	2004	200	644	224
SAUDI ARABIA	968	270	3149	867	538	180
QATAR	0	0	40	9	618	109
SINGAPORE	3	1	37	7	88	22
BAHRAIN	66	8	436	113	126	19
OTHERS	1064	65	634	91	109	20
<b>TOTAL</b>	<b>266986</b>	<b>47031</b>	<b>343692</b>	<b>53305</b>	<b>426536</b>	<b>86091</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF TOMATO FROM INDIA 2013-14





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## EXPORT OF POTATO FROM INDIA

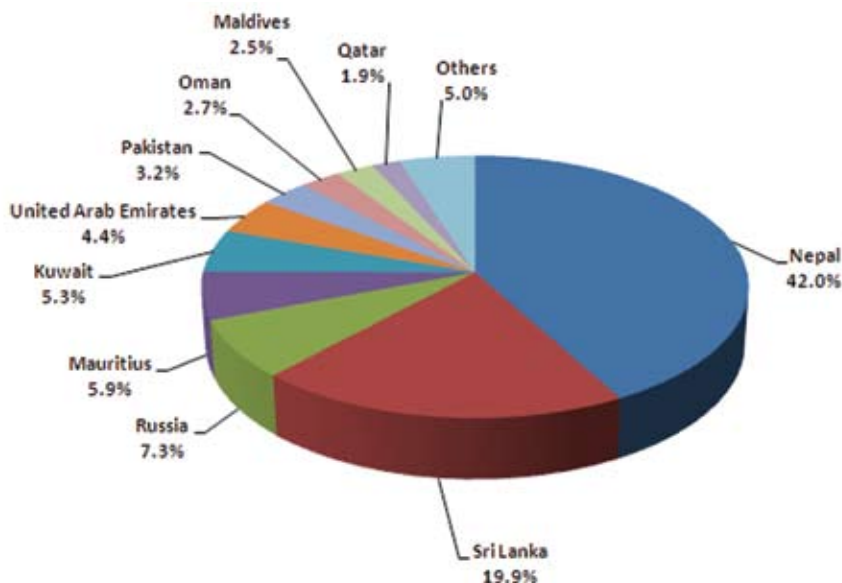
VALUE IN LAKH AND QUANTITY IN MT

Product : Potatoes Fresh (07019000)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
NEPAL	133573	6487	136994	10826	148343	10549
SRI LANKA	28689	3488	11291	1944	24652	5005
RUSSIA	7237	1046	916	208	9826	1823
MAURITIUS	3794	606	2492	419	6160	1481
KUWAIT	1	0	146	12	6229	1328
UNITED ARAB EMIRATES	681	82	227	22	5714	1103
PAKISTAN	146	15	0	0	5247	810
OMAN	56	7	100	21	2933	675
MALDIVES	6717	533	5641	617	3032	621
QATAR	98	11	10	2	2288	470
OTHERS	12094	1072	5371	801	6501	1250
<b>TOTAL</b>	<b>193086</b>	<b>13345</b>	<b>163186</b>	<b>14872</b>	<b>220926</b>	<b>25114</b>

SOURCE: APEDA WEBSITE JANUARY 2015

## COMMODITYWISE SHARE OF EXPORTS OF POTATO FROM INDIA 2013-14





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National  
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## EXPORT OF SWEET POTATO FROM INDIA

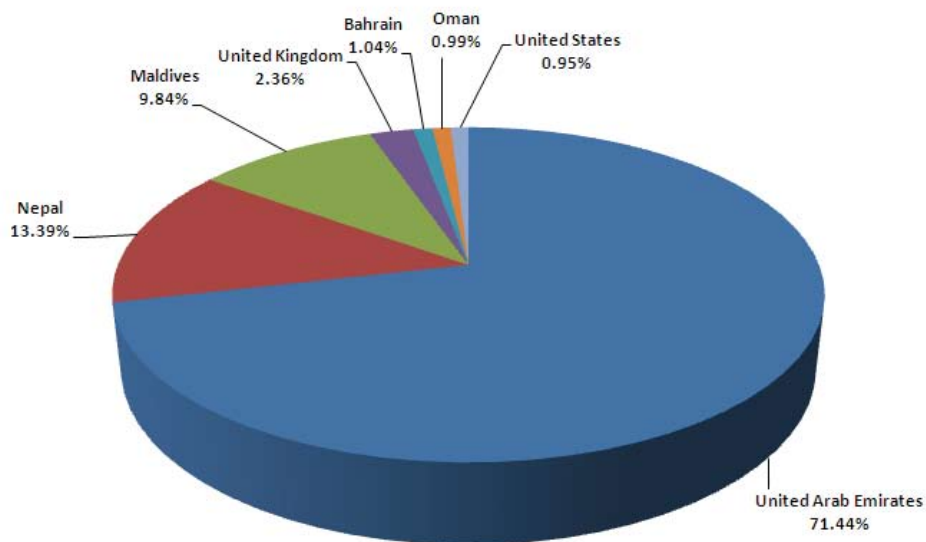
VALUE IN LAKH AND QUANTITY IN MT

Product: Sweet Potatoes (07142000)

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
UNITED ARAB EMIRATES	828	101	536	93	276	78
NEPAL	19	2	54	4	149	15
MALDIVES	91	10	20	4	45	11
UNITED KINGDOM	0	0	0	0	9	3
BAHRAIN	4	1	18	3	6	1
OMAN	0	0	3	1	4	1
UNITED STATES	0	0	0	0	11	1
KUWAIT	0	0	1	0	1	0
SINGAPORE	28	4	0	0	0	0
OTHERS	40	14	1	0	0	0
<b>TOTAL</b>	<b>1010</b>	<b>131</b>	<b>632</b>	<b>104</b>	<b>502</b>	<b>109</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF SWEET POTATO FROM INDIA 2013-14





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Horticulture Board

## EXPORT OF FLOWER FROM INDIA

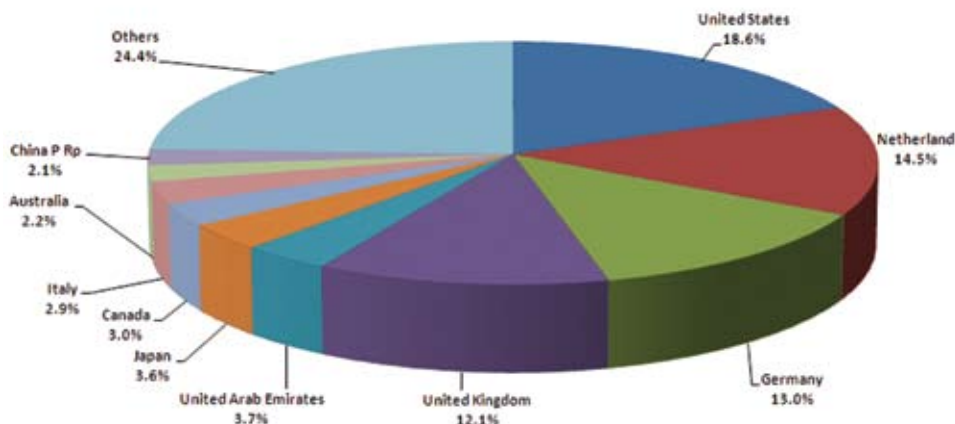
VALUE IN LAKH AND QUANTITY IN MT

Product: FLOWERS

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
UNITED STATES	7559	7129	6697	8381	5159	8459
NETHERLAND	3924	5413	3099	5970	1984	6615
GERMANY	5257	5752	3715	5675	2841	5929
UNITED KINGDOM	3456	3856	3192	4568	2584	5513
UNITED ARAB EMIRATES	817	1126	1029	1545	1026	1701
JAPAN	737	1472	801	1567	727	1621
CANADA	868	1203	986	1619	568	1365
ITALY	1267	1119	821	1350	683	1333
AUSTRALIA	356	991	353	1074	270	996
CHINA P RP	523	657	596	1060	515	952
OTHERS	6162	7814	5832	9536	6129	11106
<b>TOTAL</b>	<b>30926</b>	<b>36532</b>	<b>27122</b>	<b>42345</b>	<b>22485</b>	<b>45591</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF FLOWERS FROM INDIA 2013-14





## EXPORT OF FRUIT AND VEGETABLE SEEDS FROM INDIA

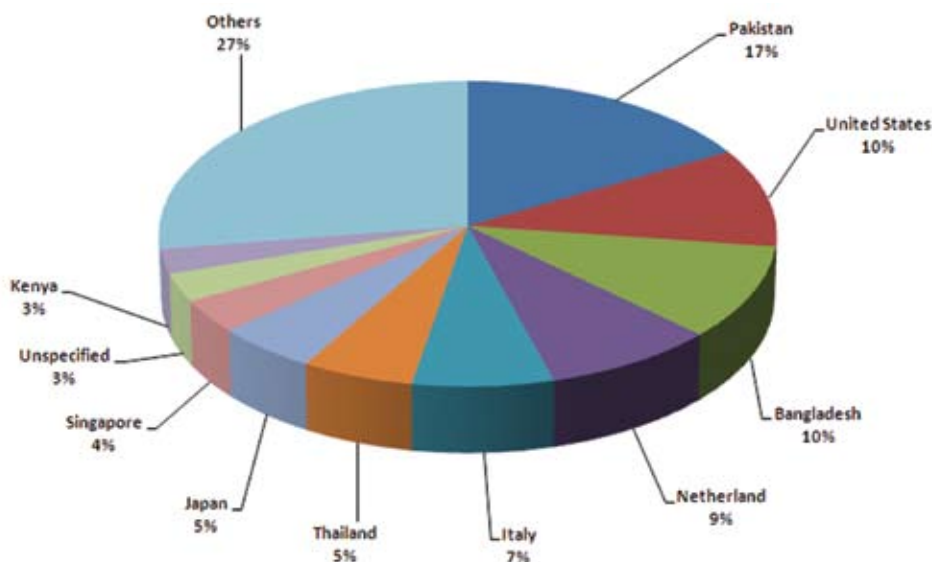
VALUE IN LAKH AND QUANTITY IN MT

Product: FRUIT AND VEGETABLE SEEDS

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
PAKISTAN	4884	7329	7719	8960	6421	6858
UNITED STATES	125	1992	142	3831	174	4298
BANGLADESH	4209	2372	4267	3488	4682	4068
NETHERLAND	220	2125	326	3352	106	3546
ITALY	325	534	215	479	1623	2893
THAILAND	99	608	61	976	48	2294
JAPAN	226	1280	189	1644	188	2074
SINGAPORE	91	616	18	405	59	1474
UNSPECIFIED	0	0	0	1	673	1224
KENYA	102	620	87	730	57	1066
OTHERS	4926	11302	4144	10907	3786	11260
<b>TOTAL</b>	<b>15206</b>	<b>28776</b>	<b>17168</b>	<b>34772</b>	<b>17817</b>	<b>41054</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF FRUIT AND VEGETABLES SEEDS FROM INDIA 2013-14





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## EXPORT OF WALNUT FROM INDIA

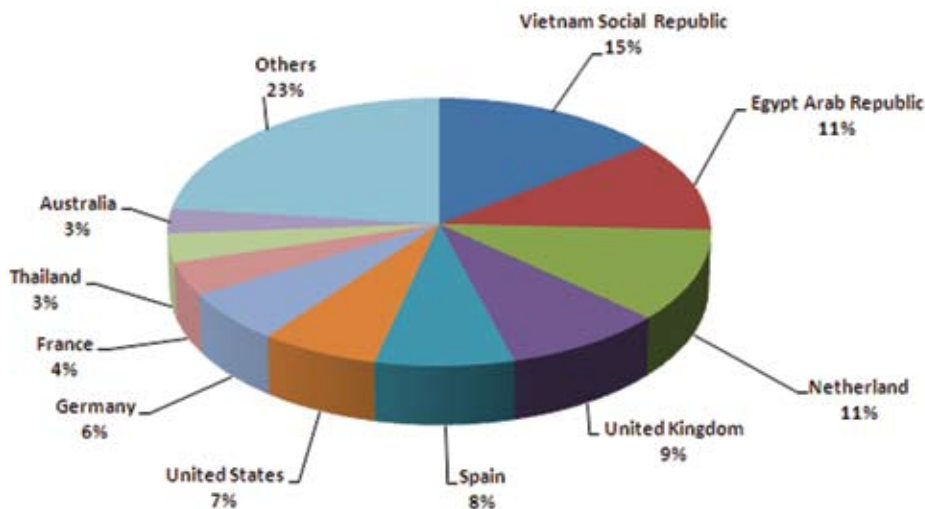
VALUE IN LAKH AND QUANTITY IN MT

Product: WALNUTS

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
VIETNAM SOCIAL REPUBLIC	0	0	138	486	935	4704
EGYPT ARAB REPUBLIC	632	2821	682	3319	581	3635
NETHERLAND	649	2638	405	1619	686	3593
UNITED KINGDOM	569	2250	911	3529	640	2931
SPAIN	830	3336	185	762	458	2538
UNITED STATES	158	592	292	1272	361	2153
GERMANY	722	2726	415	1450	405	1977
FRANCE	462	1530	283	862	309	1308
THAILAND	0	0	0	0	259	1126
AUSTRALIA	168	714	239	1081	185	972
OTHERS	1653	6501	1745	5602	1909	7517
<b>TOTAL</b>	<b>5842</b>	<b>23108</b>	<b>5295</b>	<b>19984</b>	<b>6726</b>	<b>32453</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF WALNUT FROM INDIA 2013-14





## EXPORT OF DRIED AND PRESERVED VEGETABLES FROM INDIA

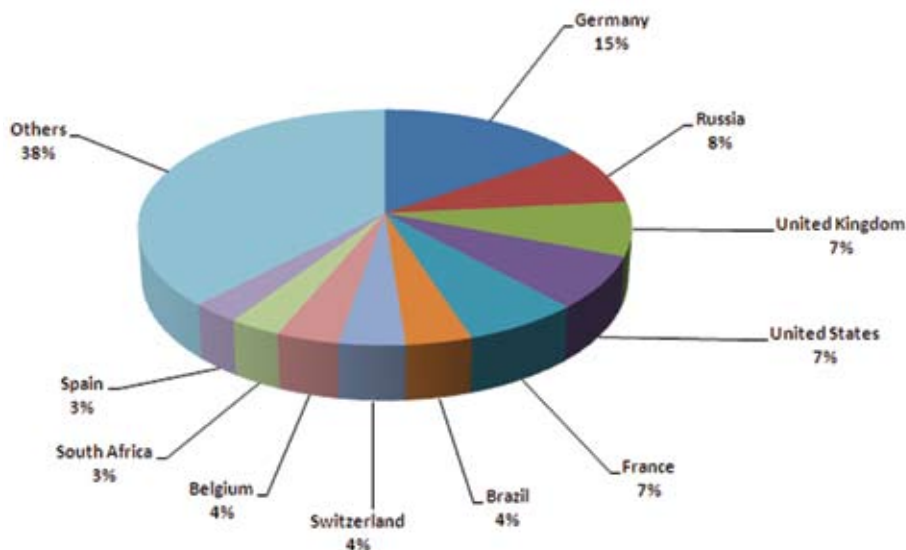
VALUE IN LAKH AND QUANTITY IN MT

Product: DRIED AND PRESERVED VEGETABLES

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
GERMANY	6823	7969	8103	10009	5854	11459
RUSSIA	5244	4660	5151	4306	4507	5933
UNITED KINGDOM	5668	5191	5067	4796	4460	5510
UNITED STATES	3841	3331	6563	6610	3889	5426
FRANCE	803	3846	684	2669	404	5035
BRAZIL	2251	2153	2621	2417	2242	2886
SWITZERLAND	31	2783	16	2258	17	2874
BELGIUM	1258	1239	2238	2201	2060	2728
SOUTH AFRICA	1513	1479	2194	2180	1788	2253
SPAIN	1583	1416	2207	1927	1818	2096
OTHERS	35779	18613	33677	24424	29121	28073
<b>TOTAL</b>	<b>64794</b>	<b>52678</b>	<b>68520</b>	<b>63796</b>	<b>56158</b>	<b>74272</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF DRIED & PRESERVED VEGETABLES FROM INDIA 2013-14





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National Horticulture Board

## EXPORT OF MANGO PULP FROM INDIA

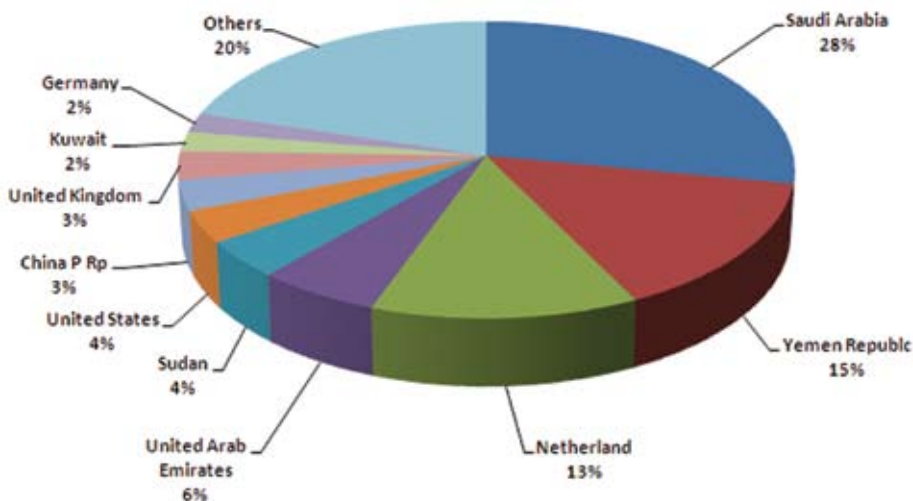
VALUE IN LAKH AND QUANTITY IN MT

Product: MANGO PULP

COUNTRY	2011-12		2012-13		2013-14	
	QTY	VALUE	QTY	VALUE	QTY	VALUE
SAUDI ARABIA	45686	15684	43448	13218	44390	21642
YEMEN REPubLC	18290	5075	25203	8226	37175	11347
NETHERLAND	16689	9262	11236	6391	14229	9928
UNITED ARAB EMIRATES	11297	4083	11737	4359	9097	4584
SUDAN	2399	839	6305	2628	6318	3194
UNITED STATES	4042	2514	3784	2668	3605	2707
CHINA P RP	2892	1560	2876	1763	3371	2540
UNITED KINGDOM	5625	2848	3199	2052	3324	2393
KUWAIT	8671	3260	4761	2098	2921	1658
GERMANY	2333	1405	1559	1142	24249	1631
OTHERS	32576	15552	33709	16310	26182	15672
<b>TOTAL</b>	<b>150499</b>	<b>62083</b>	<b>147816</b>	<b>60856</b>	<b>174860</b>	<b>77295</b>

SOURCE: APEDA WEBSITE JANUARY 2015

### COMMODITYWISE SHARE OF EXPORTS OF MANGO PULP FROM INDIA 2013-14





## **CHAPTER - IV**

### **World Scenario**

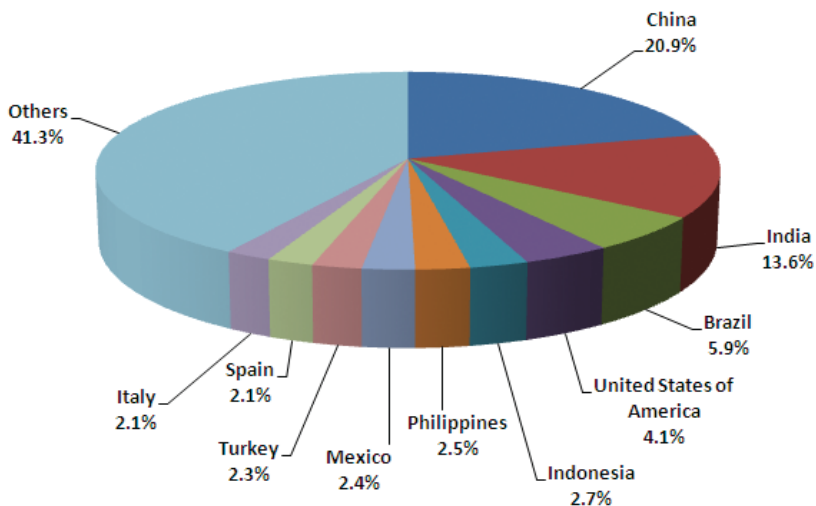


## MAJOR FRUIT PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
China	11834450	137066750	11.6
India	7216312	88977134	12.3
Brazil	2325385	38368678	16.5
United States of America	1137779	26548859	23.3
Indonesia	796530	17744411	22.3
Philippines	1240370	16370976	13.2
Mexico	1256730	15917806	12.7
Turkey	1102662	14974561	13.6
Spain	1539100	13996447	9.1
Italy	1125593	13889219	12.3
Others	27924521	270594597	9.7
World + (Total)	57499432	654449438	11.4

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14)  
Department of Agriculture & Cooperation.

## Leading Fruit Producing Countries







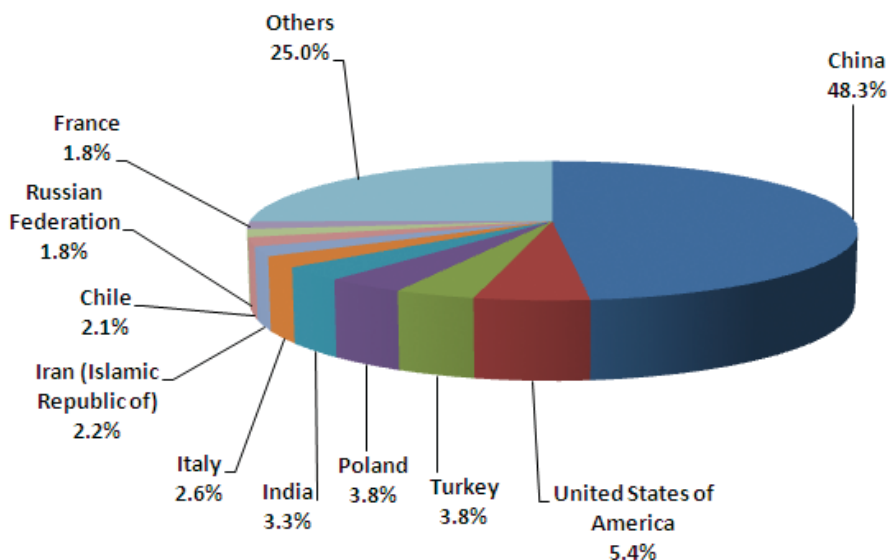
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National Horticulture Board

### MAJOR APPLE PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
China	2060000	37000000	18.0
United States of America	132656	4110046	31.0
Turkey	150847	2889000	19.2
Poland	194680	2877336	14.8
India	313044	2497678	8.0
Italy	54684	1991312	36.4
Iran (Islamic Republic of)	134000	1700000	12.7
Chile	36500	1625000	44.5
Russian Federation	183300	1403000	7.7
France	41051	1382901	33.7
Others	1533204	19196743	12.5
<b>World + (Total)</b>	<b>4833966</b>	<b>76673016</b>	<b>15.9</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14)  
Department of Agriculture & Cooperation.

### Leading Apple Producing Countries



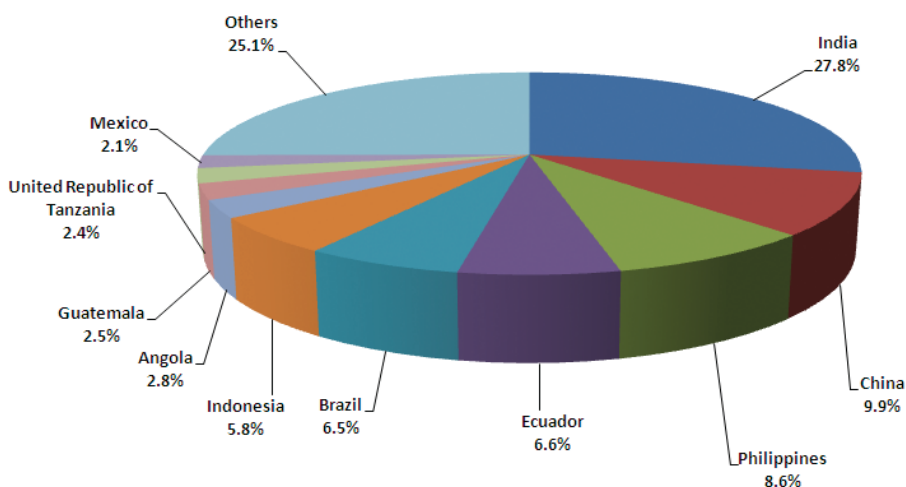


## MAJOR BANANA PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
India	802566	29724548	37.0
China	400000	10550000	26.4
Philippines	454179	9225998	20.3
Ecuador	210894	7012244	33.3
Brazil	481116	6902184	14.3
Indonesia	105000	6189052	58.9
Angola	115749	2991454	25.8
Guatemala	66000	2700000	40.9
United Republic of Tanzania	442190	2524740	5.7
Mexico	72617	2203861	30.3
Others	1883780	26823720	14.2
<b>World + (Total)</b>	<b>5034091</b>	<b>106847801</b>	<b>21.2</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14)  
Department of Agriculture & Cooperation.

## Leading Banana Producing Countries





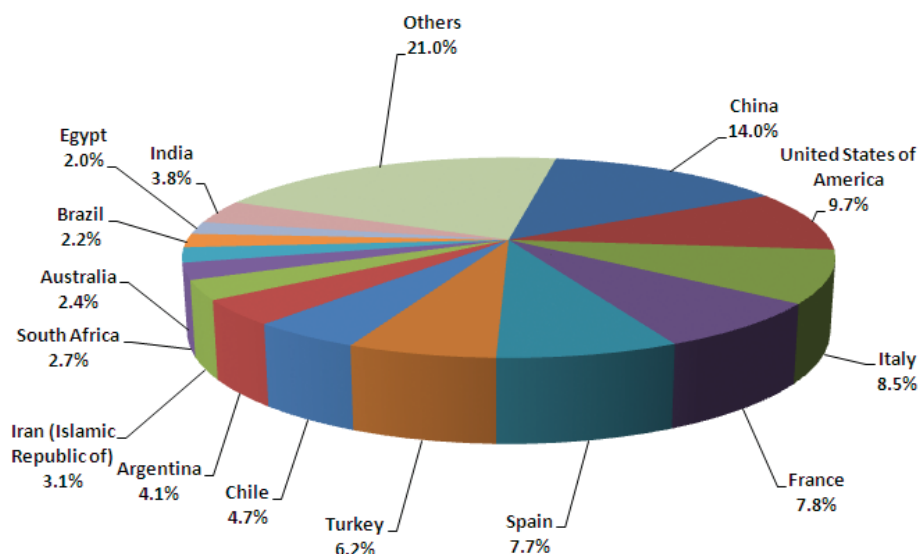


## MAJOR GRAPE PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
China	600000	9600000	16.0
United States of America	389349	6661820	17.1
Italy	696756	5819010	8.4
France	760805	5338512	7.0
Spain	943000	5238300	5.6
Turkey	462296	4275659	9.2
Chile	204000	3200000	15.7
Argentina	220000	2800000	12.7
Iran (Islamic Republic of)	215000	2150000	10.0
South Africa	124000	1839030	14.8
Australia	148489	1656621	11.2
Brazil	82603	1514768	18.3
Egypt	66262	1378815	20.8
India	118735	2585338	21.8
Others	1944813	14354594	7.4
<b>World + (Total)</b>	<b>6976108</b>	<b>68412467</b>	<b>9.8</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14)  
Department of Agriculture & Cooperation.

## Leading Grapes Producing Countries



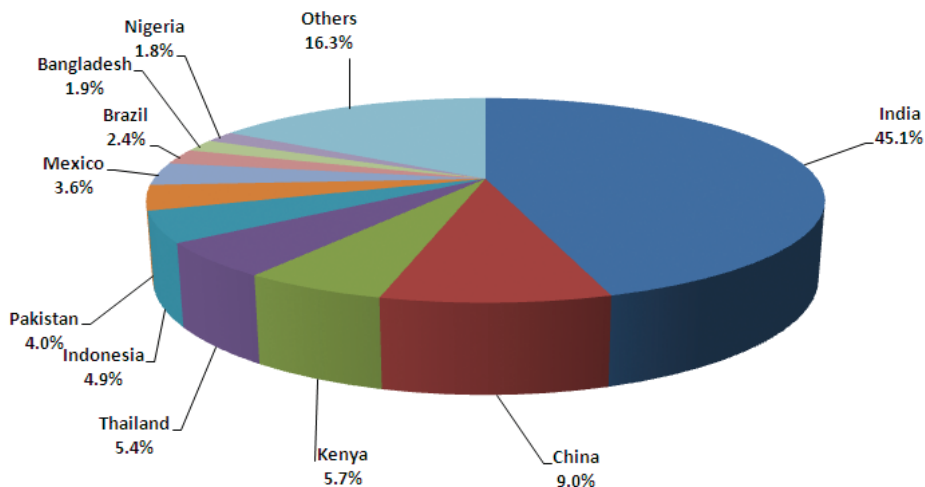


## MAJOR MANGO & GUAVA PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
India	2784185	22099225	7.9
China	460000	4400000	9.6
Kenya	57021	2781706	48.8
Thailand	318000	2650000	8.3
Indonesia	233000	2376339	10.2
Pakistan	174000	1950000	11.2
Mexico	195674	1760588	9.0
Brazil	73310	1175735	16.0
Bangladesh	124000	945059	7.6
Nigeria	132000	860000	6.5
Others	1100295	7990410	7.3
<b>World + (Total)</b>	<b>5651485</b>	<b>48989062</b>	<b>8.7</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14)  
Department of Agriculture & Cooperation.

### Leading Mango & Guava Producing Countries





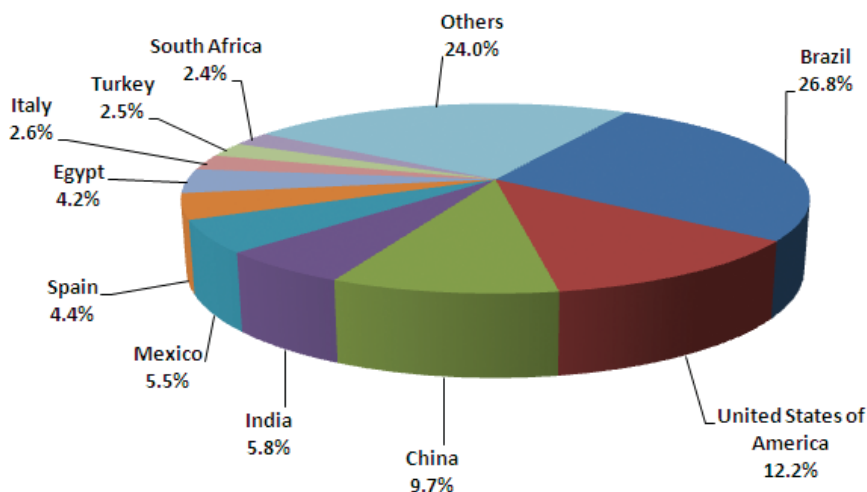
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## MAJOR ORANGE PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
Brazil	729583	18012560	24.7
United States of America	250582	8166480	32.6
China	475000	6500000	13.7
India	334939	3886198	11.6
Mexico	323357	3666790	11.3
Spain	154000	2933800	19.1
Egypt	118731	2786397	23.5
Italy	83514	1770503	21.2
Turkey	45733	1662000	36.3
South Africa	45000	1612828	35.8
Others	1106193	16112401	14.6
<b>World + (Total)</b>	<b>3666632</b>	<b>67109957</b>	<b>18.3</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14) Department of Agriculture & Cooperation.

## Leading Orange Producing Countries



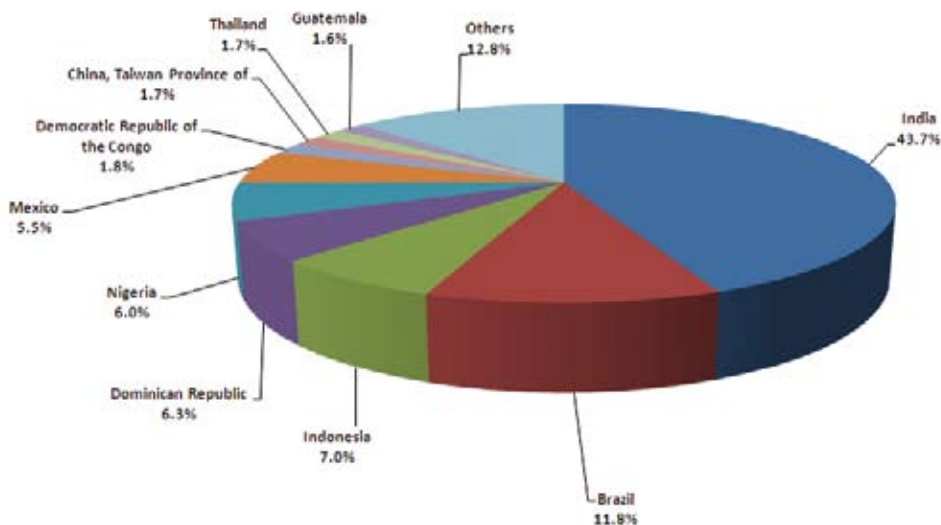


## MAJOR PAPAYA PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
India	133360	5639300	42.3
Brazil	31310	1517696	48.5
Indonesia	10450	906312	86.7
Dominican Republic	2608	815499	312.7
Nigeria	95000	775000	8.2
Mexico	14227	712917	50.1
Democratic Republic of the Congo	14000	230000	16.4
China, Taiwan Province of	3800	222000	58.4
Thailand	13000	215000	16.5
Guatemala	2300	206500	89.8
Others	118960	1650252	13.9
<b>World + (Total)</b>	<b>439015</b>	<b>12890476</b>	<b>29.4</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14) Department of Agriculture & Cooperation.

## Leading Papaya Producing Countries





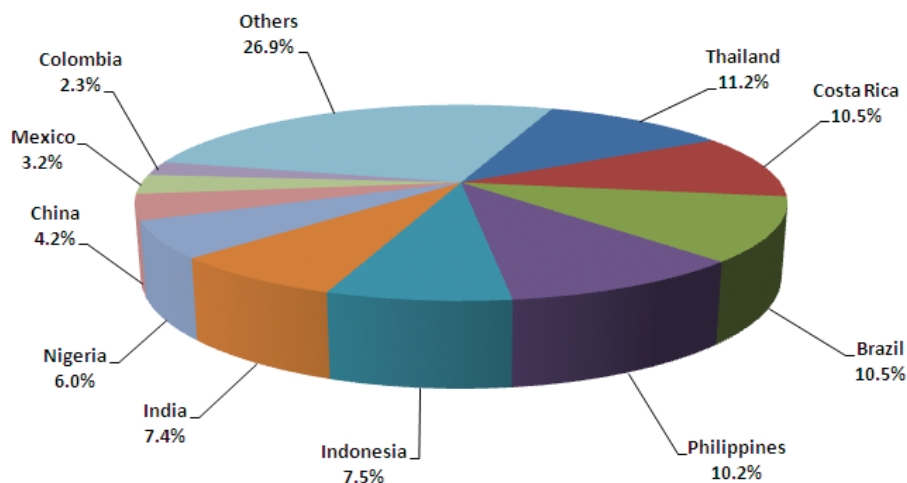
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## MAJOR PINEAPPLE PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
Thailand	105000	2650000	25.2
Costa Rica	42000	2484729	59.2
Brazil	60653	2478178	40.9
Philippines	58442	2397628	41.0
Indonesia	14300	1780889	124.5
India	109876	1736739	15.8
Nigeria	180000	1420000	7.9
China, mainland	53000	1000000	18.9
Mexico	17708	759976	42.9
Colombia	13916	551133	39.6
Others	360369	6355353	17.6
<b>World + (Total)</b>	<b>1015264</b>	<b>23614625</b>	<b>23.3</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14) Department of Agriculture & Cooperation.

## Leading Pineapple Producing Countries



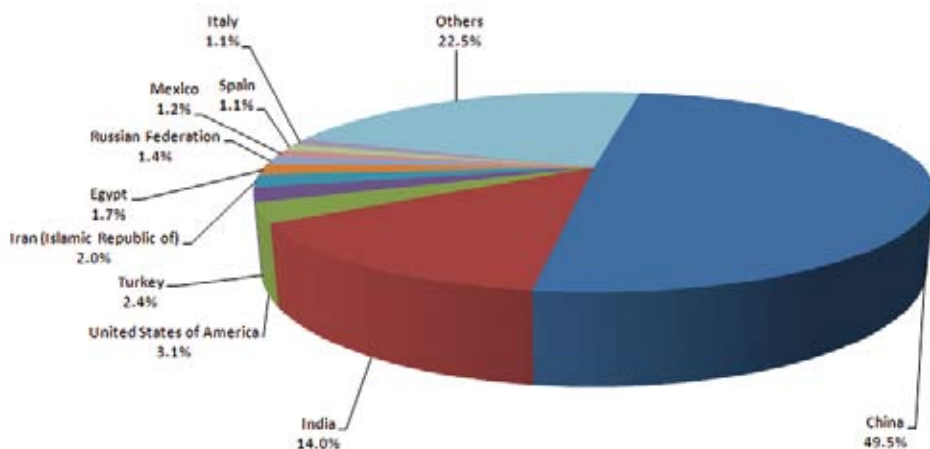


## MAJOR VEGETABLE PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
China	24560900	573935000	23.4
India	9396057	162896911	17.3
United States of America	1104640	35947720	32.5
Turkey	1111702	27818918	25.0
Iran (Islamic Republic of)	876830	23485675	26.8
Egypt	772487	19825388	25.7
Russian Federation	790500	16084372	20.3
Mexico	683294	13599497	19.9
Spain	318971	12531000	39.3
Italy	450186	12297645	27.3
Others	19096425	261467661	13.7
<b>World + (Total)</b>	<b>59161992</b>	<b>1159889787</b>	<b>19.6</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14)  
Department of Agriculture & Cooperation.

### Leading Vegetable Producing Countries



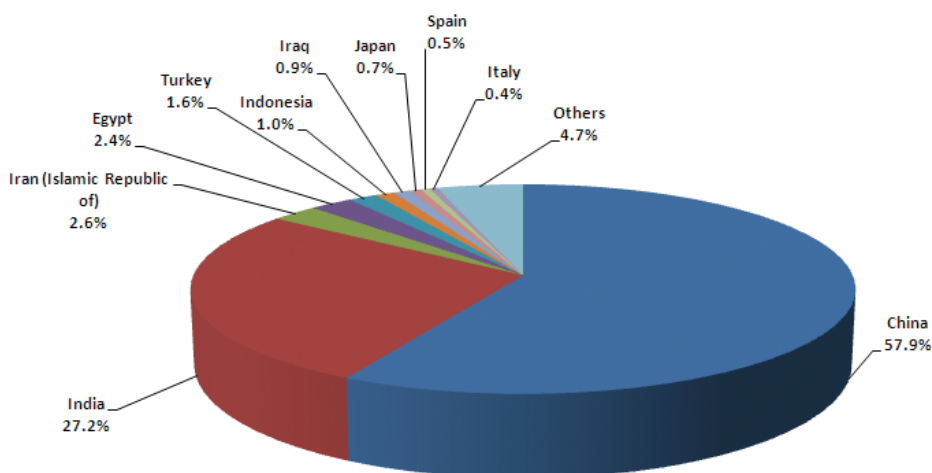


## MAJOR BRINJAL PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
China	800000	28800000	36.0
India	711306	13557821	19.1
Iran (Islamic Republic of)	39500	1300000	32.9
Egypt	45251	1193854	26.4
Turkey	26000	799285	30.7
Indonesia	50431	518827	10.3
Iraq	20000	460000	23.0
Japan	9860	327400	33.2
Spain	3600	246600	68.5
Italy	8304	217690	26.2
Others	150077	2360639	15.7
<b>World + (Total)</b>	<b>1864329</b>	<b>49782116</b>	<b>26.7</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14) Department of Agriculture & Cooperation.

## Leading Brinjal Producing Countries







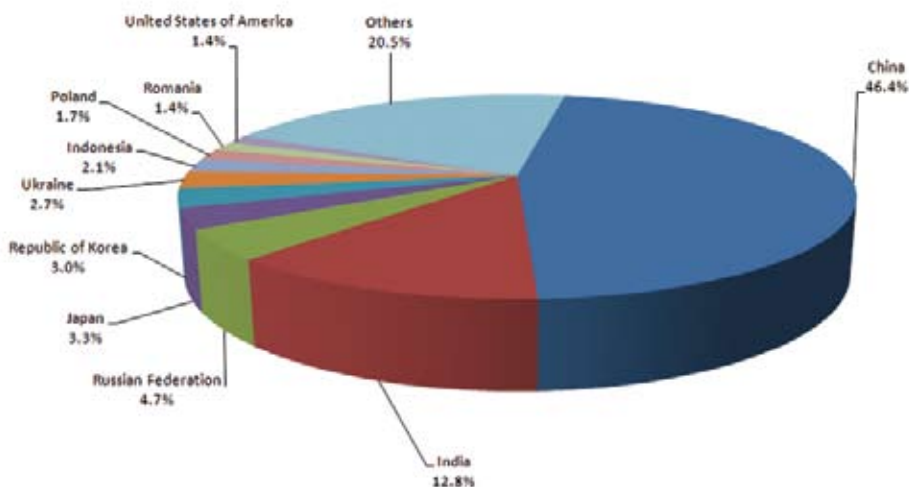
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## MAJOR CABBAGE PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
China	980000	32800000	33.5
India	400138	9039219	22.6
Russian Federation	112900	3309315	29.3
Japan	34000	2300000	67.6
Republic of Korea	29765	2118930	71.2
Ukraine	78400	1922400	24.5
Indonesia	64024	1487531	23.2
Poland	27973	1198726	42.9
Romania	49266	990154	20.1
United States of America	24730	964830	39.0
Others	615689	14513086	23.6
<b>World + (Total)</b>	<b>2416885</b>	<b>70644191</b>	<b>29.2</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14)  
Department of Agriculture & Cooperation.

## Leading Cabbage Producing Countries





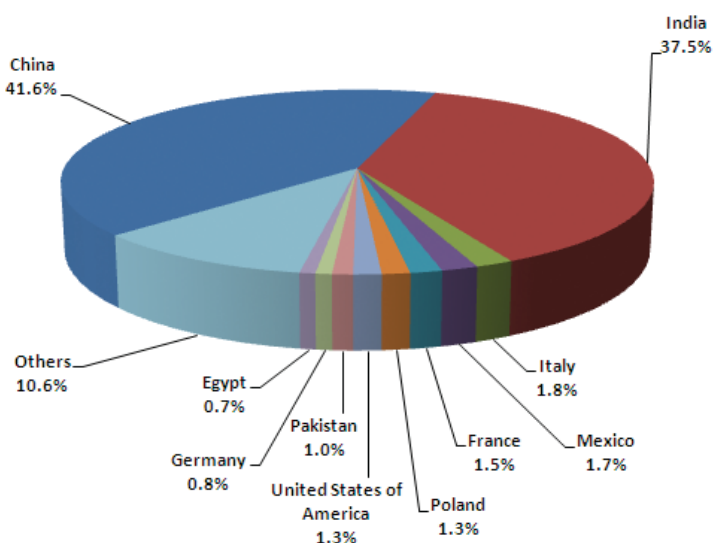
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## MAJOR CAULIFLOWER & BROCLI PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
China	450000	9500000	21.1
India	433873	8573276	19.8
Italy	17098	414142	24.2
Mexico	26779	397408	14.8
France	19569	344414	17.6
Poland	15486	306776	19.8
United States of America	14600	303450	20.8
Pakistan	13500	224000	16.6
Germany	6614	176692	26.7
Egypt	5980	171088	28.6
Others	254631	2428819	9.5
<b>World + (Total)</b>	<b>1258130</b>	<b>22840065</b>	<b>18.2</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14)  
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## Leading Cauliflower & Brocli Producing Countries

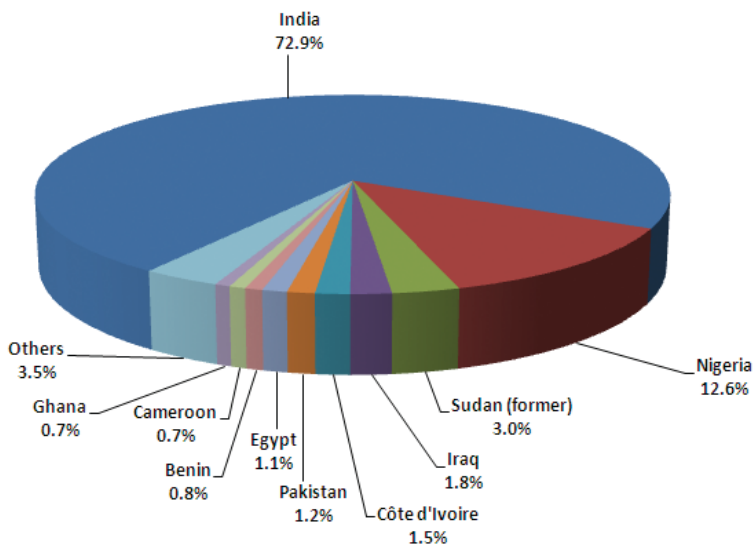


## MAJOR OKRA PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
India	532660	6346368	11.9
Nigeria	385000	1100000	2.9
Sudan (former)	22092	263000	11.9
Iraq	20000	160000	8.0
Côte d'Ivoire	50000	134260	2.7
Pakistan	14000	108000	7.7
Egypt	6957	97108	14.0
Benin	17780	68151	3.8
Cameroon	26500	64000	2.4
Ghana	3000	60000	20.0
Others	39817	305425	7.7
<b>World + (Total)</b>	<b>1117806</b>	<b>8706312</b>	<b>7.8</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14)  
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## Leading Okra Producing Countries





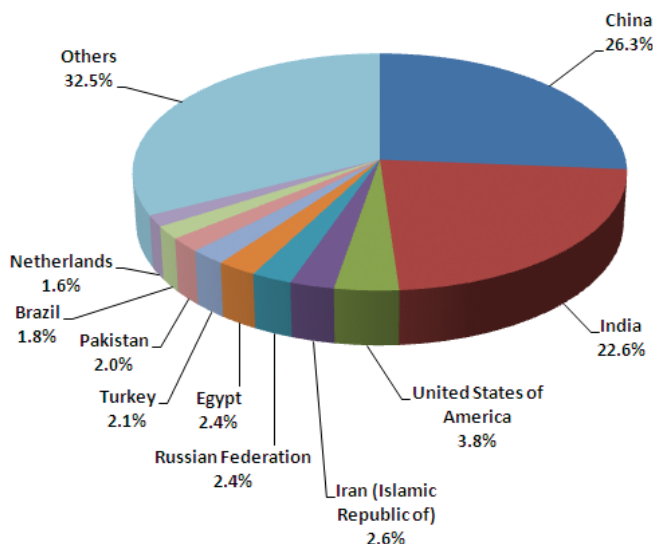
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## MAJOR ONION PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
China	1025000	22600000	22.0
India	1203565	19401677	16.1
United States of America	60000	3277460	54.6
Iran (Islamic Republic of)	71000	2260000	31.8
Russian Federation	92100	2080814	22.6
Egypt	60000	2024881	33.7
Turkey	63000	1819000	28.9
Pakistan	129700	1692300	13.0
Brazil	60931	1519022	24.9
Netherlands	27235	1353000	49.7
Others	1656002	27916265	16.9
<b>World + (Total)</b>	<b>4448533</b>	<b>85944419</b>	<b>19.3</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14) Department of Agriculture & Cooperation.

## Leading Onion Producing Countries



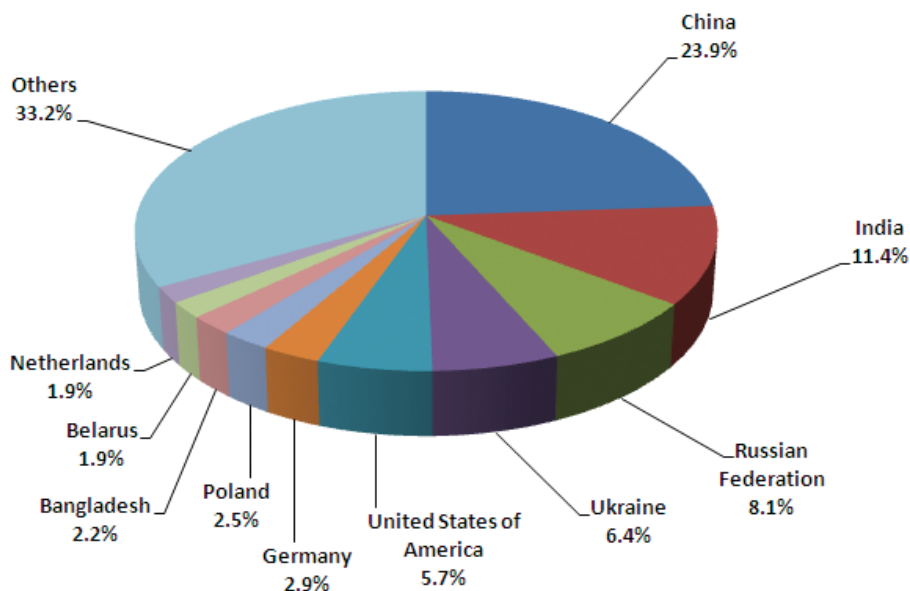


## MAJOR POTATO PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
China	5411600	87260000	16.1
India	1973191	41555384	21.1
Russian Federation	2197200	29532530	13.4
Ukraine	1444100	23250200	16.1
United States of America	458064	20990738	45.8
Germany	238300	10665600	44.8
Poland	373000	9091900	24.4
Bangladesh	430446	8205470	19.1
Belarus	332035	6910669	20.8
Netherlands	149770	6765618	45.2
Others	6337034	121209642	19.1
<b>World + (Total)</b>	<b>19344740</b>	<b>365437751</b>	<b>18.9</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14)  
Department of Agriculture & Cooperation.

## Leading Potato Producing Countries





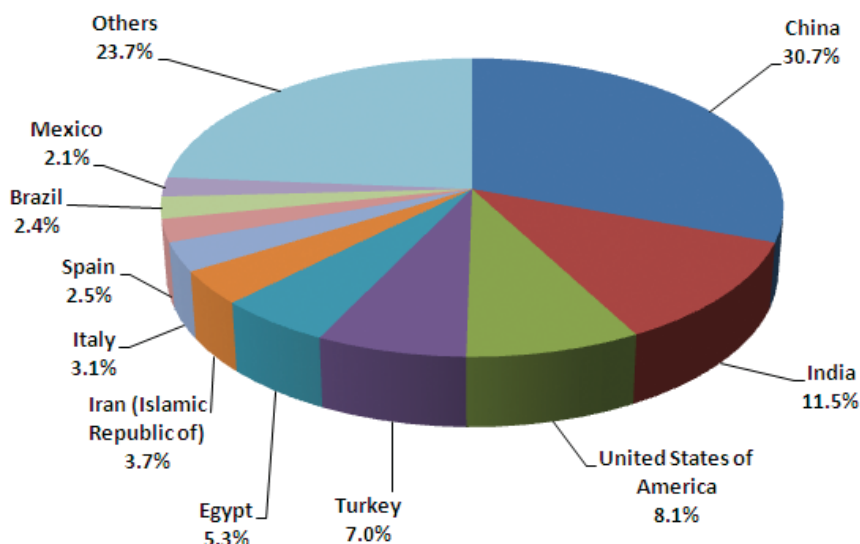
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## MAJOR TOMATO PRODUCING COUNTRIES IN THE WORLD

Country	Area (in HA)	Production (in MT)	Productivity MT/HA
China	1000000	50000000	50.0
India	882032	18735912	21.2
United States of America	150140	13206950	88.0
Turkey	300000	11350000	37.8
Egypt	216395	8625219	39.9
Iran (Islamic Republic of)	160000	6000000	37.5
Italy	91850	5131977	55.9
Spain	48800	4007000	82.1
Brazil	63859	3873985	60.7
Mexico	96651	3433567	35.5
Others	1805985	38665136	21.4
<b>World + (Total)</b>	<b>4815712</b>	<b>163029746</b>	<b>33.9</b>

Source : FAO Website -February 2015 (Data for 2012, 2013 N/A) and for India Data - (Data for 2013-14)  
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## Leading Tomato Producing Countries









## **CHAPTER - V**

# **Export Specifications For Fruits**



## EXPORT SPECIFICATIONS FOR GRAPES



**Sharad Seedless**



**Flame Seedless**



**Thompson Seedless**

Variety	Countries		
	Middle East	Holland/ Germany	U.K.
Thompson Seedless	Berry Size: 15mm Colour: amber	Berry Size: 16mm Colour: white/amber	Berry Size: 18mm white
Sharad Seedless	Berry Size: 15mm black	Berry Size: 16mm black	Berry Size: 18mm black
Flame Seedless	-----	Berry Size: 16mm pink	Berry Size: 18mm pink
Packing	1 Kg	4.5 Kg /9 kg	4.5 Kg /9kg
Storage Temp.	0-1 °C	0-1 °C	0-1 °C

## International Standards of Pesticide Residue Levels

Insecticide/Pesticide	Max. Permissible Limits(mgm/kg)- Europe
Organochlorine Pesticides	nbsp;
Aldrin	ND
Chlordane (cis & trans)	ND
Chlorothalonil	1.00
DDT (all isomers)	ND
Dichlofluanid	10.00
Dicofol	2.00nbsp;



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Dieldrin	ND
Endosulfan (all isomers)	0.50
Endrin	0.01
Lindane	0.5
HCH (alpha & beta)	ND
Heptachlor	0.01
Organophosphorus Pesticides	
Acephate	0.02
Azinphos-methyl	1.00
Chlorfenvinphos	0.05
Chlorpyrifos methyl	0.02
Drazinon	0.02
Dichlorvos	0.10
Dimerthoate	1.00
Ehion	0.50
Etrimphos	ND
Fenchlorphos	0.01
Fenitrothion	0.50
Malathion	0.10
Profenophos	0.05
2-chlorophenol(metabolite)	ND
Methamidophos	0.01
Methidathion	0.50
Mevinphos	0.10

**Source:** Maharashtra State Agriculture Marketing Board. Website (Jan, 2009)

## EXPORT SPECIFICATIONS FOR MANGO



Alphonso



Kesar

Variety	Countries				
	Middle East	Netherlands / Germany	U.K.	Japan	USA
Alphonso	Wt: 200-250gm	Wt: 250-300gm	Wt: 250-300gm	Wt : 250-300gm	Wt : 250-300gm
Kesar	Wt: 200-250 gm	Wt: 225-250 gm	Wt: 225-250 gm	Wt : 250-300 gm	Wt : 250-300 gm
Packing	1 Doz/2.5 kg	1 Doz/2.5 kg	1Doz/2.5 kg	1 doz/ 3.5 kg	1 Doz/3.5 kg
Storage Temperature	13°C	13°C	13°C	13°C	13°C
Export	By Sea	By Air	By Air	By Air	By Air

Source: Maharashtra State Agriculture Marketing Board. Website (Jan, 2009)

## EXPORT SPECIFICATIONS FOR POMEGRANATE



Arakta



Ganesh

Variety	Countries		
	Middle East	Netherlands / Germany	U.K.
Ganesh, Bhagwa	300-450 gm Red	250-300 gm Red	250-300 gm Red
Arakata, Mrudula	200-250 gm Deep red	200-250 gm Deep red	200-250 gm Deep red
Packing	5 kg	3 kg	3 kg
Storage	5 °C	5 °C	5 °C
Export	By Sea	By Sea	By Sea

Source: Maharashtra State Agriculture Marketing Board. Website (Jan, 2009)



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## EXPORT SPECIFICATIONS FOR PAPAYA



Taiwan

Variety	Countries	
	Middle East	Europe
Taiwan 785	Pale Green, 1-1.25 kg/Fruit	---
Taiwan 786	Pale Green, 1-1.25 kg/Fruit	---
Solo	----	400-500 gm/fruit
Packing	8 kg	5 kg.
Storage Temp.	10-13 °C	10-13 °C
Transport	By Sea	By Sea

**Source:** Maharashtra State Agriculture Marketing Board. Website (Jan, 2009)

## EXPORT SPECIFICATIONS FOR SAPOTA



Cricket Ball

	Middle East
Variety	Cricket ball, Kalipatti
Packing	3 Kg
Storage	15-20°C
Transport	By Sea

**Source:** Maharashtra State Agriculture Marketing Board. Website (Jan, 2009)



## EXPORT SPECIFICATIONS FOR MANDARIN



**Nagpur  
Mandarin**

Variety	Countries
	Middle East
Nagpur Mandarin	Fruit Colour : Light orange Fruit Weight : 150-175 Gms Grades : 65-70 mm & 40-45 mm
Packing	65 mm grade - 7 Kg 40 mm grade - 2.5 Kg
Storage	5-7 ° C
Transport	By Sea

**Source:** Maharashtra State Agriculture Marketing Board. Website (Jan, 2009)

## EXPORT SPECIFICATIONS FOR BANANA



**Grand Naine**

Variety	Countries
	Middle East
Grand Naine Cavendish	Colour : Green, Weight of Bunch : 2.5 Kg Fruits preferably straight
Packing	13 Kg
Storage	13-14 °C
Transport	By Sea

**Source:** Maharashtra State Agriculture Marketing Board. Website (Jan, 2009)



## EXPORT SPECIFICATIONS FOR VEGETABLES



Lot of vegetables is being exported from Mumbai every day. The major export is by air. However, since last few years export has been started by sea container. The major destination of vegetables export is middle east and gulf countries. The major products in demand & their specifications are.

Commodity	Parameters for Export
Commodity	Parameters for export
Okra	3-5 inch length, green tender, packing 5 kg
Tondali	1-2 inch length, green tender, packing 5 Kg
Bottle Gourd	12 inch length, greenish tender, straight, packing 5 Kg
Peas	5-6 inch length, green tender, straight, packing 5 Kg
Gawar	4-5 inch length, not over matured, packing 5 Kg
Suran	Cleaned, weighing around 5-10 Kg
Green Chilli	3-4 Inch length, green, packing 5 Kg
Drum Sticks	24 Inch length, straight, thick, packing 5 Kg
Lime	20-25 mm, green, packing 5 Kg gunny bags, 20 kg wooden boxes.
Mode of Transport	By Air or By Sea

**Source:** Maharashtra State Agriculture Marketing Board. Website (Jan, 2009)





# **ANNEXURE**

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# MARKET INFORMATION NETWORK OF NATIONAL HORTICULTURE BOARD

**CENTRAL COORDINATION CELL, GURGAON**  
**COMPILATION, ANALYSIS, DISSEMINATION**  
**MONITORING & EVALUATION OF DATA**

Market Data

Complied Bulletins

01. ABOHAR	13. JAIPUR	25. PUNE
02. AHMEDABAD	14. JALANDHAR	26. AGRA
03. BANGALORE	15. LUCKNOW	27. KANPUR
04. BHOPAL	16. CHENNAI	28. INDORE
05. BHUBANESHWAR	17. NAGPUR	29. RANCHI
06. MUMBAI	18. PATNA	30. SURAT
07. KOLKATA	19. SHIMLA	31. MADURAI
08. CHANDIGARH	20. SRINAGAR	32. KARNAL
09. DELHI	21. TRIVENDRUM	33. AMRITSAR
10. GANGATOK	22. VIJAYWADA	34. RAIPUR
11. GUWAHATI	23. JAMMU	35. DEHRADUN
12. HYDERABAD	24. NASIK	36. BARAUT



**Back-up Communication  
Channel Through**

Phone/Fax/Internet ([www.nhb.gov.in](http://www.nhb.gov.in))

**Online National Information  
Bulleting on NHB's  
Website : [www.nhb.gov.in](http://www.nhb.gov.in)**



राष्ट्रीय बागवानी बोर्ड  
National  
Horticulture Board



## **NHB SCHEMES AT A GLANCE**

### **Introduction**

National Horticulture Board (NHB) was set up by the Government of India in 1984 as an autonomous society under the Societies Registration Act 1860. Board has its Head Quarters in Institutional Area, Sector 18, Gurgaon (Haryana).

The Managing Director is the Principal Executive of NHB who implements various schemes under overall supervision and guidance of the Board of Directors of NHB as well as the Department of Agriculture & Co-operation, Ministry of Agriculture, Govt. of India.

### **List of schemes administered by NHB**

National Horticulture Board implements programmes as sub-scheme of Mission for Integrated Development of Horticulture (MIDH). NHB will also house the national level TSG under MIDH including NHM and NBM and extend administrative, logistical and personnel support towards their implementation. List of NHB schemes are given as under:-

- (i) Development of Commercial Horticulture through Production and Post Harvest Management of Horticulture Crops
- (ii) Capital Investment Subsidy Scheme for construction/expansion/modernization of Cold Storages/Storages of Horticulture Products
- (iii) Technology Development and Transfer for promotion of Horticulture
- (iv) Market Information Scheme for horticulture Crops
- (v) Horticulture Promotion Services / Expert Services





## **1. Development of Commercial Horticulture through Production and Post Harvest Management of Horticulture Crops**

Credit linked projects relating to establishment of commercial production units in open field as well as under protected conditions and projects on Post harvest Management and primary processing of products are eligible for assistance under this scheme as per cost norms given in Annexure- III. However, release of Subsidy need not be credit linked in North Eastern States and for the institutions like Public Sector Units, Panchayats, cooperatives, registered societies/trust and public limited companies provided they can meet remaining share of the project cost out of their own resources. Such projects will have to be appraised by appraising agency approved by NHB.

### **Description of components and Pattern of Assistance**

#### **1.1 Commercial Horticulture Development in open field conditions on project mode**

National Horticulture Board will take up integrated commercial horticulture development projects in open field conditions on project mode , including components viz planting material, plantation, irrigation, fertigation, mechanization, precision farming, GAP etc. for projects covering area over 2.00 ha. (5 Acres) Integration of production unit with on farm PHM components and primary processing unit shall also be allowed in project mode. Cost of raising new plantation will vary from crop to crop, which will be taken into consideration while providing assistance to the beneficiary. Integrated production unit on Mushroom and tissue culture shall also be eligible for assistance under this component. The components like farm machinery and PHM infrastructure, irrigation and micro irrigation etc shall be eligible under the scheme for assistance in existing/new orchards/projects to increase productivity.

#### **Pattern of assistance**

Credit linked back-ended subsidy @ 40% of the total project cost limited to Rs 30.00 lakh per project in general areas and @ 50% of project cost limited to Rs. 37.50 lakh in NE Region, Hilly and Scheduled areas.

#### **1.2 Commercial Horticulture Development in protected cover on project mode**

The Board will also take up commercial horticulture development projects under



protected cover on project mode including components viz planting material, plantation, irrigation, fertigation, mechanization, etc for projects having area over 2500 sq meter. Activities like construction of green houses, shade net house, plastic mulching, and plastic tunnel, anti bird /hail nets etc would be promoted. Provision has been made for selecting a variety of construction material for green houses and shade nets houses. Preference will be given to using locally available material to minimize cost of construction of such structures. However, for availing subsidy, all material /technology should conform to prescribed standards.

### **Pattern of assistance**

Credit linked back-ended subsidy @ 50% of the total project cost limited to Rs 56.00 lakh per project as per admissible cost norms for green houses, shade net house, plastic tunnel, anti bird /hail nets & cost of planting material etc.

### **1.3 Integrated Post Harvest Management projects**

The Board will take up Integrated Post Harvest Management projects relating to Pack House, Ripening Chamber , Refer Van , Retail Outlets, Pre- cooling unit, Primary processing etc . NHB will also take up projects in component mode and for standalone projects of PHM components.

### **Pattern of assistance**

Credit linked back-ended subsidy @ 35% of the total project cost limited to Rs 50.75 lakh per project in general area and @ 50 % of project cost limited to Rs. 72.50 lakh per project in NE , Hilly and Scheduled areas.

## **2. Capital Investment subsidy scheme for construction/expansion/modernization of cold storage and storages for Horticulture Products**

### **2.1 Description of components and Pattern of Assistance**

Components: Credit linked projects relating to Cold Storages including Controlled Atmosphere (CA) and their modernization are eligible for assistance under this component. Subsidy need not be credit linked for the institutions like Public Sector Units, Panchayats, cooperatives, registered societies/trust and public limited companies provided they can meet remaining share of the project cost out of their own resources. Such projects will have to be appraised by appraising agency approved by NHB.



## 2.2 Pattern of Assistance: -

The assistance will be given as subsidy @ 35% of the capital cost of project in general areas and 50% in case of NE, Hilly & Scheduled Areas for a storage capacity above 5000 MT up to 10000 MT.

## 2.3 Calculation of Capacity for subsidy:-

For calculation of capacity, 3.4 cubic meters (cum.) (120 cubic feet (cft.) of chamber volume shall be considered equivalent to 1 MT storage capacity.

## 2.4 Description of components and Cost Norms

SN	Description	Cost Norms
1	Cold storage units Type 1 - basic mezzanine structure with large chamber (of > 250 MT) type with single temperature zone.	<ul style="list-style-type: none"> <li>• @ Rs. 8000/ MT for capacity upto 5000 MT</li> <li>• @ Rs. 7600/ MT for capacity between 5001 to 6500 MT.</li> <li>• @ Rs. 7200/MT for capacity between 6501 to 8000 MT.</li> <li>• @ Rs. 6800/MT for capacity between 8001 to 10000 MT.</li> </ul>
2	Cold storage units Type 2 – Pre Engineering Building (PEB) Type for multiple temperature and product use , more than 6 chambers of <250 MT) and basic material handling equipment	<ul style="list-style-type: none"> <li>• @ Rs.10000/ MT for capacity upto 5000 MT</li> <li>• @ Rs. 9500/ MT for capacity between 5001 to 6500 MT.</li> <li>• @ Rs. 9000/MT for capacity between 6501 to 8000 MT.</li> <li>• @ Rs. 8500/MT for capacity between 8001 to 10000 MT.</li> </ul>
3	Cold Storage Units Type 2 with add on technology for Controlled Atmosphere	Additional Rs. 10,000/MT for add on components of controlled atmosphere technology as per component wise cost (Appendix- 1-D)
4	Technology induction and modernization of cold-chain	<ul style="list-style-type: none"> <li>• @ Rs. 5000/MT, for capacity between 5001 to 10000 MT.</li> <li>• Components of modernization includes PLC equipment, packaging lines, dock levelers, advanced graders, alternate technologies, stacking system, modernization of insulation and refrigeration etc.</li> </ul>





### **3. Technology Development and Transfer for Promotion of Horticulture**

Projects for popularization of identified new technologies/tools/techniques for commercialization/adoption shall be undertaken through following sub-components of the scheme

#### **3.1 Components**

- i. Setting up of block/mother plant and root stock nursery (Area above 4 ha)
- ii. Acquisition of technologies including import of planting material from other countries for evaluation and mass multiplication in order to increase production & productivity of horticulture crops
- iii. Import/procurement of machines and Tools for horticulture for demonstration purpose
- iv. Development & Transfer of Technology
- v. Long Distance Transport Solution
- vi. Product Promotion and Market Development Services- Horti-fairs
- vii. Exposure visit of farmers (Outside State)
- viii. Visit Abroad for Government Officers
- ix. Organization/Participation in Seminar/symposia/workshop for development of horticulture
- x. Accreditation and Rating of Fruit Plant Nurseries

### **4. Market Information Service for Horticulture crops**

#### **4.1 Objectives**

- i) To generate information on wholesale prices, arrivals and trends in various markets of the country for important fruits, vegetables & flowers etc and also on retail prices for increased number of selected markets
- ii) To analyze the trends of arrivals, prices and other related factors of the selected fruit and vegetables such as stock in storage, crop stand etc and generate Market Intelligence Reports
- iii) To establish a nation-wide communication network for speedy collection and dissemination of market information data for its efficient and timely utilization.
- iv) To prepare farmers' advisory and issue the same for the benefit of producer farmers especially by making use of statistics so generated and collected for optimizing returns to the producers



- v) To collect and compile horticulture database and strengthen existing system of 'Crop Estimation Survey-Fruits & Vegetables' (CES-F&V) as far as possible
- vi) Information dissemination through publicity, advertisements, films, printed literature etc.
- vii) Development of technology packages in electronic form to be shared through IT

## **5. Horticulture Promotion Services/expert services and strengthening capability of NHB**

### **Horticulture Promotion Service**

Under this component, specialized studies and surveys shall be carried and study / survey reports shall be brought out for use by targeted beneficiaries. In addition, technical laboratories shall be set up or cause to be set up and also provide technical services including advisory and consultancy services. This shall be done by NHB with or without services of outsourced experts.

#### **5.1. Components**

- i. Review the present situation of horticulture development in particular area/ State
- ii. Identify constraints in horticulture development and suggest remedial measures
- iii. Develop short term and long term strategies for systematic development of horticulture,
- iv. Develop primary/secondary data of various aspects on horticulture,
- v. Provide consultancy services, expert services & establishing labs etc. in pursuance there of,
- vi. Conduct technical scrutiny and certification of cold chain infrastructure as per implementation protocol for Technical Standards for cold storages etc.
- vii. Preparing reports relating to export competitiveness in the area of fresh horticulture produce,
- viii. Any other component of expert services provided by NHB addressing to identified needs of the sector

#### **5.2. Pattern of Assistance for above components**

100% cost of the study shall be borne by the Board.



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## Annexure-3

### List of National Horticulture Board Offices

#### National Horticulture Board

Plot No. 60, 3rd Floor, Krishna Apartment,  
Azad Society, Ambawadi  
**Ahmedabad-380 015**  
Tele/Fax : 079-26766416, 26766413  
E-mail : nhbaid@yahoo.co.in

#### National Horticulture Board

No.14/43, 2nd Floor,  
1 & 2 Stage Industrial Suburb,  
Tumkur Road, Yeshwantpur  
**Bangalore-560 022**  
Tele/Fax 080-23371935, 23374149  
E-mail : nhbblr@yahoo.com

#### National Horticulture Board

32, Purjor House 1st Floor,  
Indira Press Complex M.P Nagar,  
Zone -I, **Bhopal - 462011**  
Tele/Fax : 0755 - 2761741  
Email : bplnhb@rediffmail.com

#### National Horticulture Board

N-1/303, Lottery Plot, Nyapalli  
**Bhubaneshwar- 751015**  
Tele/Fax : 0674-2558134, 2559620  
Email : nhbbbsr@gmail.com

#### National Horticulture Board

Room No. 317, 4th Floor Central Facility Building,  
APMC Fruit Market Complex, Sector-19, Turbhe  
**Vashi (Navi Mumbai)- 400703**  
Tele/Fax 022-27830107  
E-mail : nhbpune@yahoo.com

#### National Horticulture Board

Mayukh Bhawan, 2nd Floor,  
Salt Lake, Sector-II  
**Kolkata -700091**  
Tele/Fax: 033-23377182, 23211259  
E-mail : nhb\_kolkata@yahoo.com

#### National Horticulture Board

S.C.O. 85, 2nd Floor, Sector - 40-C  
**Chandigarh 160 047**  
Tele/Fax : 0172-2625249, 2625269  
E-mail : nhb\_chd@yahoo.co.in

#### National Horticulture Board

19-22, (Garage) Krishi Bhawan  
**New Delhi-11001**  
Tele/Fax: 011-23097015, 23073019  
E-mail : nhbdelhi@gmail.com

#### National Horticulture Board

Chang Choop Building  
Near Nayuma Television,  
Tibet Road, **Gangtok-737 101**  
Tele/Fax : 03592-208453, 220975  
E-mail : nhbgangtok@yahoo.com

#### National Horticulture Board

HPMC, 2nd Floor,  
Nigam Vihar, **Shimla-171 002**  
Tele/Fax : 0177-2622908/2623801  
E-mail : nhbhp2004@yahoo.com

#### National Horticulture Board

Horticulture Complex Rajabagh  
**Srinagar-190008**  
Tele Fax 0191-2474349 (PP)  
E-mail : nhbjammu@rediffmail.com

#### National Horticulture Board

UR-10, Uppalam Road  
**Trivandrum-695001 (Kerala)**  
Tele/Fax : 0471-2470505, 2470506  
E-mail : nhbtvm@gmail.com

#### National Horticulture Board

Municipal Stadium Complex  
**Vijayawada-520010**  
Tele/Fax 0866-2473351

#### National Horticulture Board

Hall No 307, A-2, 3rd Floor South Block,  
Bahu Plaza Rail Head Complex,  
**Jammu-180 004**  
Tele/Fax : 0191-2474349  
E-mail : nhbjammu@rediffmail.com

#### National Horticulture Board

S.C.Panwar Market Yard,  
Commercial Complex No. 1,  
Peth Road Panchwati,  
**Nashik-422003**  
Tele/Fax : 0253-2534558, 2533715  
E-mail : nhbnashik@gmail.com

#### National Horticulture Board

MCAER Building 132/B,  
Bhambhurda Bhosale Nagar,  
**Pune-411 007**  
Tele/Fax : 020-25530582-83  
E-mail : nhbpune@yahoo.com

#### National Horticulture Board

C/o. Suprintendent Garden, Shahjan Park,  
Tajganj, **Agra-282001**  
Tele/Fax: 0562-2331470

#### National Horticulture Board

133/54, 'O' Block Kidwai Nagar  
**Kanpur (UP)**  
Tele/Fax: 0512-2607631



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#### National Horticulture Board

Chhibber House, 4th Floor,  
Dispur P.O., **Guwahati-781 005**  
Tele/Fax : 0361-2343719, 2340695  
E-mail : nhbghy@gmail.com

#### National Horticulture Board

No.2, 5-9-195, William Niwas,  
Chirag Ali Lane ABIDS,  
**Hyderabad-500 001**  
Tele/Fax : 040-23200806, 23201140  
E-mail : nhb.govhyd@gmail.com

#### National Horticulture Board

Second Floor, Modak Priyay,  
Plot No. 16 & 17, Near New  
Atish Market, Shipra Path,  
Mansarovar, **Jaipur 302 020**  
Tele/Fax : 0141-2399405, 2390818  
E-mail : nhbjpr@yahoo.com

#### National Horticulture Board

C/o, Director of Horticulture  
Horticulture Complex, Cantt. Road  
**Jalandhar (Punjab)**  
Tele/Fax: 0181-223048

#### National Horticulture Board

C/o, Director of Horticulture  
2, Sapru Marg Udyan Bhawan  
**Lucknow-226001**  
Tele/Fax: 0522-2623374/2202420,4072096  
E-mail: nhbiko@rediffmail.com

#### National Horticulture Board

Module No.37, 2nd Floor,  
SIDCO Readymade Garment Complex,  
Industrial Estate Guindy,  
**Chennai-600 032**  
Tele/Fax : 044-22501151/22500965  
E-mail : nhbtn@dataone.in

#### National Horticulture Board

3rd Floor, MECL Complex  
(Near TV Tower), Seminary Hills,  
**Nagpur-440 006**  
Tele/Fax : 0712-2513030,2513110  
E-mail : nhbnagpur@rediffmail.com

#### National Horticulture Board

Room No 501, 502, 5th Floor,  
Boring Road, Verma Centre  
**Patna-800 001**  
Tele/Fax : 0612-2541218,2541128  
E-mail : nhb\_patna@sify.com

#### National Horticulture Board

Naveen Sabzi Mandi Ashthal, Krishi Utpadan Mandi  
Samiti, Niranjanpur, **Dehradun- 248171**  
Tele/Fax: 0135-2761922,2762767,2725517  
E-mail : nhb\_dehradun@yahoo.com

#### National Horticulture Board

Residency Kothi (Complex)  
**Indore-452001**  
Tele/Fax: 0731-2701522

#### National Horticulture Board

Laxmi Niwas, Krishi Bhawan  
Kankey Road, **Ranchi-834 008**  
Tele/Fax : 0651-2230132,2233832  
E-mail : nhbranchijh@rediffmail.com

#### National Horticulture Board

310/311, 3rd Floor  
I.D. Shopping Centre  
Near Shivaji Stature  
Sahara Darwaja, **Surat-395003**  
Tele/Fax: 0261-2311343

#### National Horticulture Board

Plot No. 142, 1st Floor  
Seikkilar Street Extension  
Bibikulam, **Madurai -625002**  
Tele/Fax: 0452-2531195

#### National Horticulture Board

H.No. 470, Behind Ashoka Cinema  
Diwan Colony  
**Karnal-132001**

#### National Horticulture Board

C/o, Directorate of Horticulture  
Room No. 13, 2nd Floor  
Kheti Bhawan, Ranjeet Venue  
**Amritsar- 143001**  
Tele/Fax: 0183-2500236

#### National Horticulture Board

Vikas Bhawan, Fazilka Road  
**Abohar-152116**  
Tele/Fax 01634-230822

#### National Horticulture Board

H.No. 42, First Floor,  
Jal Vihar Colony,  
Near Rotary Club of India,  
Telibandha, **Raipur-492001 (Chattisgarh)**  
Tele/Fax : 0771-2423992  
E-mail : nhbraipur@yahoo.co.in

#### National Horticulture Board

C/o Regional Institute of Rural Develoment,  
Delhi-Saharanpur Road,  
**Baraut (Baghpat)**  
Tele/Fax : 01234-251723  
E-mail : nhbbaraut\_2007@yahoo.com



राष्ट्रीय बागवानी बोर्ड  
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## Annexure-4

# LIST OF NHB PUBLICATIONS

### Regular Publication

1. Horticulture Information Service (Monthly)	
Annual Subscription	
Commercial Organisation .....	Rs. 750/-
Institutes and Libraries .....	Rs. 650/-
Single Copy .....	Rs. 75/-
2. Facts and Figures (Indian Fruit & Vegetable) .....	Rs. 600/-
3. NHB Production Year Book 1997 .....	Rs. 500/-
4. Indian Horticulture Database (1998).....	Rs. 850/-
5. Indian Horticulture Database (1999) .....	Rs. 500/-
6. NHB Production Year Book (2001) .....	Rs. 300/-
7. Indian Horticulture Database (2001) .....	Rs. 650/-
8. Indian Horticulture Database (2002) (Released in November 2002).....	Rs. 650/-
9. Indian Horticulture Database (2003) (with CD-Rom) .....	Rs. 850/-
Indian Horticulture Database (2003) (without CD-Rom).....	Rs. 650/-
Indian Horticulture Database (2003) (only CD-Rom).....	Rs. 250/-
10. Indian Horticulture Database (2004) .....	Rs. 650/-
11. Indian Horticulture Database (2005) .....	Rs. 700/-
12. Indian Horticulture Database (2006) .....	Rs. 700/-
13. Indian Horticulture Database (2008) .....	Rs. 700/-
14. Indian Horticulture Database (2009) .....	Rs. 700/-
15. Indian Horticulture Database (2010) .....	Rs. 700/-
16. Indian Horticulture Database (2011) .....	Rs. 700/-
17. Indian Horticulture Database (2012) .....	Rs. 700/-
18. Indian Horticulture Database (2013) .....	Rs. 700/-
19. Indian Horticulture Database (2014) .....	Rs. 700/-

### Other Publication

1. First National Conference on Bee keeping .....	Rs. 75/-
2. Wholesale Marketing of Fruits and Vegetables in Metropolitan Cities (1991-95).....	Rs. 400/-
3. Wholesale & Retail Marketing of Fruits & Vegetable in Metropolitan Cities (1995-99).....	Rs. 300/-
4. Market Profile of Important Wholesale Fruit & Vegetable of the Country.....	Rs. 200/-
5. Operational Guidelines (January, 2007) .....	Rs. 50/-
6. Operational Guidelines (July, 2010) .....	Rs. 50/-
7. Approaches for Sustainable Development for Horticulture .....	Rs. 500/-
8. Horticulture in India .....	Rs. 500/-
9. Indian Horticulture - A Road Map .....	Rs. 500/-

**Note : Demand Draft must be sent in favour of National Horticulture Board payable at Gurgaon (Haryana)**



## SOURCES

1. MINUTES OF THE MEETING OF REVIEW COMMITTEE OF DEPARTMENT OF AGRICULTURE & COOPERATION ISSUED VIDE LETTER DATED 26-12-2014.
2. DIRECTORATE OF HORTICULTURE / AGRICULTURE (RESPECTIVE STATE GOVERNMENTS)- FOR FRUITS, VEGETABLES, FLOWERS, AROMATICS & MEDICINAL PLANTS & NUTS.
3. DIRECTORATE OF ECONOMICS AND STATISTICS, MINISTRY OF AGRICULTURE, GOVERNMENT OF INDIA (CES F&V SCHEME).
4. DIRECTORATE OF SPICES AND ARECANUT, DIRECTORATE OF CASHEW AND COCOA, COCONUT DEVELOPMENT BOARD.
5. EXPORT-APEDA WEBSITE JANUARY 2015.
6. WORLD STATISTICS-FAO WEBSITE FEBRUARY 2015, EXCEPT INDIAN DATA (SOURCE NHB DATA BASE)
7. EXPORT SPECIFICATIONS : MAHARASTRA STATE AGRICULTURE MARKETING BOARD.
8. CHECK LIST OF COMMERCIAL VERITIES OF FRUITS/ VEGETABLES/PLANTATION CROPS, MINISTRY OF AGRICULTURE, GOVT. OF INDIA.



Area in '000 HA  
Production in '000 MT

Annexure-6

**AREA AND PRODUCTION OF FRUITS AND VEGETABLES - ALL INDIA  
(2013-14)**

Fruits	Area	Production	Vegetables	Area	Production
Almond	21.39	12.74	Beans	137.54	1370.21
Aonla	103.55	1225.21	Bitterguard	78.89	807.47
Apple	313.04	2497.68	Bottleguard	103.23	1818.86
Banana	802.57	29724.55	Brinjal	711.31	13557.82
Ber	48.45	662.96	Cabbage	400.14	9039.22
Citrus			Capsicum	29.72	166.88
(i) Lime/Lemon	286.41	2835.02	Carrot	62.41	1073.71
(ii) Mandarin	329.97	3431.41	Cauliflower	433.87	8573.28
(iii) Sweet Orange (Mosambi)	334.94	3886.20	Chillies (Green)	140.04	1687.33
(iv) Others	126.41	994.43	Cucumber	43.28	678.15
Citrus Total (I to iv)	1077.73	11147.06	Mushroom	-	17.10
Custardapple	21.77	165.15	Muskmelon	36.70	760.81
Grapes	118.74	2585.34	Okra	532.66	6346.37
Guava	268.22	3667.89	Onion	1203.57	19401.68
Jackfruit	157.58	1572.87	Parwal	12.79	169.46
Kiwi	4.73	8.24	Peas	433.56	3868.63
Litchi	84.17	585.30	Potato	1973.19	41555.38
Mango	2515.97	18431.33	Radish	173.33	2484.85
Papaya	133.36	5639.30	Sitaphal/Pumpkin	19.76	416.11
Passion Fruit	19.01	123.94	Sweet Potato	105.87	1087.88
Peach	18.10	93.52	Tapioca	228.28	8139.43
Pear	42.28	316.70	Tomato	882.03	18735.91
Picanut	1.47	0.17	Watermelon	74.64	1809.83
Pineapple	109.88	1736.74	Others	1579.25	19330.54
Plum	23.15	75.80	<b>Total</b>	<b>9396.06</b>	<b>162896.91</b>
Pomegranate	130.77	1345.72			
Sapota	176.97	1744.30			
Strawberry	0.21	1.61			
Walnut	121.87	240.63			
Others	901.33	5372.38			
<b>TOTAL FRUITS</b>	<b>7216.31</b>	<b>88977.13</b>			

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.





राष्ट्रीय बागवानी बोर्ड  
National Horticulture Board

Annexure-7

Area in '000 HA  
Production in '000 MT  
**STATEWISE AREA AND PRODUCTION OF VARIOUS HORTICULTURAL CROPS DURING THE YEAR 2013-14**

STATE/UTS	FRUITS		VEGETABLES		FLOWERS		AROMATIC		SPICES		PLANTATION CROPS		HONEY		TOTAL	
	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P
							LOOSE	CUT								
ANDAMAN & NICOBAR	3.55	29.73	6.89	51.79	0.13	0.29	0.00		1.68	3.22	27.33	95.71			39.58	180.74
ANDHRA PRADESH	640.05	10510.56	439.64	8149.76	20.37	136.27	30.00	1.88	3.51	169.36	775.82	329.59	1364.68	1.50	1600.89	20972.09
ARUNACHAL PRADESH	88.09	321.26	1.40	35.00	0.02	0.01	1.86	5.15	109.18	10.17	64.27	1.00	0.56		106.83	532.14
ASSAM	144.68	2007.80	281.40	3031.90	3.00	20.00	32.69	4.35	0.16	93.08	279.14	97.80	174.56		624.31	5546.26
BIHAR	302.07	4013.58	809.80	15097.77	0.82	7.63	2.74	4.56	0.59	13.01	12.54	15.25	97.33	6.50	1145.51	19238.68
CHHATTISGARH	212.89	1930.18	403.43	5465.92	10.13	45.73	0.00	8.44	50.25	11.80	8.30	15.12	23.96	0.50	661.81	7524.84
D & N HAVELI	0.00	0.00	1.10	5.50	0.00	0.00	0.00				0.00	0.00			1.10	5.50
DAMAN & DIU	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00			0.00	0.00
DELHI	0.00	0.00	27.30	436.95	5.50	5.77	5.77				0.00	0.00			32.80	448.41
GOA	11.28	81.19	7.00	79.92	0.01	0.02	0.10		0.91	0.28	85.46	123.43			104.66	284.94
GUJARAT	370.76	8001.96	582.28	11571.24	17.30	163.60	0.00		541.82	848.48	39.60	227.57	0.10	1551.76	20812.95	
HARYANA	50.59	554.90	373.17	5865.90	6.48	65.45	11.26	1.76	1.14	16.13	82.82	0.00	0.00	4.00	448.13	6285.47
HIMACHAL PRADESH	220.71	866.34	86.60	1635.88	0.82	28.14	12.36	1.11	0.90	8.43	14.16	0.00	0.00	5.00	317.67	2662.77
JAMMU & KASHMIR	355.21	2073.94	63.06	1395.47	0.75	0.42	1.82			4.94	1.07	0.00	0.00	2.50	423.96	3475.23
JHARKHAND	94.03	890.04	313.61	4238.13	1.60	22.03	9.51		0.00	0.00	0.00	13.83	4.60	1.20	423.06	5165.50
KARNATAKA	396.00	6652.42	418.69	7500.69	30.60	211.50	71.53	3.70	21.10	191.79	333.83	870.56	3901.00	2.00	1911.34	18694.07
KERALA	376.95	2889.50	147.69	3572.67	0.00	0.00	0.00		168.96	114.06	997.71	4307.17	2.00	1689.31	10885.41	
LAKSHADWEEP	0.22	0.48	0.25	0.33	0.00	0.00	0.00				2.57	48.80			3.04	49.61
MADHYA PRADESH	203.79	5696.00	628.72	13019.31	17.06	200.39	0.00	63.95	404.60	284.91	454.17	0.00	0.00	1.50	1198.43	19775.97
MAHARASHTRA	1565.00	13457.92	726.00	10161.83	23.00	122.65	43.97		120.76	109.04	214.48	368.80	1.00	2649.24	24265.21	
MANIPUR	54.05	515.69	25.19	271.04	0.76	0.28	0.01		10.47	24.14	0.90	1.50		91.37	812.66	
MEGHALAYA	35.30	348.00	43.60	515.34	0.05	0.00	2.37		17.50	83.88	25.61	29.40		122.07	978.99	
MIZORAM	57.55	343.90	41.10	254.14	0.20	171.57	1.23	1.11	0.90	22.47	59.62	7.60	4.40	130.03	835.75	
NAGALAND	40.56	411.00	38.55	492.37	0.01	0.00	0.36		9.77	39.16	1.67	11.35		90.56	954.24	
ODISHA	325.86	2148.27	677.33	9433.66	7.44	37.40	57.40	1.92	0.64	123.32	181.50	217.69	309.34	0.75	1353.57	12168.96
PUDUCHERRY	0.64	12.58	0.90	16.26	0.14	1.20	0.00		0.09	0.38	7.02	26.54		8.79	66.96	
PUNJAB	76.59	1541.24	191.02	3936.19	1.35	10.46	0.00	14.01	2.51	19.13	70.92	0.00	0.00	14.00	302.10	5575.33
RAJASTHAN	37.40	861.78	148.88	1114.07	2.53	2.73	0.00	231.24	124.30	819.51	674.84	0.00	0.00	1.80	1239.56	2499.52
SIKKIM	16.02	24.05	26.11	34.03	0.24	16.00	1.88		32.06	55.80	0.00	0.00			74.43	232.26
TAMILNADU	328.55	7369.86	289.74	8678.92	55.03	343.65	12.87	16.37	162.12	166.00	554.52	634.55	4842.33	1.50	1490.23	21965.67
TELANGANA	364.48	4440.98	220.94	3647.28	6.89	40.68	35.11		134.18	551.47	1.61	16.58		728.10	8732.09	
TRIPURA	68.38	786.35	46.69	780.52	0.00	0.00	0.00		5.69	18.04	15.81	32.20		136.57	1617.11	
UTTAR PRADESH	378.97	6887.45	859.38	18544.96	16.58	32.16	54.06	133.70	13.40	61.66	244.02	0.00	0.00	12.50	1450.29	25788.55
UTTARAKHAND	171.62	678.49	88.28	1016.93	1.35	2.02	8.45		8.09	41.08	0.00	0.00		1.80	269.34	1748.67
WEST BENGAL	223.50	2909.71	1380.30	23044.95	24.85	66.50	145.19		97.96	207.72	51.85	289.41		15.00	1778.06	26678.48
OTHERS															1.00	0.00
TOTAL	7216.31	88977.13	9396.06	162896.91	255.02	1754.49	542.53	493.25	895.30	3163.24	5908.29	3674.60	16301.22	76.15	24198.48	277352.04

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

Area in '000 HA  
Production in '000 MT

Annexure-8

# STATEWISE AREA AND PRODUCTION OF FRUITS FOR THE YEAR 2013-14

STATES/UTS	APPLE		BANANA		CITRUS		GRAPES		GUAVA		LITCHI		MANGO		PAPAYA		PINEAPPLE		POME-GRANATE		SAPOTA		OTHER FRUITS		TOTAL FRUITS	
	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P
ANDAMAN NICOBAR			1.82	14.04	0.35	2.30			0.08	0.21			0.40	3.85	0.32	2.70	0.12	2.30	0.01	0.00	0.28	3.29	0.17	1.04	3.55	29.73
ANDHRA PRADESH			90.48	3166.90	137.42	1913.38	0.43	8.93	6.94	104.08			304.11	2737.01	19.31	1544.77	2.30	86.00	6.00	90.01	24.75	247.17	48.32	612.32	640.05	10510.56
ARUNACHAL PRADESH	14.28	31.87	6.23	19.10	39.88	182.10											12.78	69.61					15.92	18.58	89.09	321.26
ASSAM			50.81	857.72	28.78	294.09			4.19	83.80	5.38	48.08	4.49	44.59	7.50	149.14	16.54	288.60					27.00	241.78	144.68	2007.80
BIHAR			34.31	1435.78	17.95	128.90			29.96	373.71	31.48	234.20	149.00	1367.57	1.99	39.97	4.16	113.91					33.21	319.54	302.07	4013.58
CHHATTISGARH			20.79	498.81	11.81	80.62			19.27	162.77	5.36	37.63	64.35	327.91	10.88	266.84			0.14	0.51	0.19	0.99	80.10	534.10	212.89	1930.18
D & N HAVELI					0.00	0.00																	0.00	0.00	0.00	0.00
DAMAN & DIU					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
GOA			2.32	26.31	0.00	0.00							4.82	8.94			0.30	4.90					3.84	41.04	11.28	81.19
GUJARAT			66.50	4225.49	41.08	449.24			10.81	140.82			142.65	1125.61	19.59	1185.47			9.38	99.33	28.61	297.02	52.10	478.98	370.76	8001.96
HARYANA					19.38	235.35	0.04	0.55	10.67	125.04	0.20	2.75	9.16	86.61						1.57	13.40	9.57	91.20	50.59	554.90	
HIMACHAL PRADESH	107.69	738.72	0.09	0.29	0.29	0.13	2.20	2.50	4.97	3.28	40.30	25.41	0.21	1.28					2.20	2.54	0.05	0.01	39.81	69.91	220.71	866.34
JAMMU & KASHMIR	160.87	647.69			14.22	22.57	0.43	0.74	2.44	5.78	0.99	1.07	12.91	6.99					0.11	0.34			163.24	388.76	355.21	2073.94
JHARKHAND			0.54	1.29	9.28	87.67			8.67	95.39	5.27	58.24	51.33	517.92	0.51	5.13			0.52	2.21			17.91	122.19	94.03	880.04
KARNATAKA			102.71	2675.63	17.29	379.25	20.46	302.39	6.43	143.39			180.53	1755.56	6.75	475.71	2.72	160.31	16.62	134.18	31.17	365.65	11.32	260.35	396.00	6652.42
KERALA			34.46	528.21	0.00	0.00							74.44	441.03	15.70	89.91	8.54	72.86					243.80	157.30	376.95	2889.50
LAKSHADWEEP			0.13	0.30	0.00	0.00			0.01	0.02									0.01	0.00	0.01	0.03	0.04	0.07	0.22	0.48
MADHYA PRADESH			26.27	1735.00	71.81	1240.79	0.15	2.00	22.35	841.10			25.43	379.73	13.16	433.69			2.38	25.29			42.24	1038.40	203.79	5696.00
MAHARASHTRA			83.00	4830.60	275.00	1761.00	90.00	2160.00	40.00	324.00			485.00	1212.50	11.00	500.50			90.00	945.00	73.00	474.50	418.00	1249.92	1555.00	13457.92
MANIPUR			6.70	90.48	11.00	93.85											13.70	186.31					22.65	195.08	54.05	515.69
MEGHALAYA			7.04	86.43	11.47	49.60											11.31	117.77					4.72	88.22	35.30	348.00
MIZORAM			10.84	140.92	25.15	77.69	2.45	23.87	0.41	2.50	0.40	1.73	0.78	3.68	1.05	24.60	4.09	30.14	0.01	0.02	0.00	0.02	12.37	38.72	57.55	343.90
NAGALAND	0.21	1.89	7.32	109.80	8.55	74.40	0.19	1.14	0.52	4.16	0.42	3.22	0.51	3.57	1.36	16.32	9.50	142.50	0.12	0.73			11.82	53.27	40.56	411.00
ODISHA			25.06	476.60	27.52	268.01			14.20	103.60	4.47	20.32	19.27	751.02	3.28	72.18	0.84	10.38	0.23	0.87	3.35	15.64	49.39	429.65	325.86	2148.27
PUDUCHERRY			0.26	8.78	0.01	0.10			0.07	0.56				2.57							0.05	0.26	0.05	0.31	0.64	12.58
PUNJAB			0.16	9.32	50.43	1044.20	0.42	12.02	8.21	180.78	1.85	28.00	6.74	107.57									8.79	159.36	76.59	1541.24
RAJASTHAN			0.04	0.64	24.10	433.20	0.01	0.07	2.47	24.62			5.61	79.90	0.59	10.53			0.91	5.63	0.01	0.03	3.67	27.16	37.40	581.78
SKIKIM	0.02	0.03	1.63	3.98	10.28	16.86			1.10	0.11	0.32	0.03										1.98	2.58	16.02	24.05	
TAMIL NADU	0.01	0.03	18.04	565.00	11.42	39.70	2.84	47.72	8.63	50.75			161.58	785.50	1.02	202.67	0.69	22.90	0.40	13.09	8.05	284.39	15.67	293.11	328.55	7369.86
TELANGANA			8.61	301.49	144.79	1987.89	1.23	25.79	6.00	90.03			190.88	1717.88	2.66	212.88			1.73	25.97	1.49	14.87	7.09	64.18	364.48	4440.98
TRIPURA			13.64	134.25	12.23	58.00			0.99	5.20	3.88	20.18	10.56	56.28	3.41	33.82	11.59	162.26			0.20	1.62	11.88	314.74	68.38	786.35
UTTAR PRADESH			37.26	1599.02	0.56	1.63			45.02	605.03	0.39	1.98	262.16	4300.98	0.19	9.59							33.38	369.23	378.97	6887.45
UTTARAKHAND	29.97	77.45			20.98	91.39			2.04	11.96	9.44	30.71	36.96	150.44									72.23	316.55	171.62	678.49
WEST BENGAL			45.50	1097.50	11.88	111.00			14.35	186.00	9.30	93.90	93.50	430.71	11.40	335.00	10.70	316.00			4.20	45.40	22.67	294.20	223.50	2909.71
TOTAL	313.04	2497.68	802.57	29724.55	1077.73	11147.06	118.74	2885.34	268.22	3687.89	84.17	565.30	2515.97	18431.33	133.36	5639.30	109.88	1736.74	130.77	1345.72	176.97	1744.30	1484.92	8871.94	7216.31	88877.13

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



Area in '000 HA  
Production in '000 MT

**STATEWISE AREA AND PRODUCTION OF CITRUS CROPS DURING THE YEAR 2013-14**

STATE/UT'S	LIME/LEMON		MANDARIN(M. ORANGE, KINNOW,ORANGE)		SWEET ORANGE(MALTA, MOSAMBI)		OTHER CITRUS		TOTAL	
	A	P	A	P	A	P	A	P	A	P
ANDAMAN NICOBAR	0.18	1.43	0.09	0.39	0.08	0.48			0.35	2.30
ANDHRA PRADESH	38.85	562.74			98.57	1330.64			137.42	1913.38
ARUNACHAL PRADESH							39.88	182.10	39.88	182.10
ASSAM	12.97	103.46	15.67	188.78	0.14	1.85			28.78	294.09
BIHAR	17.95	128.90							17.95	128.90
CHHATTISGARH	11.46	78.79			0.35	1.83			11.81	80.62
D & N HAVELI									0.00	0.00
DAMAN & DIU									0.00	0.00
DELHI									0.00	0.00
GOA									0.00	0.00
GUJARAT	41.08	449.24							41.08	449.24
HARYANA							19.38	235.35	19.38	235.35
HIMACHAL PRADESH	10.57	5.93	8.59	11.01	1.55	1.95	2.40	3.39	23.11	22.27
JAMMU & KASHMIR							14.22	22.57	14.22	22.57
JHARKHAND	8.82	87.67	0.46						9.28	87.67
KARNATAKA	11.48	268.24	3.41	75.89	2.09	31.54	0.31	3.58	17.29	379.25
KERALA									0.00	0.00
LAKSHADWEEP									0.00	0.00
MADHYA PRADESH	10.79	237.38	52.49	894.43	8.53	108.98			71.81	1240.79
MAHARASHTRA	45.00	306.00	135.00	742.50	95.00	712.50			275.00	1761.00
MANIPUR	5.85	52.65	5.15	41.20					11.00	93.85
MEGHALAYA	1.09	3.96	8.60	40.89			1.78	4.75	11.47	49.60
MIZORAM	8.00	25.60	13.51	40.43	1.52	4.86	2.12	6.80	25.15	77.69
NAGALAND	1.55	12.40	6.10	54.80	0.26	2.08	0.64	5.12	8.55	74.40
ODISHA							27.52	268.01	27.52	268.01
PUDUCHERRY	0.01	0.10							0.01	0.10
PUNJAB	0.66	5.02	47.10	1017.73	2.67	21.46			50.43	1044.20
RAJASTHAN	2.69	15.35	11.23	229.89	0.30	7.19	9.89	180.77	24.10	433.20
SIKKIM			10.28	16.86					10.28	16.86
TAMIL NADU	8.92	22.15	2.11	4.12	0.12	3.84	0.27	9.59	11.42	39.70
TELANGANA	22.12	331.86							144.79	1987.89
TRIPURA	4.83	23.12	6.30	33.90	1.10	0.98			12.23	58.00
UTTAR PRADESH	0.56	1.63							0.56	1.63
UTTARAKHAND	20.98	91.39							20.98	91.39
WEST BENGAL			3.88	38.60			8.00	72.40	11.88	111.00
<b>TOTAL</b>	<b>286.41</b>	<b>2835.02</b>	<b>329.97</b>	<b>3431.41</b>	<b>334.94</b>	<b>3886.20</b>	<b>126.41</b>	<b>994.43</b>	<b>1077.73</b>	<b>11147.06</b>

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.

STATEWISE AREA AND PRODUCTION OF VEGETABLE FOR THE YEAR 2013-14

STATES/UTS	BRINJAL		CABBAGE		CAULIFLOWER		OKRA/ LADYFINGER		ONION		PEAS		POTATO		SWEET POTATO		TAPIOCA		TOMATO		OTHERS	TOTAL
	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P
ANDAMAN/NICOBAR	0.57	3.29	0.08	1.25	0.49	4.60	0.84	4.57														
ANDHRA PRADESH	88.03	1160.53	3.02	45.37	2.19	93.50	44.10	661.42	55.81	1004.55	2.37	23.69	2.55	51.06	0.30	6.02	18.26	365.21	167.72	3354.47	85.30	1383.95
ARUNACHAL PRADESH			0.40	11.00	0.25	5.75													0.50	13.50	0.25	4.75
ASSAM	16.98	270.70	31.69	656.67	21.71	337.59	11.64	170.98	7.44	28.81	31.25	26.51	97.96	700.14	6.05	30.51	3.13	27.64	17.47	408.36	36.12	373.99
BHARAT	57.49	1240.49	40.00	734.98	65.73	1147.76	58.08	783.54	54.32	1304.16	10.16	67.15	318.45	6536.00	0.85	8.32		47.69	1061.71	157.03	2213.59	803.80
CHHATTISGARH	33.07	585.98	18.59	338.56	21.43	385.77	27.80	430.63	20.08	309.54			37.89	556.40	3.37	35.77		50.38	814.22	190.82	1999.05	403.43
D & N HAVELI	0.50	2.20																0.40	1.80	0.20	1.50	1.10
DAMAN & DIU																				0.00	0.00	0.00
DELHI	1.12	16.87			2.03	36.56	0.94	14.10	0.78	17.07	4.31	55.62	0.68	15.72				0.91	14.20	16.53	266.82	27.30
GOA																						
GUJARAT	76.01	1476.99	30.35	661.40	27.70	601.48	65.99	759.04	72.79	1851.22			73.64	2267.38				44.57	1259.01	191.23	2694.72	582.28
HARYANA	19.00	400.78	14.80	241.13	30.30	526.49	23.48	186.30	30.16	672.17	15.40	108.82	29.97	696.51				29.42	627.28	180.64	2106.42	373.17
HIMACHAL PRADESH	1.16	26.68	4.56	153.81	4.53	100.07	2.76	34.03	2.34	43.71	23.90	271.06	19.20	243.26				10.37	430.79	17.78	332.47	86.60
JAMMU & KASHMIR	2.02	45.24	2.49	73.23	3.25	85.26	2.52	42.99	2.85	65.27	2.79	58.08	6.91	127.24				3.58	88.09	36.65	810.08	63.06
JHARKHAND	21.20	272.46	30.18	471.30	23.13	364.50	32.53	447.41	16.22	320.53	24.14	359.28	49.06	653.12				26.39	251.44	90.77	1098.09	313.61
KARNATAKA	15.83	402.51	10.03	212.82	4.87	84.87	9.26	77.10	136.57	2065.16	1.36	20.03	40.71	539.70	2.31	34.15	1.16	13.47	61.04	2068.38	135.55	1982.50
KERALA											0.48	8.11			0.25	4.39	71.07	2581.38		75.90	978.80	147.69
LAKSHADWEEP	0.02	0.03									0.01	0.01			0.03	0.13	0.02	0.07	0.01	0.01	0.16	0.25
MADHYA PRADESH	42.74	1066.74	19.67	578.35	25.05	703.82	26.51	305.91	117.31	2826.02	56.12	474.20	110.00	2322.40	2.76	49.49		65.72	1937.37	162.86	2755.02	628.72
MAHARASHTRA	30.00	690.00	29.00	640.90	36.00	813.24	23.00	241.50	468.00	5864.04	5.00	30.00	20.00	370.00				50.00	1200.00	65.00	312.15	726.00
MANIPUR			7.10	84.53	2.75	30.25	0.12	0.84	0.27	4.05	5.81	59.42						2.83	28.73	6.31	63.22	25.19
MEGHALAYA	0.98	13.36	1.83	39.94	1.96	77.14			0.49	4.13	0.87	5.71	18.45	181.82	4.48	15.64	5.30	31.95	21.7	51.42	7.07	94.22
MIZORAM	2.25	16.03	3.23	43.28	0.12	1.00	3.25	22.43	0.41	3.74	0.46	2.16	0.24	3.00	0.19	1.24	0.13	1.90	0.88	8.27	28.94	41.10
NAGALAND	0.41	3.28	8.10	162.00	0.62	4.96	0.16	1.28	0.70	7.70	1.56	9.36	4.82	65.10	1.56	23.40	6.15	92.25	2.72	20.00	11.75	103.04
ODISHA	125.20	2158.25	40.98	1150.88	44.07	667.73	65.24	578.53	35.81	432.05	5.89	52.79	14.99	249.76	42.03	396.20	0.06	1.01	97.02	1385.96	204.04	2360.50
PUDUCHERRY	0.17	2.12					0.07	0.68	0.03	0.11					0.10	1.43	0.10	2.57	0.01	0.06	0.44	9.29
PUNJAB	3.86	82.02	4.95	87.19	12.22	219.21	3.20	33.35	8.32	185.40	20.54	210.86	87.24	2189.16			2.05	42.17	7.39	181.07	41.23	705.77
RAJASTHAN	5.54	23.22	0.78	4.20	10.13	39.80	3.95	12.27	57.46	704.96	13.60	22.87	9.51	113.25	0.64	1.98		17.15	81.75	30.12	109.77	148.88
SIKKIM	0.26	1.68	1.21	7.34	0.78	4.23	1.13	7.52	0.32	1.72	2.02	9.27	10.24	49.86				1.01	9.08	9.14	43.83	26.11
TAMIL NADU	10.93	126.22	2.16	143.47	1.01	22.20	8.77	83.59	39.97	472.69			5.35	115.63	0.45	10.02	120.61	4975.56	25.15	32.50	75.34	2396.94
TELANGANA	15.11	302.26	5.63	84.38	2.93	32.18	25.19	377.82	23.57	424.22	0.16	1.62	4.93	98.58				74.19	1483.71	69.25	842.51	220.94
TRIPURA	3.52	53.56	3.03	79.29	2.56	52.50	1.68	16.00					8.72	153.90				1.58	39.00	25.60	386.37	46.69
UTTAR PRADESH	3.43	111.70	1.89	61.32	9.74	205.40	12.19	148.64	24.27	409.96	171.17	1782.63	564.23	13808.76	17.54	230.51		8.07	327.83	46.82	1458.19	859.38
UTTERAKHAND	2.40	25.64	6.20	73.23	2.73	36.41	3.28	26.90	3.80	35.86	12.77	84.00	24.71	409.62				9.08	113.65	23.32	211.51	86.28
WEST BENGAL	161.50	2977.00	78.20	2197.40	73.60	1879.00	75.00	877.00	23.50	133.50	412.25	9030.00	22.80	236.00				56.50	1141.50	455.05	4230.70	1380.30
TOTAL	711.31	13557.82	400.14	9039.22	433.87	8573.28	532.66	6346.37	1203.57	19401.66	433.56	3868.63	1973.13	41555.38	105.87	1087.88	228.28	8139.43	882.03	18735.91	2491.58	32591.31

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



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Annexure-11

Area in '000 HA  
Production in '000 MT

STATEWISE AREA AND PRODUCTION OF PLANTATION DURING THE YEAR 2013-14

STATE/UT'S	ARECANUT		CASHENUT		COCOA		COCONUT		TOTAL	
	A	P	A	P	A	P	A	P	A	P
ANDAMAN NICOBAR	4.23	5.88	1.20	0.38			21.90	89.45	27.33	95.71
ANDHRA PRADESH	0.48	0.26	184.95	100.42	22.24	5.80	121.92	1258.40	329.59	1364.68
ARUNACHAL PRADESH			1.00	0.56					1.00	0.56
ASSAM	76.57	74.04	1.00	6.50			20.23	94.02	97.80	174.56
BIHAR							15.25	97.33		97.33
CHHATTISGARH			13.60	8.75			1.52	15.21	15.12	23.96
D & N HAVELI									0.00	0.00
DAWAN & DIU									0.00	0.00
DELHI									0.00	0.00
GOA	1.74	2.90	57.97	32.35			25.75	88.18	85.46	123.43
GUJARAT			7.97	24.52			31.63	203.05	39.60	227.57
HARYANA									0.00	0.00
HIMACHAL PRADESH									0.00	0.00
JAMMU & KASHMIR									0.00	0.00
JHARKHAND			13.83	4.60					13.83	4.60
KARNATAKA	217.48	348.77	124.11	80.61	11.68	2.14	517.29	3469.48	870.56	3901.00
KERALA	102.09	113.36	84.93	80.12	13.48	6.32	797.21	4107.37	997.71	4307.17
LAKSHADWEEP							2.57	48.50	2.57	48.50
MADHYA PRADESH									0.00	0.00
MAHARASHTRA	2.20	3.58	184.20	236.20			28.08	129.02	214.48	368.80
MANIPUR			0.90	1.50					0.90	1.50
MEGHALAYA	17.11	24.68	8.50	4.72					25.61	29.40
MIZORAM	7.57	4.32	0.00	0.00			0.03	0.08	7.60	4.40
NAGALAND	0.22	0.12					1.45	11.23	1.67	11.35
ODISHA			166.91	85.71			50.78	223.63	217.69	309.34
PUDUCHERRY	0.06	0.08	5.00	3.00			1.96	23.46	7.02	26.54
PUNJAB									0.00	0.00
RAJASTHAN									0.00	0.00
SIKKIM									0.00	0.00
TAMIL NADU	6.06	13.20	139.42	67.39	23.96	1.07	465.11	4760.67	634.55	4842.33
TELANGANA							1.61	16.58	1.61	16.58
TRIPURA	4.70	9.92	4.20	2.80			6.91	19.48	15.81	32.20
UTTAR PRADESH									0.00	0.00
UTTARAKHAND									0.00	0.00
WEST BENGAL	11.39	21.16	11.16	13.03			29.30	255.22	51.85	289.41
TOTAL	451.90	622.27	1010.85	753.16	71.37	15.13	2140.49	14910.66	3674.60	16301.22

Source:  
Arecanut : Directorate of Arecanut & Spices Development (DASD)  
Cashewnut : Directorate of Cashewnut & Cocoa Development (DCCD) for all States except A&N, Gujarat and Mizoram.  
Cocoa : Directorate of Cashewnut & Cocoa Development (DCCD)  
Coconut : State Directorate of Horticulture  
\* Tamil Nadu has not provided figures for coconut. Therefore, figures received during 2012-13(2nd est.) repeated.

Area in '000 HA  
Production in '000 MT

# STATEWISE AREA AND PRODUCTION OF SPICES DURING THE YEAR 2013-14

Annexure-12

STATES/UTS	PEPPER		GINGER		CHILLIES		TURMERIC		GARLIC		CARDAMOM		CORIANDER		CUMIN	FENNEL	FENUGREEK	AJWAIN	DILL / POPPY / CELERY	CINNAMON / TEAPAT	NUTMEG	CLOVE	TAMARIND	SAFFRON / VANILLA	TOTAL											
	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P												
ANDAMAN AND NICOBAR	0.60	0.13	0.22	1.91	0.40	0.61	0.08	0.47												0.15	0.04	0.07	0.05	0.13	0.01		1.88	3.22								
ANDHRA PRADESH				0.36	1.37	131.32	801.98	17.82	151.91				8.45	5.02				6.63	2.88								10.17	64.27								
ARUNACHAL PRADESH										0.03	0.01		28.57	53.14													93.08	279.14								
ASSAM	3.52	2.01	15.68	122.31	18.92	18.48	16.31	15.78	10.08	89.42			2.30	1.70	3.00	3.00	4.25	4.00									13.01	12.54								
BHAR													2.98	0.83													11.80	8.30								
CHHATTISGARH				1.62	1.78	5.01	1.65	0.98	0.84	1.20	3.20										0.17	0.05					0.91	0.28								
GOA																																				
GUJARAT				4.40	70.65	43.40	68.53	2.98	50.48	35.00	250.00		20.57	32.31	370.00	280.00	38.00	55.00	5.00	14.00	5.87	6.37	16.60	21.13			541.92	848.48								
HARYANA				0.45	5.65	2.43	4.22	1.33	23.94	4.44	35.93		2.43	4.41		0.27	0.17	4.78	8.70								16.13	82.82								
HIMACHAL PRADESH				3.23	7.64	0.63	0.20	0.20	0.11	4.15	6.14		0.14	0.05	0.08	0.02											8.43	14.16								
JAMMU & KASHMIR				0.03	0.04	0.58	0.54	0.02	0.02	0.54	0.48																									
JHARKHAND																																				
KARNATAKA	28.28	8.03	15.71	50.05	89.56	111.55	13.98	65.41	4.73	8.42	18.68	1.51	1.22	0.54						0.04	0.01	0.15	0.15	0.13	0.17	16.80	191.78	333.83								
KEHALA	84.88	38.67	4.44	21.25	1.34	1.29	2.63	6.90	0.07	0.40	39.73	12.91								0.14	0.00	18.46	12.53	0.91	0.07	14.00	20.00	0.38	0.04	166.96	114.06					
MADHYA PRADESH				9.00	15.00	94.41	93.57	1.50	0.60	60.00	270.00		160.00	75.00						0.04	0.00	18.46	12.53	0.91	0.07	14.00	20.00	0.38	0.04	284.93	454.17					
MAHARASHTRA				1.06	1.04	99.50	45.60	11.00	11.00	3.50	40.00																120.76	109.04								
MANIPUR				2.40	3.84	6.50	3.90	1.40	18.40	0.17	0.00																10.47	24.14								
MEGHALAYA	0.95	0.64	9.64	62.99	2.01	1.56	2.17	12.53	0.28	1.11			0.01	0.05						2.44	5.00					17.50	83.88									
MIZORAM	0.07	0.01	7.28	28.35	9.02	8.21	6.05	22.99	0.02	0.01			0.03	0.01						0.00	0.00	0.00				22.47	59.82									
NAGALAND	0.23	0.01	5.32	36.00	0.80	1.00	0.12	0.50	0.10	0.15	3.20	1.50														9.77	38.16									
ODISHA				15.84	35.00	75.00	2.48	30.00	10.90	35.50			19.10	11.00													123.32	181.50								
PUDUCHERRY	0.01	0.01					0.01	0.01	0.01													0.06	0.35				0.09	0.38								
PUNJAB							10.60	17.70	0.78	2.71	3.70	45.00															19.13	70.92								
RAJASTHAN				0.12	0.25	6.72	11.28	0.14	0.38	45.02	218.42		182.73	117.08	488.82	233.82	15.16	14.28	55.38	64.10	12.62	9.22	12.80	6.00			819.51	674.84								
SIKKIM				9.30	52.11							22.76	3.68														32.06	55.80								
TAMIL NADU	4.29	0.98	0.73	7.01	50.67	23.05	76.98	461.99	0.45	2.59	5.16	0.95	9.59	4.10							0.87	0.82	16.64	55.00	0.57	0.02	166.00	554.52								
TELANGANA				1.77	12.75	78.94	279.78	49.64	252.06	0.28	1.50		1.38	0.93				1.55	0.73							134.18	551.47									
Tripura	0.24	0.15	1.80	7.60	2.35	3.70	1.30	6.59																			5.69	18.04								
UTTAR PRADESH				0.81	4.17	13.77	11.11	2.00	6.00	37.24	218.18		6.73	3.68	0.00	0.01	0.73	0.67	0.38	0.20						61.86	244.02									
UTTARAKHAND				2.36	23.44	2.00	7.20	1.34	2.49	1.09	1.54		0.90	3.80				0.40	2.61							8.09	41.08									
WEST BENGAL				11.50	25.00	63.60	100.00	15.80	42.00	3.35	40.00	0.31	0.72														97.56	207.72								
TOTAL	123.81	50.87	132.62	655.06	774.87	1492.14	232.67	189.89	230.59	1251.88	92.44	21.28	447.13	313.65	658.90	513.85	54.16	70.12	65.94	89.81	28.67	19.20	33.47	32.84	2.71	5.05	18.90	12.78	2.08	1.07	56.58	188.13	7.25	1.07	3163.24	5908.28

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.



## STATEWISE AREA AND PRODUCTION OF FLOWERS DURING THE YEAR 2013-14

Area in '000 HA  
Production in '000 MT

[illegible]

Source : All India 2013-14 (Final Estimates), Department of Agriculture & Cooperation.









## Get Star Rating for Your Commercial Nursery for Fruit Plants

**Before making application for Star Rating of your Nursery carry out self audit and ensure that:**

- Mother Plants are duly marked and numbered
- Infrastructure Facilities for Production of Disease Free, Healthy Planting Material is available in the Nursery
- Nursery is being operated by trained workmen
- Records for Production, Survival, Sales and Purchase of Planting Materials are duly maintained
- You trade in quality planting materials produced by accredited nursery only

**Why delay if your Nursery meets  
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National Horticulture Board

### National Horticulture Board

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