

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO. 3116
TO BE ANSWERED ON 8TH AUGUST, 2023

QUALITY OF MANGO VARIETIES

3116. SHRI KANUMURU RAGHU RAMA KRISHNA RAJU:
SHRI MANNE SRINIVAS REDDY:
SHRI KOMATI REDDY VENKAT REDDY:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि और किसान कल्याण मंत्री be pleased to state:

(a) whether although it's peak mango season in North India, but varieties of the fruit arriving in the market lack taste, flavour and colour and untimely rain, hailstorms and attacks by semilooper caterpillars are cited as reasons for dip in quality in varieties such as Alphonso, Kesar, Dasherri, Chausa, Langda, Lucknowi, Amrapali and Mallika;

(b) if so, the details thereof and the reasons therefor till now since 2012 onwards, State/variety-wise along with the details of production/yield;

(c) whether Agriculture and Processed Food Products Export Development Authority (APEDA) should support farmers by giving them export licenses as the country produces best quality mangoes and they are always in demand and exports also hit too and farmers need Government protection for this and scientists have taken note of the poor yield and advised farmers to adopt the "bagging" method of placing bags over the fruit to protect it from pests and the elements; and

(d) if so, the assistance/help provided to the farmers till now in Andhra Pradesh, Telangana and Uttar Pradesh?

ANSWER

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि और किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) & (b): The climatic factors such as thunderstorm, unseasonal rains and early monsoon during flowering to fruit harvesting period cause about 10% to 25% of losses in mango

production every year. Early monsoon also deteriorates the fruit quality and enhances the post-harvest rot.

As per the report received from the ICAR- Central Institute for Subtropical Horticulture (CISH), Lucknow, the thunder and hailstorm in several districts of Uttar Pradesh caused 2% to 20% losses in mango production during the 2nd fortnight of March and 1st fortnight of April 2023. Later, incidence of hoppers during April-May and semiloopers- caterpillars followed by early monsoon rain during June 2023 affected the fruit quality and its market value. Further, the continued rains for about a fortnight during June and July also caused difficulties in pest management and hindrance in harvesting of fruits. However, the perceived lack of taste and flavour could be due to pre-mature picking after the heavy fruit fall occurred prior to the first harvest in June in Uttar Pradesh.

The State-wise area and production of mango for the period from 2012-13 to 2022-23 (1st Advance Estimates) are given in Annexure-1

(c) & (d): The Agriculture and Processed Food Products Export Development Authority (APEDA) issues Registration-Cum-Membership Certificate (RCMC) to exporters including Farmer Producer Organisations/ Farmer Producer Corporations and Farmers that enables them to avail various financial assistance schemes under the APEDA and services provided by it for promotion of exports of agricultural products including mango.

According to ICAR-CISH, bagging of fruits is a well-proven technology to protect mango fruits insects, pests, pathogens and even thunderstorm. The Institute has been demonstrating the technology and it is gradually getting popular.

The Department of Agriculture & Farmers Welfare is implementing the Mission for Integrated Development of Horticulture (MIDH), a Centrally Sponsored Scheme since 2014-15 for the holistic development of horticulture sector in the Country. Under MIDH, for high-density plantation of mango, assistance is provided @ 40% of the cost of Rs. 1.50 lakh/ha. i.e. maximum Rs. 60,000/ha. for meeting the expenditure on planting material, cost of drip system, Integrated Nutrient Management/ Integrated Pest Management (INM/IPM), canopy management, etc. under integrated package with drip irrigation and without integration, assistance is @ 40% of the cost of Rs. 1.00 lakh/ha. i.e. maximum Rs. 40,000/ha. for meeting the expenditure on planting material and cost of INM/IPM. In case of NE and Himalayan states, TSP areas, Andaman & Nicobar and Lakshadweep Islands, assistance is @ 50% of eligible cost.

In addition, the States of Uttar Pradesh, Andhra Pradesh and Telangana have taken the following steps to assist the mango farmers:

- Government of Uttar Pradesh is promoting paper bagging in fruit belt area under the Fruit Belt Development Scheme. Paper bags are distributed on experimental basis during the current year. From next year onwards, 1000 bags per hectare per farmer will be distributed under the Scheme. Further, trainings to adopt the bagging method

under Integrated Pest Management (IPM) programme have also been provided to the farmers in Uttar Pradesh.

- Government of Andhra Pradesh provided total assistance of Rs. 80.74 lakhs for Mango fruit covers (bagging) under Externally Aided Projects i.e. Andhra Pradesh Integrated Irrigation and Agriculture Transformation Project (APIIATP) & Andhra Pradesh Irrigation and Livelihood Improvement Project (APILIP) from the year 2019-20.
- Government of Telangana has introduced and implemented supply of fruit covers as a new component during 2022-23 under State Plan scheme of “Promotion of Horticulture Activities” for Mango on pilot basis in erstwhile Mahabubnagar district as the district was identified under “Cluster Development Programme” for Mango cluster. 50% subsidy was provided to the farmers on the total cost of Rs.13,000/- per Acre (5,000 no. of mango fruit covers) and supplied fruit covers for an area of 14 acres and provided assistance of Rs. 0.91 lakhs. For the year 2023-24, an amount of Rs.100.00 Lakhs is allocated under “Promotion of Horticulture Activities” scheme to supply fruit covers to cover an area of 1538 acres.

Annexure-1

Annexure to part (a) and (b) of the Lok Sabha Unstarred Question No.3116 due for answer on 08.08.2023 regarding Quality of Mango Varieties												
State-wise Area and Production of Mangoes from 2012-13 to 2022-23 (1 st Advance Estimates)												
State/UT	Area in '000 Ha., Production in '000 MT											
	2012-13		2013-14		2014-15		2015-16		2016-17		2017-18	
	A	P	A	P	A	P	A	P	A	P	A	P
Andhra Pradesh	489.66	4406.92	304.11	2737.01	315.42	2822.08	327.31	2803.66	336.96	4043.47	363.00	4373.61
Arunchal Pradesh							0.05	0.03				
Assam	5.39	55.27	4.49	44.59	4.59	45.69	4.62	46.15	4.66	47.15	4.68	48.44
Bihar	147.74	1363.80	149.00	1367.57	148.00	1272.00	149.14	1464.93	149.96	1472.38	153.45	1533.64
Chhattisgarh	60.15	291.83	64.35	327.91	67.12	386.67	71.52	420.61	74.17	434.32	77.03	461.73
Gujarat	141.26	1003.71	142.69	1125.61	150.05	1219.71	153.18	1241.59	161.27	1424.87	162.77	1207.78
Haryana	9.01	79.55	9.16	86.61	9.22	88.72	9.26	89.97	9.34	96.79	9.35	98.60
Himachal Pradesh	39.81	50.00	40.30	25.41	41.11	47.61	41.52	37.63	41.77	48.24	41.99	31.35
Jammu & Kashmir	12.50	23.09	12.91	6.99	12.46	20.93	12.67	23.74	12.74	24.15	12.96	30.35
Jharkhand	51.33	517.92	51.33	517.92	51.84	523.14	50.41	393.67	50.56	438.54	54.53	435.86
Karnataka	178.80	1795.10	180.53	1755.56	175.41	1646.51	181.70	1725.67	180.60	1719.73	183.23	1760.60
Kerala	74.44	441.03	74.44	441.03	44.85	252.86	70.12	382.52	70.41	388.14	83.12	439.20
Madhya Pradesh	25.18	376.00	25.43	379.73	26.71	396.00	27.89	371.48	43.42	586.24	45.52	654.79
Maharashtra	482.00	633.00	485.00	1212.50	157.77	758.84	162.08	463.17	156.84	603.83	166.76	791.36
Manipur												
Mizoram	0.75	3.47	0.78	3.68	0.89	4.18	0.87	4.18	0.89	4.18	0.91	4.19
Nagaland	0.42	3.00	0.51	3.57	0.51	3.57	0.57	3.74	0.64	4.23	0.64	4.24
Odisha	197.46	753.79	197.52	751.02	197.74	769.93	199.29	778.72	199.42	817.91	199.08	805.77
Punjab	6.66	105.92	6.74	107.57	6.75	113.44	6.74	113.50	6.75	113.69	6.90	116.52
Rajasthan	5.00	70.17	5.61	79.90	5.45	78.68	5.00	82.27	5.16	154.79	4.97	87.37
Tamil Nadu	152.43	714.08	161.58	785.50	147.48	896.78	125.98	975.11	176.42	1282.44	152.57	1234.00
Telangana			190.88	1717.88	196.44	1801.75	194.05	1778.32	111.65	482.46	115.99	1080.14
Tripura	8.38	28.85	10.56	56.28	11.18	62.56	11.75	59.06	10.64	57.03	10.33	54.93
Uttar Pradesh	274.03	4386.99	262.16	4300.98	250.74	4347.50	263.28	4512.71	264.94	4341.00	265.62	4551.83
Uttarakhand	39.85	148.64	36.96	150.44	40.70	150.62	35.91	149.73	36.42	150.14	36.48	152.71
West Bengal	92.50	735.00	93.50	430.71	95.43	799.65	96.74	693.39	99.22	736.90	103.25	918.35
Others	5.27	15.24	5.42	15.36	5.62	17.58	6.91	27.00	7.34	33.58	7.17	35.14
Total	2500.02	18002.38	2515.97	18431.33	2163.47	18526.98	2208.56	18642.53	2212.17	19506.20	2262.30	20912.49

Annexure to part (a) and (b) of the Lok Sabha Unstarred Question No.3116 due for answer on 08.08.2023 regarding Quality of Mango Varieties

State-wise Area and Production of Mangoes from 2012-13 to 2022-23 (1st Advance Estimates)

Area in '000 Ha., Production in '000 MT

State/UT	2018-19		2019-20		2020-21		2021-22		2022-23 (First Adv.Est.)	
	A	P	A	P	A	P	A	P	A	P
Andhra Pradesh	385.88	5016.46	376.49	4688.10	376.49	4517.93	393.94	4727.32	393.94	4727.32
Arunchal Pradesh										
Assam	4.70	49.13	4.78	62.34	4.80	63.18	4.83	63.63	4.83	63.63
Bihar	160.69	1597.61	160.29	1543.48	160.24	1549.97	160.24	1549.97	160.24	1549.97
Chhattisgarh	76.41	457.62	75.63	463.57	76.12	459.13	77.44	465.45	77.72	597.04
Gujarat	164.67	1207.32	166.36	1222.29	163.78	997.83	166.33	917.20	166.33	917.20
Haryana	9.56	116.45	9.62	116.60	9.68	113.42	9.65	108.77	9.78	114.18
Himachal Pradesh	42.25	43.54	42.39	31.88	42.42	51.55	42.38	39.11	42.38	45.98
Jammu & Kashmir	13.23	29.61	13.69	28.67	14.00	29.14	13.96	29.41	13.96	29.41
Jharkhand	54.70	432.63	57.16	437.37	55.40	452.70	55.93	459.38	59.28	461.79
Karnataka	182.60	1720.70	176.28	1700.97	172.79	1646.76	166.71	1620.21	176.72	1717.43
Kerala	78.15	485.68	78.55	488.07	76.57	475.22	75.84	470.04	75.04	483.13
Madhya Pradesh	46.72	667.85	52.89	747.16	56.79	798.99	60.33	842.33	61.82	860.23
Maharashtra	165.96	526.52	155.53	450.59	162.76	442.35	164.40	459.15	164.40	449.23
Manipur	0.08	0.46	0.09	0.92	0.09	0.89	0.09	0.89	0.09	0.89
Mizoram	0.91	4.19	0.96	4.27	0.96	4.27	0.96	4.27	0.96	4.27
Nagaland	0.56	3.68	0.55	3.66	0.54	3.56	0.54	3.70	0.56	3.94
Odisha	196.47	777.49	189.94	517.52	218.46	847.72	218.59	850.30	219.29	850.30
Punjab	7.01	118.46	7.01	118.78	7.99	137.28	8.90	156.20	8.90	156.20
Rajasthan	4.29	83.76	4.50	86.96	5.44	93.15	5.67	70.85	5.67	73.20
Tamil Nadu	150.95	1217.74	158.20	546.17	146.07	639.64	147.98	943.37	147.98	943.37
Telangana	123.33	1079.58	128.58	1270.36	124.20	1149.00	129.82	1165.13	120.30	979.85
Tripura	10.23	52.04	10.27	52.28	10.29	52.37	10.36	52.72	10.27	52.27
Uttar Pradesh	267.16	4578.82	275.17	4734.50	279.25	4806.65	279.31	4662.45	319.93	4578.74
Uttarakhand	36.78	154.03	36.91	156.79	36.60	150.67	36.60	150.67	36.60	150.67
West Bengal	105.30	920.33	106.59	825.83	109.52	886.17	113.90	942.99	113.90	942.99
Others	7.29	36.41	5.58	17.46	5.61	16.47	5.61	16.85	5.61	17.14
Total	2295.85	21378.09	2294.01	20316.60	2316.81	20385.99	2350.30	20772.33	2396.49	20770.34
