

GOVERNMENT OF INDIA  
MINISTRY OF FOOD PROCESSING INDUSTRIES  
**LOK SABHA**  
**UNSTARRED QUESTION NO: 2138**  
ANSWERED ON 12<sup>TH</sup> FEBRUARY, 2026

**FRUITS AND VEGETABLES PRODUCTION**

**2138. MR PATHAN YUSUF:**

Will the Minister of **FOOD PROCESSING INDUSTRIES** be pleased to state:

- (a) the details of fruits and vegetable production (in volume and value) since 2014, year-wise and category-wise;
- (b) the details of crop loss (in volume and value) in case of fruits and vegetables since 2014, year-wise and category-wise;
- (c) the details of value addition in fruits and vegetables (in volume and value) since 2014, year-wise; and
- (d) the details of the required and available cold storage capacity, pack-houses, reefer vehicles and ripening chambers?

**ANSWER**

THE MINISTER OF STATE FOR FOOD PROCESSING INDUSTRIES  
(SHRI RAVNEET SINGH)

**(a):** Year-wise details of fruits and vegetable production in the country is given at **Annexure I**.

**(b):** The Ministry of Food Processing Industries estimates post-harvest losses from time to time for various agri-produces in the country through commissioning of studies based on primary surveys. Two studies were commissioned by the Ministry through (i) Indian Council of Agriculture Research (ICAR) - Central Institute of Post-Harvest Engineering & Technology (CIPHET), 2015 with reference year 2012-14 and (ii) NABARD Consultancy Service Pvt. Ltd (NABCONS), 2022 with reference year 2020-22. The available studies on post-harvest losses are periodic in nature and do not provide year-wise estimates since 2014. Thus, as per these two studies, the estimates of post-harvest losses in the crops covered in the Fruits & Vegetables category in terms of quantity and monetary loss as reported in the reports are as below:

Fruits & Vegetables	Quantity Loss (in Lakh MT)_		Monetary Loss (in Rs. Crore)	
	As per ICAR-CIPHET Study (2015)	As per NABCONS Study (2022)	As per ICAR-CIPHET Study (2015)	As per NABCONS Study (2022)
Apple	2.36	2.16	2121.19	1941.53
Banana	25.66	25.03	5922.01	5777.01
Citrus	13.80	10.98	5463.51	4347.13
Grapes	2.90	2.40	1885.41	1562.08
Guava	7.28	6.90	2339.32	2217.05
Mango	18.67	17.39	11363.47	10581.92
Papaya	3.65	3.71	799.22	786.10
Sapota	0.78	0.80	268.65	263.13
Pineapple	-	1.08	-	303.74

Pomegranate	-	2.23	-	1533.08
Muskmelon	-	1.01	-	232.30
Cabbage	8.96	7.79	1414.18	1230.05
Cauliflower	8.82	7.28	2056.03	1696.87
Green Pea	4.36	3.76	2651.30	2288.30
Mushroom	0.23	0.17	293.10	221.90
Onion	21.85	19.34	5823.94	5156.32
Potato	41.12	33.48	7042.24	5733.84
Tomato	26.35	24.59	6344.45	5921.15
Tapioca	3.18	3.38	604.24	642.50
Bottle gourd	-	2.22	-	338.67
Brinjal	-	9.54	-	1989.50
Beans	-	1.85	-	758.95
Radish	-	2.11	-	252.13
Capsicum	-	0.29	-	105.13
Okra	-	3.89	-	1123.77

(c): To assess the value addition in various agricultural commodities, the Government has conducted two studies to determine the level of processing, viz., (i) “An Assessment of the Extent of Food Processing in Various Food Sub-Sectors” in 2014 conducted by the Institute of Economic Growth (IEG) and (ii) “Study to Determine the Level of Food Processing in India” in 2021 commissioned by the Ministry of Food Processing Industries (MoFPI) through Deloitte. The available studies on level of processing are periodic in nature and do not provide year-wise estimates since 2014. The details of the extent of processing of Fruits and Vegetables in percentage as reported in the reports are as below:

Category/ Commodity	Estimated level of processing (in %)			
	IEG Study 2014	Deloitte Study 2021		
	2010-11	2010-11	2015-16	2018-19
Fruits	2.4	1.6	2.9	4.5
Vegetables	2.2	2.1	2.2	2.7

(d): As per the study commissioned by Ministry of Food Processing Industries through M/s Academy of Management Studies (AMS), New Delhi, the estimated requirement for cold storage increased from the NCCD-estimated gap of 32.72 lakh MT in 2015 to 48.03 lakh MT in 2025 due to demand from the increasing urban population. To bridge this gap, the Ministry of Food Processing Industries (MoFPI) has been implementing a central sector umbrella scheme called “Pradhan Mantri Kisan Sampada Yojana (PMKSY)” since 2017-18 across the country. Under component schemes of PMKSY 1607 projects have been approved as on 31.12.2025. Out of these 1196 projects have been completed/operationalised under which 690 cold storages for captive use only have been supported creating a preservation capacity of 51.82 LMT/annum. Further, a total of 1541 number of reefer vehicles & insulated tankers have been supported under the Cold Chain and Operation Greens component schemes under PMKSY.

Apart from this, under Mission for Integrated Development of Horticulture (MIDH) implemented by Ministry of Agriculture and Farmers Welfare, during the last 10 years i.e. from 2014-15 to 2024-25, assistance has been provided for establishment of 43999 pack houses, 171 refrigerated vans and 943 ripening chambers and a total of 1647 cold storages have been developed with capacity of 74.67 Lakh MT.

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**ANNEXURE REFERRED TO IN PART (a) OF LOK SABHA UNSTARRED QUESTION NO. 2138 ANSWERED ON 12.02.2026 REGARDING 'FRUITS AND VEGETABLES PRODUCTION'**

<b>Production of Fruits and Vegetables from 2014-15 to 2024-25 (Third Advance Estimates)</b>			
<b>Production in '000 MT</b>			
<b>S. No.</b>	<b>Years</b>	<b>Fruits</b>	<b>Vegetables</b>
<b>1</b>	<b>2014-15</b>	86601.68	169478.23
<b>2</b>	<b>2015-16</b>	90183.04	169063.93
<b>3</b>	<b>2016-17</b>	92918.05	178172.40
<b>4</b>	<b>2017-18</b>	96447.00	184040.79
<b>5</b>	<b>2018-19</b>	97966.66	183169.61
<b>6</b>	<b>2019-20</b>	102079.85	188283.83
<b>7</b>	<b>2020-21</b>	102481.17	200445.23
<b>8</b>	<b>2021-22</b>	107507.24	209143.40
<b>9</b>	<b>2022-23</b>	110207.45	212548.44
<b>10</b>	<b>2023-24</b>	112978.02	207207.84
<b>11</b>	<b>2024-25 (Third Adv. Est.)</b>	118759.63	215683.72