

GOVERNMENT OF INDIA  
MINISTRY OF FOOD PROCESSING INDUSTRIES  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1165**  
ANSWERED ON 18<sup>TH</sup> DECEMBER, 2018

**WASTAGE OF FRUITS AND VEGETABLES**

**1165. SHRI RAMSINH RATHWA:**

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

- (a) whether the Government has any national level data on the volume of fruits and vegetables which go waste in the absence of processing infrastructure and if so, the details thereof, for the last three years, State-wise; and
- (b) whether the Government is taking any concrete steps to address the aforesaid issue and if so, the details thereof?

**ANSWER**

THE MINISTER OF STATE FOR FOOD PROCESSING INDUSTRIES  
(SADHVI NIRANJAN JYOTI)

(a): As per study, “Assessment of Quantitative Harvest and Post-Harvest Losses of Major Crops and Commodities in India” carried out by Central Institute of Post-Harvest Engineering and Technology (CIPHET), Ludhiana in 2010 and in 2015, the estimated cumulative percentages of annual harvest and post-harvest losses of fruits and vegetables are as follows:

<b>Estimated Percentage of Losses of Fruits and vegetables in India</b>	
<b>Cumulative wastage (percent)</b>	
As per report 2010 (Crop Year 2005-06)	5.8 – 18.0
As per report 2015 (Crop Year 2012-13)	4.58 - 15.88

The statement showing the region-wise and crop-wise high level of wastage is given at **Annexure**.

(b): The Ministry of Food Processing Industries (MoFPI) is implementing a Central Sector Scheme of PRDHAN MANTRI KISAN SAMPADA YOJANA (PMKSY) with an allocation of Rs. 6,000 crore for period 2016-20 co-terminus with the 14<sup>th</sup> Finance Commission cycle. PMKSY has seven component schemes viz;(i) Mega Food Parks,(ii) Integrated Cold Chain and Value Addition Infrastructure,(iii) Infrastructure for Agro-Processing Clusters, (iv) Creation of Backward and Forward Linkages, (v) Creation/Expansion of Food Processing & Preservation Capacities, (vi) Food Safety and Quality Assurance Infrastructure and (vii) Human Resources and Institutions. The PMKSY is designed to create robust modern infrastructure along the entire value chain in food processing with a view to, inter alia, reduce wastage and improve the supply position of quality food products to various locations. The farmers, Farmer Producer Organizations, entrepreneurs, cooperatives, societies, Self Help Groups, Private Companies and State PSUs etc. are eligible to avail financial assistance in the form of grants-in-aid under these schemes for setting up food processing projects in the country. Also, as announced in the budget speech of Union Budget 2018-19, MoFPI is implementing a new Central Sector Scheme for “Operation Greens” for integrated development of Tomato, Onion and Potato (TOP) crops value chain, with an outlay of Rs.500 crore to promote Farmers Producers Organizations, agri-logistics, processing facilities and professional management in addition to short term price stabilisation component to prevent crashing of prices of the TOP crops during the time of glut.

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**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF LOK SABHA UNSTARRED QUESTION NO. 1165 FOR ANSWERED ON 18.12.2018 REGARDING “WASTAGE OF FRUITS AND VEGETABLES”**

**Estimate of Harvest and Post-harvest losses in India**

Sl No. (1)	Crops/ Commodity (2)	Over all Total Loss (%) (3)	Agro Climatic Zones covered (4)	Region of High Wastage (5)	Loss in (5) (%) (6)
<b>Fruits</b>					
1.	Apple	10.39	1	Western Himalayan regions comprising of Jammu & Kashmir, Himachal Pradesh, and Uttarakhand	10.39
2.	Banana	7.76	5	Western Plateau and hills region	10.60
3.	Citrus	9.69	5	Western Plateau and hills region (Maharashtra)	12.97
4.	Grapes	8.63	2	The pattern of losses was similar in both regions.	8.47
5.	Guava	15.88	5	Eastern Plateau and hills region (Jharkhand, Chhattisgarh and Odisha)	19.48
6.	Mango	9.16	8	Middle and upper gangetic plain region (Uttar Pradesh and Bihar)	10
7.	Papaya	6.70	6	Eastern Himalayan Region (North-eastern states)	12.25
8.	Sapota	9.73	3	Western Plateau and hills region (Maharashtra)	11.98
<b>Vegetables</b>					
1.	Cabbage	9.37	8	Eastern Plateau and hills region (Part of Maharashtra, Jharkhand, Western part of West Bengal)	12.81
2.	Cauliflower	9.56	7	North Eastern states of India	11.23
3.	Green Pea	7.45	5	Middle Gangetic Plain Region	9.11
4.	Mushroom	9.51	4	Western Himalayan Region	10.20
5.	Onion	8.20	6	Western Plateau and hills region (including the main onion production region of Maharashtra)	12.72
6.	Potato	7.32	9	Uniform kind of pattern in losses of potato	7.96
7.	Tomato	12.44	8	Western plateau and hills region (Maharashtra)	18.34
8.	Tapioca	4.58	4	Assam	8.34