

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

**RAJYA SABHA**  
**UNSTARRED QUESTION NO -346**  
TO BE ANSWERED ON 09/12/2022

**ADOPTION OF INNOVATION AND TECHNOLOGY IN THE FARMING  
SECTOR**

346. SHRI VIJAY PAL SINGH TOMAR:  
SHRI AYODHYA RAMI REDDY ALLA:

Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

(a) whether Government has taken any measures to encourage use of technology and innovation and spread its awareness in farming sector and whether awareness meetings/seminar/camps are held frequently in each rural area in the country, if so, details thereof, if not, reasons therefor, State-wise;

(b) the measures taken by Government to incentivize 'Make in India' innovation in farming technology, details of grants given by Government for farming-related technology in last three years; and

(c) the details of technology currently in use and amount of subsidy given to farmers by Government for adoption of new technology, especially to small farmers?

**ANSWER**

MINISTER OF AGRICULTURE AND FARMERS WELFARE

(SHRI NARENDRA SINGH TOMAR)

(a) to (c): The use of technology and innovations by the farmers depends on various factors such as socioeconomic conditions, geographical conditions, crop grown, irrigation facilities etc. However, the Government of India supports and facilitates the State Governments through various Centrally Sponsored and Central Sector Schemes to promote agriculture throughout the country and infusing technologies into the agriculture sector. For promotion of agricultural mechanization in the country, a Centrally Sponsored Scheme 'Sub-Mission on Agricultural Mechanization' (SMAM) is being implemented through the State Governments w.e.f. 2014-15, with the major objectives of increasing the reach of farm mechanization to small and marginal farmers and to the regions where availability of farm power is low and promoting 'Custom Hiring Centres' to offset the adverse economies of scale arising due to small landholding and high cost of individual ownership. In order to make machines and equipments affordable to the farmers, financial assistance @ 40% to 50% of the cost depending on the categories of farmers, is provided under SMAM for purchase of agricultural machines. Financial assistance @ 40% of the project cost is also provided to rural youth & farmer as an entrepreneur, Cooperative Societies of Farmers, , Farmer

Producer Organizations (FPOs) and Panchayats for establishment of Custom Hiring Centres (CHCs) and Hi-tech hubs of high value agricultural machines. Financial assistance @ 80% of the project cost for the projects costing up to Rs. 10 Lakhs is provided to the Cooperative Societies, FPOs and Panchayats for setting up of village level Farm Machinery Banks (FMBs). The rate of financial assistance for the North Eastern States for establishment of FMBs is @95% of the project cost for the projects costing up to Rs. 10 lakhs. Under this scheme since 2014-15 to 2021-22, the central grants amounting to Rs. 5478 Crores have been provided to the States.

A component called “Innovation and Agri-Entrepreneurship Development” has been in operation under Rashtriya Krishi Vikas Yojana since 2018-19 with the objective of promoting innovation and agri-entrepreneurship by providing financial support and nurturing the incubation ecosystem. Under this programme, start-ups are encouraged to use innovative technologies to resolve challenges faced in agriculture and allied sectors. A total of 1055 start-ups have been selected in various areas of agriculture and allied sectors for financial assistance of Rs. 109.32 Crores in installment and Rs. 63.17 Crores have been released so far.

To encourage the use of technology and innovation and spread its awareness in the farming sector, various activities such as on-farm testing to identify location specific technologies under various farming systems, frontline demonstrations of improved agricultural technologies on the farmers’ fields, capacity building programmes, farm advisories using various Information & Communication Technologies (ICT) etc. are carried out by the Farm Machinery Training & Testing Institutes and Krishi Vigyan Kendra (KVKs). The State-wise details of such extension programmes organized by KVKs in 2021-22 are given in Annexure-I

## Annexure-I

Statement referred in reply to Rajya Sabha Un-Starred Question No. 346 due for reply on 9<sup>th</sup> December 2022.

States	No. of extension programmes organized	Total No. of Participants
A & N Islands	1453	13328
Andhra Pradesh	12901	1283923
Arunachal Pradesh	4783	49483
Assam	10349	148907
Bihar	102664	477314
Chhattisgarh	22927	657301
Delhi	455	4591
Goa	1352	13823
Gujarat	25932	589521
Haryana	11239	167773
Himachal Pradesh	10746	36613
Jammu & Kashmir	9591	52186
Jharkhand	17084	798950
Karnataka	66856	994588
Kerala	43745	248972
Ladakh	1140	17331
Lakshadweep	792	1393
Madhya Pradesh	39138	3062011
Maharashtra	18869	1110768
Manipur	20083	54865
Meghalaya	3739	51951
Mizoram	6393	37689
Nagaland	2310	23539
Odisha	31506	872962
Puducherry	1182	32801
Punjab	18581	410074
Rajasthan	19815	2857754
Sikkim	1932	30358
Tamil Nadu	26763	686853
Telangana	4992	1015653
Tripura	3727	36685
Uttar Pradesh	45157	1082197
Uttarakhand	5852	53460
West Bengal	171307	6660375
<b>Total</b>	<b>765355</b>	<b>23635992</b>

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