Written Answers to

133

1	2	
11.7	Paramparagat Krishi Vikas Yojana	
11.8	National Project on Agro-Forestry	
11.9	National Bamboo Mission	
11.10	Sub-Mission on Agriculture Extension	
11.11	Information Technology	
11.12	Sub-Mission Seeds and Planting Material	
11.13	Sub-Mission on Agricultural Mechanization	
11.14	Sub-Mission on Plant Protection and Plant Quarantine	
11.15	Integrated Scheme on Agriculture Cooperation	
11.16	Integrated Scheme on Agricultural Marketing	
12	National Food Security Mission	
12.1	National Food Security Mission-Oilseeds and Oil Palm	
12.2	National Food Security Mission- Other Crops	
12.3	Integrated Schemes on Agriculture Census and Statistics	

Technological intervention in agriculture

1291. DR. VIKAS MAHATME: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

(a) the steps taken by Government to modernize farming techniques;

(b) whether technologies like artificial intelligence, machine learning, cloud computing, block chain, etc. have become an intrinsic part of Governance, especially with Digital India scheme, if so, the technologies being deployed in the Ministry;

- (c) the details of extent of public-private participation in this regard; and
- (d) the challenges identified and the reasons therefor?

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE (SHRI NARENDRA SINGH TOMAR): (a) For promotion of technology in agriculture sector, following initiatives have been taken:

(Vac/Hostora)

- (i) The Indian Council of Agricultural Research (ICAR) has established a network of Krishi Vigyan Kendras (KVKs) in the country mandated with Technology Assessment and Demonstration for its Application and Capacity Development (TADA-CD). KVKs organize demonstrations, training programs and skill development programs for the benefit of farmers and farm women, rural youth and in-service extension personnel.
- (ii) On farm trials (OFTs) for assessing technologies and front line demonstrations (FLD) showcasing potentials on improved varieties, modern technologies and practices are conducted on farmers' fields to create awareness among farmers. To update the knowledge and skills on modern agricultural technologies, training courses on various technologies are organized.

(b) to (d) Several Schemes such as, e-NAM, Soil Health Card, m-Kisan, etc., are making use of mobile and data analytics. Weather forecast is also being sent to the farmers through SMS.

Decline in production of wheat and rice

1292. SHRI DEREK O'BRIEN: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

(a) the data for the yield of rice and wheat in the country for the current year and the past five years;

- (b) whether the yield of rice and wheat has decreased over the years; and
- (c) if so, the reasons therefor?

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE (SHRI NARENDRA SINGH TOMAR): (a) to (c) The yield of rice and wheat during last five years *i.e.* 2014-15 to 2018-19 has been increasing in the country. The All - India yield of rice and wheat for the past five years and current year are given as under:-

		(Kgs/Hectare)
Year	Rice	Wheat
1	2	3
2014-15	2391	2750
2015-16	2400	3034