

- (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

1	2	3
2016-17	2494	3200
2017-18	2576	3368
2018-19*	2659	3507
2019-20**	2552	NA

* - As per Fourth Advance Estimates.

** As per First Advance Estimates (Kharif only)

NA - Not Available.

The first comprehensive assessment of production of agricultural crops including foodgrains covering both Kharif and Rabi season for an agricultural year (July-June) is available with Second Advance Estimates, which is normally released during mid-February every year, therefore it is too early to provide assessment of All - India yield of rice and wheat for the whole agricultural year 2019-20.

Research and development of agriculture in Gujarat

†1293. SHRI NARANBHAI J. RATHWA: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

(a) whether Agriculture Research and Development Institutes are in operation for development of agriculture in Gujarat;

(b) if so, the details thereof, location-wise; and

(c) the details of the agriculture development works done by the above mentioned Research Centres and Development Institutes during the last three years?

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE (SHRI NARENDRA SINGH TOMAR): (a) and (b) Yes, Sir. The Indian Council of Agricultural Research (ICAR) has established 2 Research Institutes and 10 Regional Research Centres of various ICAR Institutes in the State of Gujarat besides 30 Krishi Vigyan Kendras (KVKs). The details are given in Statement-I (*See* below).

(c) The details of the agriculture Research and Development works done by the ICAR Institutes and KVKs during the last three years are given in Statement-II. (*See* below).

†Original notice of the question was received in Hindi.