

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURAL RESEARCH & EDUCATION

LOK SABHA
UNSTARRED QUESTION NO. 1425
TO BE ANSWERED ON 11/02/2020

DEVELOPMENT OF AGRICULTURE

1425. SHRI SADASHIV KISAN LOKHANDE:
DR. BHARATI PRAVIN PAWAR:

Will the Minister of AGRICULTURE AND FARMERS WELFARE
कृषि और किसान कल्याण मंत्री be pleased to state:

- (a) whether Agriculture Research Centres and Development Institutes are working for the development of agriculture sector in Maharashtra;
- (b) if so, the details thereof, location-wise;
- (c) whether the said agriculture research centres and development institutions have undertaken agriculture developmental works during the last three years along with the details thereof; and
- (d) the extent to which growth in agricultural sector was achieved by the said developmental works?

A N S W E R

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE
कृषि और किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) & (b): Yes, Sir. Indian Council of Agricultural Research (ICAR) has established 9 ICAR Research Institutes, 2 All India Coordinated Research Projects (AICRPs) and 49 Krishi Vigyan Kendras (KVKs), coordinated by 1 Agriculture Technology Application Research Institute (ATARI) for Research and Extension for Agriculture Sector development in Maharashtra. The details are given in **Annexure-1**.

(c) & (d): The ICAR research Institutes/Centres, AICRPs and KVKs located in the State of Maharashtra are working for improving the production and productivity of agricultural crops/ commodities in the State. High yielding varieties and technologies developed by National Agricultural Research System under ICAR, besides enabling food and nutritional security of the country have also enabled the country to become net exporter in many agricultural commodities. Demonstrated production increases following the adoption of ICAR Technologies at farmers' field in Maharashtra ranged between 6.72 to 67.65% in pulse crops; 13.80 to 39.49% in oilseed crops; 10.85 to 46.77% in cereal crops; and 10.62 to 30.44% in commercial crops during the last 3 years.

The details of the major Research and Development activities are given in **Annexure-II**.

List of ICAR Institutes, ATARIs and KVKs in Maharashtra:

| S. No. | Name of ICAR Institutes | Address |
|--|---|--|
| 1. | ICAR-Central Institute for Research on Cotton Technology | Mantunga, Mumbai-400 019 Maharashtra |
| 2. | ICAR-Central Institute for Cotton Research | Shankarnagar P.O., Nagpur-440 010 Maharashtra |
| 3. | ICAR-Central Institute of Fisheries Education | Panch Marg, Off Yari Road, Versova, Andheri (West), Mumbai-400 061 Maharashtra |
| 4. | ICAR-Directorate of Floricultural Research | College of Agriculture Campus, Shivaji Nagar, Pune-411 015 Maharashtra |
| 5. | ICAR-Directorate of Onion and Garlic Research | Pune-Nasik Highway No-50, Rajgurunagar, Pune-410 505, Maharashtra |
| 6. | ICAR-National Research Centre for Grapes | Manjri Farm Post, Solapur Road, Pune-412307, Maharashtra |
| 7. | ICAR-National Research Centre on Pomegranate | PB No.3, Manjri Farm Post, Solapur Road, Pune-412307, Maharashtra |
| 8. | ICAR-National Bureau of Soil Survey & Land Use Planning | Nagpur-440 033 Maharashtra |
| 9. | ICAR-National Institute of Abiotic Stress Management, Malegaon | Baramati-413 115, Pune, Maharashtra |
| All India Coordinated Research Projects (AICRP) & Network Projects | | |
| 10. | ICAR- AICRP on Floriculture | Directorate of Floriculture Research, College of Agriculture Campus Shivaji Nagar, Pune, Maharashtra |
| 11. | ICAR- AICRP on Onion & Garlic | Rajgurunagar, Pune-410 505, Maharashtra |
| ICAR- Agricultural Technology Application Research Institute (ATARI) | | |
| 12. | ICAR- Agricultural Technology Application Research Institute, Zone-VIII | College of Agriculture Campus, Shivaji Nagar, Pune, Maharashtra |
| Krishi Vigyan Kendras | | |
| Sl. No. | NAME & ADDRESS OF KVK | |
| 1 | Krishi Vigyan Kendra, PO. Selsura, Distt. Wardha-422 001 | |
| 2 | Krishi Vigyan Kendra, PO. Kosbad Hill, Distt. Thane-401703 | |
| 3 | Krishi Vigyan Kendra, Paithan Road, Distt. Aurangabad-431 005 | |
| 4 | Krishi Vigyan Kendra, PO.Shirgaon, Distt. Ratnagiri-415 629 | |
| 5 | Krishi Vigyan Kendra, Parola Road, Distt. Dhule-424004 | |
| 6 | Krishi Vigyan Kendra, PO. Pal, Tal. Raver, Distt. Jalgaon-425 508 | |
| 7 | Krishi Vigyan Kendra, Post Box No: 28, PO. Ambajogai, Distt. Beed-431 517 | |
| 8 | Krishi Vigyan Kendra, PO. Kalwade, Tal. Karada, Distt. Satara-415110 | |
| 9 | Krishi Vigyan Kendra, Sharda Nagar, Malegaon Colony, PO. Baramati, Distt. Pune-413115 | |
| 10 | Krishi Vigyan Kendra, PO Babbleshwar, Tal. Rahata. Distt. Ahmednagar-413 737 | |
| 11 | Krishi Vigyan Kendra, PO. Kanchanpur, Tal. Miraj, Distt. Sangli-416 306 | |
| 12 | Krishi Vigyan Kendra, Kharpudi, Post Box No: 45, Distt. Jalna-431 203 | |

| | |
|----|---|
| 13 | Krishi Vigyan Kendra, Post Box No. 2, Post Shankar Nagar, Distt. Nagpur-440 010 |
| 14 | Krishi Vigyan Kendra, Dnyanagangotri, Near Gangapur Dam, Distt. Nashik-422 222 |
| 15 | Krishi Vigyan Kendra, P.B.No. 33, Jitur Road, Distt. Parbhani-431401 |
| 16 | Krishi Vigyan Kendra, PO. Talasade, Tal.Hathkangale, Distt. Kolhapur-416 112 |
| 17 | Krishi Vigyan Kendra, PO. Jalgaon, Jamod, Distt. Buldana-443402 |
| 18 | Krishi Vigyan Kendra, Pokharni Phata Purana Road, PO. Limbgaon, Distt. Nanded-431602 |
| 19 | Krishi Vigyan Kendra, Gate No: 52/1/B, At: Khed, PO. Kegaon, Barshi Road, Distt. Solapur 413001 |
| 20 | Krishi Vigyan Kendra, PO. Risod, Loni Road, Distt. Washim-444 506 |
| 21 | Krishi Vigyan Kendra, “Chirantan” Madhuban Colony, Camp, Distt. Amaravati 444 602 |
| 22 | Krishi Vigyan Kendra, Akola, PO.Badnera (Durgapur), Amravati-444 701 |
| 23 | Krishi Vigyan Kendra, PO. Kirol, Tal. Malvan, Distt. Sindhudurg-416 616 |
| 24 | Krishi Vigyan Kendra, PO. Sindewahi, Distt. Chandrapur-441222 |
| 25 | Krishi Vigyan Kendra, PO. Sakoli, Distt. Bhandara -441802 |
| 26 | Krishi Vigyan Kendra, Tondapur, PO. Waranga, Tal. Kalamnuri, Distt. Hingoli-431 701 |
| 27 | Krishi Vigyan Kendra, At & PO. Kolde, Distt. Nandurbar-425412 |
| 28 | Krishi Vigyan Kendra, Waghapur Road, PO. & Distt. Yavatmal-445001 |
| 29 | Krishi Vigyan Kendra, Hiwara, Post Ratnara, Distt. Gondia-441614 |
| 30 | Krishi Vigyan Kendra, PO. Sonapur, Distt. Gadchiroli 442 605 |
| 31 | Krishi Vigyan Kendra, Ausa Road, PO.Tuljapur, Distt. Osmanabad-413601 |
| 32 | Krishi Vigyan Kendra, PO. KarjAt.410201, Distt. Raigarh |
| 33 | Krishi Vigyan Kendra, Chincholirao Wadi, C/o Abhinav College, MIDC, Distt. Latur-413512 |
| 34 | Krishi Vigyan Kendra, Gramonnati Mandal, Village Narayangaon, Tal.Junnar, Distt. Pune-410504 |
| 35 | Krishi Vigyan Kendra, Village Sisa (Udegaon), Taluka & District Akola |
| 36 | Krishi Vigyan Kendra, Agricultural Technical School, At Post Borgaon, Tq. & Distt. Satara |
| 37 | Krishi Vigyan Kendra, Agricultural (Oilseed) Research Station, Mamurabad Farm, Distt. Jalgaon |
| 38 | Krishi Vigyan Kendra, Agriculture Research Station, Buldhana, Distt. Buldhana |
| 39 | Krishi Vigyan Kendra, Khamgaon village, Georai taluka, Distt. Beed |
| 40 | Krishi Vigyan Kendra, Vellage Vadel, Taluka Malegaon, District Nashik |
| 41 | Krishi Vigyan Kendra, Distt.Solapur |
| 42 | Krishi Vigyan Kendra, District Aurangabad |
| 43 | KrishiVigyan Kendra, Vill. Sagroli, Taluka Biloli, Distt. Nanded |
| 44 | Krishi Vigyan Kendra, Dahigaon Village, Shevagaon, Distt. Ahmednagar |
| 45 | Krishi Vigyan Kendra, Vill. Sangvi (Railway) Tq. Darwaha, Distt. Yavatmal |
| 46 | Krishi Vigyan Kendra, Village Badnapur, Tq. Badnapur, Distt. Jalna |
| 47 | Krishi Vigyan Kendra, Village Kaneri, Karveer Taluk, Distt. Kolhapur |
| 48 | Krishi Vigyan Kendra, Village Tadsar, Tq. Kadegaon, Distt. Sangli, |
| 49 | Krishi Vigyan Kendra, Village Dudhbardi, Tq. Kalmeshwar, Distt. Nagpur |

Major Agriculture Research and Developmental Works Conducted by ICAR Research Institutes/ Establishments in Maharashtra during last Three Years include the Following.

- During last 5 years (2014 May to 2019), a total of 281 Field Crop varieties have been developed by ICAR for Maharashtra. These consist of 138 of Cereals; 45 of Oilseeds; 27 of Pulses; 34 of Forages, 31 of Fibre Crops and 6 of Sugarcane.
- The National Institute of Abiotic Stress Management (NIASM), Baramati developed technology to reclaim and convert the barren rocky lands into productive ones through introduction of field and horticultural crops suitable for harsh conditions. The technology developed by NIASM for dragon fruit cultivation is being popularized to enhance the income of marginal and resource poor farmers in the water scarcity zones of Maharashtra. The Institute has also developed a machine to manage sugarcane trash, which is being popularized in the sugarcane cultivated areas of Maharashtra.
- The National Bureau of Soil Survey & Land Use Planning (NBSS&LUP), Nagpur has developed land resource inventory of 27 aspirational districts of the country including Maharashtra. The Bureau has also undertaken land resource inventory of 500 villages of Maharashtra for agricultural development planning under Project on Climate Resilient Agriculture.
- ICAR-Central Institute for Research on Cotton Technology (CIRCOT), Mumbai is working in the field of post-harvest processing of cotton and value addition to its biomass. The institute has developed technologies for preparation of value added products from cotton stalk which is traditionally burnt in the field. The institute also conducts skill development programmes and awareness programmes in this field to benefit farmers.
- ICAR-Central Institute of Fisheries Education (CIFE), besides conducting PG & Ph.D. courses in 11 disciplines of fisheries science, also conducts training and capacity building programmes for different levels of officials from state fisheries departments and farmers. The Institute has also developed model for livelihood support of the fishermen through reservoir fisheries development extending technologies such as pen & cage culture, ornamental fish culture and value addition.
- Mumbai Research Centre of Central Marine Fisheries Research Institute (CMFRI) is addressing research related to assessment and management of marine fish resources of Maharashtra. The center works on sustainable development of marine fisheries in Maharashtra, through conservation programmes, communication on Potential Fishing Zones, warnings, advisories on jelly fish, sting ray and marine mammals. The centre had also carried out systematic Marine Fisheries Census.
- Mumbai Research Centre of Central Institute on Fisheries Technology (CIFT) is supporting fish industry on post harvest utilization of fish. Conducted survey on the craft and gears used in Maharashtra. The centre has developed energy efficient postharvest technologies. Developed nutraceutical, value added products from fish and processing wastes. The Centre is involved in providing technical consultancies & analytical services to the seafood industry and imparting training for fishermen community on various aspects harvest & post-harvest technologies.

- Fisheries Research Institutes of ICAR located at other locations such as Central Institute of Brackishwater Aquaculture (CIBA), Chennai and National Bureau of Fish Genetic Resources (NBFGR), Lucknow are also undertaking societal development work through the Mangrove Foundation in the state of Maharashtra.
- ICAR-CIBA is technically supporting farmers for coastal aquaculture and cage culture in Sindhudurg, Ratnagiri, Raigad, Thane, Palghar Districts of Maharashtra. GIS based mapping for suitable sites for brackish water aquaculture in Maharashtra coast.
- ICAR-NBFGR has been popularizing breeding and rearing of ornamental fishes as a livelihood support through extending hands-on training to the beneficiaries of coastal Maharashtra.
- During last three years, the KVKs of Maharashtra conducted 8906 On Farm Trials and 30747 Frontline Demonstrations (FLDs); trained 2.79 lakh farmers and 0.30 lakh extension personnel; produced 1876.67 tonnes quality seeds of different field crops, 86.92 lakh quality planting materials of different horticultural crops and 8.84 lakh quality live-stock strains and fingerlings; and tested 6.12 lakh soil, water, plant and manures samples. Besides, 65.26 lakh farmers participated in the various extension programmes organized by the KVKs and 80.48 lakh farmers were benefitted by the agro-advisories sent by KVKs on their mobiles.
