

Accomplishments of ATARI Pune



ICAR-Agricultural Technology Application Research Institute
Zone-VIII, Pune, Maharashtra

Accomplishments of **ATARI Pune**



ICAR-Agricultural Technology Application Research Institute
Zone-VIII, Shivajinagar, Pune (Maharashtra)



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कृषि एवं किसान कल्याण मंत्री

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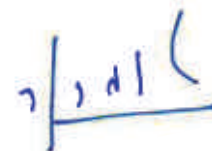
नरेन्द्र सिंह तोमर

Narendra Singh Tomar

संदेश

भारत में कृषि वैदिक काल से प्रचलित है और यह देश के सामाजिक एवं आर्थिक विकास की धुरी है। कृषि क्षेत्र आज भी भारतीय अर्थव्यवस्था का मुख्य आधार है। यह राष्ट्रीय सकल घरेलू उत्पाद में लगभग 18 प्रतिशत योगदान करता है। हमारे देश की अधिकांश आबादी अपनी आजीविका हेतु कृषि पर निर्भर है। लगभग 85 प्रतिशत कृषक परिवार लघु एवं सीमान्त वर्ग में आते हैं। अतः इन परिवारों की परिस्थितियों एवं आवश्यकताओं को ध्यान में रखकर कृषि शोध एवं कृषि प्रसार रणनीतियों पर बल देना है। भारतीय कृषि अनुसंधान परिषद् के अंतर्गत 731 कृषि विज्ञान केन्द्रों का एक मजबूत एवं अनोखा तंत्र है। कृषि विज्ञान केन्द्र जिला स्तर पर 'वन स्टॉप शॉप' के रूप में कार्य करते हैं। ये केन्द्र ज्ञान व संसाधन के रूप में अपनी पहचान रखते हैं। ये केन्द्र कृषकों की समस्याओं को ध्यान में रखकर उनकी सक्रिय भागीदारी के साथ विभिन्न प्रसार कार्यक्रम, प्रदर्शन एवं रोजगारपरक प्रशिक्षण कार्यक्रम आयोजित करते हैं। नई-नई उन्नत प्रजातियों एवं तकनीकियों का प्रथम पंक्ति प्रदर्शन व कृषक प्रक्षेत्रों पर परीक्षण करते हैं।

माननीय प्रधानमंत्री जी के आह्वान को ध्यान में रखकर कृषि विज्ञान केन्द्रों द्वारा कृषकों की आय को दोगुना करने हेतु विशेष प्रयास किया जा रहा है। आत्मनिर्भर गाँव एवं आत्मनिर्भर भारत के संकल्प को साकार करने हेतु किसान उत्पादक संगठनों (FPO) के सृजन पर बल दिया है। कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान (अटारी), पुणे अपने 82 कृषि विज्ञान केन्द्रों (महाराष्ट्र, गुजरात व गोवा) की निगरानी व समन्वयन का कार्य करता है। अटारी, पुणे ने अपनी कार्य क्षमता के अनुसार प्रभावशाली समन्वयन के पाँच वर्ष पूर्ण कर लिए हैं। इस अवधि में अटारी, पुणे ने राज्य व राष्ट्रीय स्तर पर विभिन्न गतिविधियों का आयोजन व संचालन किया है। मुझे यह जानकर प्रसन्नता है कि अटारी पुणे ने बहुत कम समय में संस्थान को स्थापित किया और स्वयं की पहचान बनाई है। अटारी, पुणे ने विगत पाँच वर्षों के दौरान हासिल मुख्य उपलब्धियों को प्रकाशित किया है। इस अवसर पर मैं निदेशक डॉ. लाखन सिंह व उनकी पूरी टीम को बधाई देता हूँ। मुझे विश्वास है कि यह प्रकाशन "Accomplishments of ATARI Pune : 5 Years Glorious Journey" सभी कृषि वैज्ञानिकों, प्रसार कार्यकर्ताओं व अन्य हितधारकों के लिए अत्यंत उपयोगी होगा।



(नरेन्द्र सिंह तोमर)

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कैलाश चौधरी
Kailash Choudhary

संदेश

कृषि भारतीय अर्थव्यवस्था का एक महत्वपूर्ण स्तम्भ है। कृषि देश को भरण-पोषण के अलावा लगभग 40% लोगों को रोजगार भी प्रदान करता है। देश को खाद्यान्न उत्पादन में आत्मनिर्भर बनाने में देश के कृषि वैज्ञानिकों, प्रसार कार्यकर्ताओं एवं किसानों की भूमिका सराहनीय है।

कृषि एवं किसान कल्याण मंत्रालय, भारत सरकार ने अपने महत्वपूर्ण कार्यक्रमों जैसे दलहन व तिलहन फसलों के कलस्टर फ्रंटलाइन डिमोन्स्ट्रेशन, पल्सेस सीड हब, किसान उत्पादक संगठन (FPO), कृषि ड्रोन परियोजना, मधुमक्खी पालन, कृषि मौसम आधारित सेवाएं, कृषि जलवायु अनुकूल तकनीकी, कौशल विकास योजना जैसे अनेक कार्यक्रम भारतीय कृषि अनुसंधान परिषद् द्वारा कृषि विज्ञान केन्द्रों के माध्यम से आयोजित किये हैं। प्राकृतिक खेती समय की माँग है, जिसमें लागत कम आती है और उपज का अधिक मूल्य भी मिलता है। कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान (अटारी), पुणे अपने 82 कृषि विज्ञान केन्द्रों (महाराष्ट्र, गुजरात व गोवा) की निगरानी व समन्वयन का कार्य करता है। अटारी, पुणे ने पाँच वर्ष पूर्व अप्रैल, 2017 में अपना कार्य आरम्भ किया था। मुझे यह जानकर प्रसन्नता हुई कि अटारी, पुणे ने विगत पाँच वर्षों की मुख्य उपलब्धियों को एक प्रकाशन के रूप में संकलित एवं प्रकाशित किया है। मुझे विश्वास है कि यह प्रकाशन कृषि वैज्ञानिकों व अन्य प्रसार कार्यकर्ताओं को लाभकारी सिद्ध होगा। मैं पुनः अटारी, पुणे की पूरी टीम को साधुवाद देता हूँ।

(कैलाश चौधरी)

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Dr. Himanshu Pathak
Secretary (DARE) &
Director General (ICAR)

Message

I am happy to learn that ICAR-ATARI, Pune has documented “*Accomplishments of ATARI Pune: 5 Years Glorious Journey*” at an opportune time of the inauguration of ATARI building by Hon'ble Union Minister of Agriculture and Farmers Welfare, Govt. of India Shri Narendra Singh Tomar on 19th January 2023 which is one of the memorable moments for ICAR and KVK family. ATARI Pune has been functioning since 3rd April, 2017. The foundation stone of administrative building was laid on 3rd August, 2019.

Since its inception in 2017, ATARI Pune has been addressing the diversified issues of agriculture for the farmers of Maharashtra, Gujarat and Goa through 82 KVKs under its jurisdiction by conducting on farm trials, front line demonstrations (FLDs), trainings and other extension activities. The technological disseminations for soil and water conservation, irrigation management, precision farming, sericulture, bamboo farming, hi-tech agriculture, improved dairy, goat and poultry farming, Integrated Farming Systems, groundnut, mango, castor, date palm and fisheries, mushroom production, women entrepreneurship etc. under diverse agro- climatic conditions and resource endowments of Maharashtra, Gujarat and Goa were carried out to help the farmers to adopt improved package of practices for higher production and income from agriculture and allied activities. The KVKs of this zone also worked with large number of FPOs, women SHGs and farmers groups and established active linkages with line departments.

The team efforts under the leadership of Dr. Lakhan Singh, first Director of ATARI, Pune deserves appreciation for their significant contribution within the available human and financial resources during past five years. I am confident that this publication “*Accomplishments of ATARI Pune: 5 Years Glorious Journey*” will served as a reference benchmark for future endeavors of this ATARI.

I wish to congratulate the Team-ATARI, Pune and all the KVKs in this Zone for their painstaking efforts in bringing out this publication.

(Himanshu Pathak)

13th January, 2023
New Delhi

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Dr. U.S. Gautam
Deputy Director General
(Agricultural Extension)

Message

At the outset, I congratulate the team of ATARI Pune for their efforts to complete successful journey of five years of its establishment and finally reach to the stage of new administrative building inauguration which is being held today on 19th January, 2023. It is a matter of privilege that ATARI Pune is bringing out publication entitled “**Accomplishments of ATARI Pune: 5 Years Glorious Journey**” on this auspicious occasion. ATARI Pune is one of the important zones in the country with highest number of 82 KVKs spread in three states namely Maharashtra, Gujarat and Goa. After establishment of this ATARI in 2017, it was very challenging task for first Director to keep the performance of zone with very limited manpower and physical and financial support.

In spite of many challenges, KVKs in this zone has shown very outstanding performance under dynamic leadership of founder Director Dr. Lakhan Singh by addressing important thrust areas of Maharashtra, Gujarat and Goa like managing drought situation and dry spells particularly in Maharashtra, heavy and unseasonal rains, management of Lumpy Skin Disease in animals, issuing real time weather based advisories and extension services to the farmers, farm women, rural youth and extension functionaries by developing very strong and functional linkages with ICAR institutes, SAUs and line departments in respective districts.

Innovative extension models developed in this zone like Krishi Vigyan Mandal, Farmers Scientist Interaction Forum, Shetkari Savidha Kendra, QR code-based information sharing, etc are examples replicable for entire country. Discipline wise capacity building programmes for KVK scientists, farm innovators meet, empowering KVK heads by organizing special technical sessions on KVK related technologies in Annual Zonal Workshops are new initiatives of ATARI Pune which deserves appreciation.

Considering diversified climatic situations, cropping systems, animal and marine resources, ATARI Pune in future need to focus to utilize these resources very effectively by application of relevant and latest technologies developed by SAUs and ICAR Institutes in the zone. KVKs should reach to maximum farmers in the jurisdiction by using various tools and platforms of information technology like internet, YouTube, facebook, Twitter, etc.

I congratulate Dr. Lakhan Singh, Director, ICAR-ATARI Pune and his team for bringing out wonderful publication reflecting “*Five Years Glorious Journey of ATARI Pune*” on this important occasion of new ATARI building inauguration. I am sure that the publication will be useful for ATARI staff, KVK scientists, heads of host organizations and other related stakeholders to develop roadmap of KVKs in future and will be used as reference document by future generation of KVK family. I wish all the success for future journey of ATARI, Pune.



(U.S. Gautam)



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Dr. Ashok Kumar Singh
Vice-Chancellor

Message

I am happy to know that ICAR-ATARI, Pune has completed five years of its journey catering technological needs of farmers of Maharashtra, Gujarat and Goa through its network of 82 KVKs. It is quite apt that ATARI Pune is bringing out a publication entitled "Accomplishments of ATARI Pune: 5 Years Glorious Journey" on the occasion of inauguration of new ATARI administrative building on 19th January, 2023. I heartily congratulate ATARI team for the accomplishments made during this journey.

I have closely witnessed the creation and growth of ATARI Pune. There were number of challenges including finalization of site, creation of infrastructure and required number of positions. I am extremely happy to find that everything is in place today and the farmers are getting full advantage of the KVK system in the zone.

All this has happened because of commitment and leadership of Dr. Lakhan Singh Founder Director of ATARI Pune and with the support of ATARI team and ICAR. The foundation stone of administrative building was laid down on 3rd August, 2019 by Hon'ble Director General, ICAR and now the building is being inaugurated.

ATARI Pune has unique feature of having highest number of NGO-KVKs who are working with great commitment and showing a successful public-private partnership model.

With the support of 8 agricultural universities, one veterinary university and 10 ICAR Institutes, this Zone has achieved many accomplishments and deserves appreciation for its visibility at state and national level. ATARI Pune in spite of limitations successfully addressed the technological needs the KVKs in this Zone under the guidance of ATARI Pune mainly focused on

issues like watershed management, soil and water conservation, IFS, nutritional security through nutri-smart villages and crop diversification with sericulture, bamboo, horticulture, etc. Also number of flagship programmes like Doubling Framers Income, NICRA, ARYA, NARI, KSHAMTA, etc are implemented successfully apart from KVK mandatory programmes.

I take the opportunity to congratulate Dr. Lakhan Singh and his team for bringing out a useful publication on accomplishments and completing construction of administrative building.

I wish KVKs continue to gain strength and support to serve the farmers in better way.



(A.K. Singh)

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Dr. Lakhan Singh
Director

Preface

After announcement of Hon'ble Union Minister of Agriculture to establish three new ATARIs and reorganization of jurisdiction of ATARIs in terms of inclusion of states for better monitoring of KVKs in 9th National Conference on KVKs at Patna, Bihar in 2015, ICAR-ATARI, Pune was established and started its functioning on 3rd April, 2017 bifurcating Maharashtra, Gujarat and Goa from earlier ATARI Hyderabad, Jodhpur and Bengaluru respectively. ATARI, Pune started its working very smoothly from first day of establishment with minimum resources and manpower support without any hurdle. ATARI, Pune has very huge network of 82 KVKs in Maharashtra, Gujarat and Goa having highest number of KVKs with NGOs followed by SAUs, ICAR Institutes and others.

The foundation stone of ATARI, Pune was laid on 3rd August, 2019 and it is a matter of proud for all of us that new administrative building of ATARI, Pune is being inaugurated today by Hon'ble Union Minister of Agriculture and Farmers Welfare and I am fortunate to be witness of this important event along with many dignitaries from ministry and ICAR, Vice Chancellors, Directors of ICAR institutes, heads of line departments, chairmen of host institutes and heads of all KVKs in the Zone.

ATARI Pune in very short span of time created its visibility and vibrancy at national level by focusing on important thrust areas like soil and water conservation, climate resilient technologies, protected cultivation, high tech horticulture, digital agriculture, crop diversification, nutri-smart villages, women empowerment, strengthening of FPOs and SHGs, natural farming, drone technologies, IFS models, doubling farmers income, integrated pest and disease management, improving soil health, micro irrigation and water management, disease and pest management, boosting up yield and productivity of oilseeds, pulses millets, processing value addition, livestock management, dairy, poultry, goat and fisheries etc.

ATARI Pune focused its intention towards strengthening of KVK staff and many capacity building workshops and trainings were organized for various disciplines like home science, horticulture, agricultural extension etc. During last five and half years, ATARI Pune has facilitated to host organizations to fill up about 125 new posts and screened more than 10000 applications. As a Director of ATARI participated in maximum SAC meetings, selection committee meetings and special programmes. Five new KVKs are established in this ATARI Zone during this period making total number of KVKs to 82. ATARI Pune implemented many

sponsored projects/programs like NICRA, ARYA, Farmer FIRST, NARI, DAMU, FSN, DFI, KSHAMTA, JSA joint research projects like Pink Bollworm Management etc. very effectively. Many KVKs and farmers get awarded at ICAR, national and state level, due to which ATARI Pune always stand visible and vibrant at national level.

To highlight the major achievements of ATARI during last five years, efforts are taken to bring out publication entitled “Five Years Glorious Journey of ATARI Pune” which is being released today in presence of Hon'ble Union Minister of Agriculture and Farmers Welfare and other dignitaries on dais. I am sure the publication will be very valuable and useful for various stakeholders related to KVKs.

On this important occasion and milestone of ATARI Pune, I would like to acknowledge Ministry of Agriculture and Farmers Welfare, Secretary (DARE) & Director General, ICAR, DDG (Agril. Extension), ADGs, Vice Chancellors of SAUs, Chairmen of NGOs and other host organizations, Directors of ICAR institutes, Director of Extension Education of SAUs, Principal Scientists/Officials of ICAR headquarters without whose kind support it was not possible to reach to this stage. I extend my sincere thank to all Heads of KVKs and associated scientists who helped ATARI without any hesitation and worked round the clock with full commitment and devotion beyond office time and holidays.

Thanks are also due to active and positive support of Vice Chancellor, MPKV, Rahuri and Associate Dean, College of Horticulture, Pune for providing space for office and physical facilities for successful working of ATARI. I acknowledge the Directors of ATARI Hyderabad, ATARI Bangaluru and ATARI Jodhpur for their support in initial days after bifurcation of the ATARIs. I should also thank to Directors of ATARI Bengaluru, DFR Pune, NRCG Pune, DOGR Pune and NRCP Solapur for their cooperation by providing manpower support in initial period.

At the last, but not least the support of all ATARI staff from Scientists, SRFs and supporting staff working in past and present is hereby acknowledged. I hope this publication will be useful for ATARI office and officials working in KVK system.

Thanks everyone for their support for this achievement. I hope the ATARI Pune will touch the greater heights in future.



(Lakhan Singh)

Beginning of ATARI Pune

- ◆ ICAR-ATARI, Zone VIII, Pune started functioning on 3rd April, 2017.
- ◆ ATARI Pune started working in old Department of Agricultural Extension, College of Agriculture Campus of MPKV at Pune.
- ◆ Due to Metro Station, the office was shifted to the College of Horticulture, Shivajinagar, Pune in 2019.
- ◆ Land acquired in 2018.



शेतकऱ्यांचे उत्पन्न दुप्पट करण्याचा प्रयत्न 'अटारी'चे संचालक डॉ. लाखनसिंग यांची माहिती

पारदर्शकता, या. ५ : कृषी विज्ञान केंद्राच्या माध्यमातून देशात सुरू असलेले कृषी विस्ताराचे कार्य अधिक प्रभावीपणे राबवण्यासाठी पुणे येथील कृषी विज्ञान केंद्रात केंद्र संचालकाचे कार्यालय (अटारी) हे क्षेत्रीय कार्यालय सुरू करण्यात आले आहे. या केंद्राच्या माध्यमातून २०२२ पर्यंत शेतकऱ्यांचे उत्पन्न दुप्पट करण्याचा प्रयत्न केला जाणार आहे, अशी माहिती कार्यालयाचे संचालक डॉ. लाखनसिंग यांनी दिली.

कार्यालयाचा संचालक त्यांनी योग्यरीत्या स्वीकारून, कामिलेने हेराबंद संपन्न अटारीचे संचालक डॉ.



पुणे : कृषी विज्ञान केंद्रातील कृषी संशोधन अकादमीचे संचालक डॉ. लाखनसिंग (डावीकडून दुसरे) यांनी स्वीकारून, या येथील त्यांचा संचालक डॉ. लाखनसिंग.

याच. डॉ. प्रकाश यांच्या हस्ते त्यांचा संचालक करण्यात आला. या वेळी

कार्यालयाचे कृषी विज्ञान केंद्राचे प्रमुख व बॉडी संचालक डॉ. पी. ए. राजगुरू,

संचालक डॉ. प्रकाश यांनी, या सुरुवातीला आचे उपस्थित होते.

या वेळी डॉ. लाखनसिंग म्हणाले, "हे क्षेत्रीय कार्यालय घडायचे, मुलाखत, योग्य वा सन्मानीत कृषी विज्ञान केंद्राच्या कार्याचे विस्तार देण्यात आले. देशात घडायचे व मुलाखत सुरू कृषी क्षेत्रात आधुनिक असेल, या सन्मानीत कृषी विस्ताराचे कार्य अधिक प्रभावीपणे करण्यासाठी पुणे क्षेत्रीय कार्यालयाचे उपस्थित होणार आहे. केंद्राचे संशोधन व प्रत्येकीक, अधिकांश पायाभूत सुविधा सन्मानीत शेतकऱ्यांचे क्षेत्रीय कार्यालयाचा मातल प्रयत्न घडायचे आहे." सुरुवातीला डॉ. पाटील यांनी केले. अखेर डॉ. राजगुरू यांनी मानले.

Foundation Stone

- ◆ Site option was changed with the permission from the ICAR, New Delhi on 21.09.2017.
- ◆ Contract for construction of administrative building was given to the CPWD, Pune on 20.09.2018.
- ◆ Delineating the site for construction of administrative building of ATARI Pune was done with the help of Vice Chancellor, MPKV, Rahuri and DDG (Agril Extension), ICAR, New Delhi on 25.5.2019.
- ◆ Foundation stone of Administrative Building of ATARI laid by Dr. Trilochan Mohapatra, Secretary (DARE) & Director General (ICAR), New Delhi on 3rd August, 2019.



▶
*Foundation
Stone laid
by DG, ICAR*



Bhumi Poojan



Construction of Administrative Building



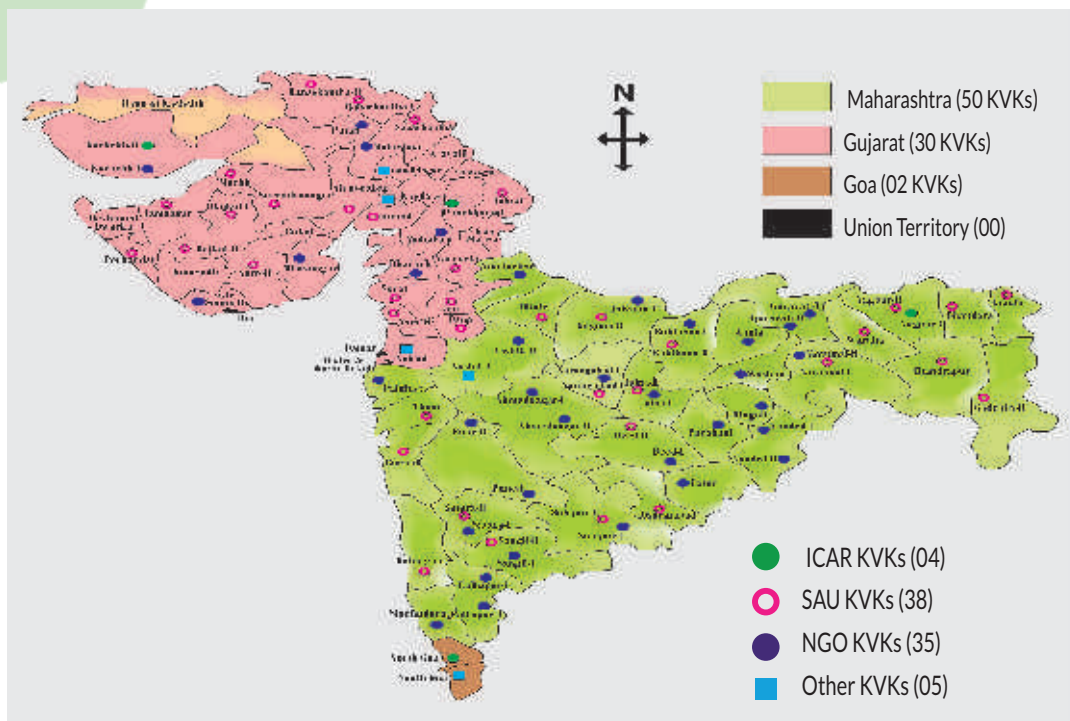
ATARI Pune Worked with Scanty Staff

- ◆ Since inception, ATARI worked without any regular staff except Director (till November 2019).
- ◆ Two scientists joined in December 2019 and got transferred on administrative ground in January 2021.
- ◆ The position of AAO was shared by ATARI, Bengaluru & NRCP, Solapur and AF&AO by DFR, Pune; DOGR, Pune and NRCP, Pune.
- ◆ Service of Scientist (Agril Extension) was shared initially from ATARI, Bengaluru.
- ◆ Two scientists have joined the ATARI, Pune in October 2021.
- ◆ One AAO has joined the ATARI, Pune on 5.4.2022 on deputation basis.



KVK Network in the Zone

Network of KVKs in ICAR-ATARI, Pune



Additional KVKs in Larger Districts of the Zone

In Maharashtra: 16 districts (Amaravati, Ahmednagar, Pune, Nashik, Aurangabad, Buldhana, Nanded, Beed, Yavatmal, Solapur, Jalgaon, Satara, Jalna, Kolhapur, Sangli and Nagpur) having two KVKs in the district.

In Gujarat: 3 districts (Banaskantha, Kutchh and Rajkot).

1 KVK (Thane in Maharashtra established in 2021)

Host Organization wise KVKs in the Zone

States	Host Organizations						Total
	SAUs	NGOs	ICAR	DUs	OUs	SDA	
Maharashtra	20	28	01	-	01	00	50
Gujarat	18	07	02	03	-	00	30
Goa	-	-	01	-	-	01	02
Total	38	35	04	03	01	01	82

New Establishment of KVKs

5 New KVKs (Kolhapur-II, Jalna-II, Nagpur-II, Sangli-II and Thane) established. Site Selection Committee visited Silvassa.

Name of KVK established	State	Year	New/Additional KVK	Host Organization
KVK, Kolhapur-II	Maharashtra	2018	Additional	Shri Siddhagiri Math, Kaneri, Kolhapur
KVK, Jalna-II	Maharashtra	2018	Additional	VNMKV Parbhani
KVK, Nagpur-II	Maharashtra	2019	Additional	MAFSU Nagpur
KVK, Sangli-II	Maharashtra	2019	Additional	MAFSU Nagpur
KVK, Thane	Maharashtra	2021	New	MAFSU Nagpur
KVK, Silvassa	Dadra & Nagar Haveli	2019	Site Selection Committee visited the site and report submitted to the Council. MoU to be signed.	Dept. of Agriculture, Dadra & Nagar Haveli

Administrative office building/farmers hostels constructed at 9 KVKs.





Recruitment of Vacant Posts at NGO-KVKs

- ◆ 125 vacant posts filled up at NGO-KVKs and 9631 applications scrutinized at ATARI level
- ◆ Contractual positions (27) recruited at ATARI. 470 applications scrutinized.
- ◆ Advertised the ministerial positions on deputation basis. For AAO, DPC conducted. AAO joined the ATARI on 05.04.2022.
- ◆ E-Office fully functional at ATARI Pune.
- ◆ ATARI Website developed with support of Program Assistant (Computer), KVK Satara-II. (<https://ataripune.icar.gov.in/>)



भा.कृ.अनु.प.-कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान, जोन VIII, पुणे
ICAR- Agricultural Technology Application Research Institute, Zone VIII, Pune

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Human Resource Development RTI Contact Us

Major Accomplishments

Achievements under Mandated Activities

Programmes	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
OFT (No of Technologies)	5230	5525	5447	4838	8665	4415
FLDs (No.)	20728	19694	19768	21250	20284	20451
Training of Farmers (No. in lakh)	1.43	1.70	2.83	1.95	1.72	1.83
Training of Extension Personnel (No.)	14691	17556	23013	17301	13439	17779
Participation in extension activities (in lakh)	201.49	68.54	127.45	17.48	72.67	17.01
Production of Seeds (in tonnes)	332.07	83.23	562.01	613.83	1071.70	1045.17
Planting Material (in lakh)	19.46	27.95	62.72	22.39	54.23	70.70
Livestock Strains/Fingerlings (in lakh)	0.82	16.24	11.55	22.11	9.20	36.27
Kisan Mobile Advisory (Farmers in lakh)	54.06	72.58	57.77	37.34	29.97	36.43
Soil and Water Testing (Samples in lakh)	2.15	2.17	1.04	0.67	0.51	0.57

- ◆ Facilitated and guided 82 KVKs and conducted 34120 OFTs; 1.22 lakh FLDs
- ◆ 11.45 lakh farmers trained; 1.05 lakh extension workers trained
- ◆ 504.624 lakh farmers attended extension activities
- ◆ 3708.01 tonnes seeds produced
- ◆ 257.44 lakh planting materials produced
- ◆ 96.19 lakh fingerlings
- ◆ 180.96 lakh farmers benefitted by mobile advisories
- ◆ 7.11 lakh soil samples tested during 2017-2022





- ◆ **Scientific Beekeeping** (10 KVKs- 34 trainings benefitted 1155 participants), 255 skill development training with 5300 trainees, Skill Development through ASCI.
- ◆ **ARYA** (7977 rural youth trained & 843 entrepreneurial units established).
- ◆ **Farmer FIRST** (6550 farmers in 9 villages); **NICRA** (37708 demonstrations, 25860 farmers trained); **MGMG** (3.35 lakh farmers in 949 villages).
- ◆ **CFLD on Pulses** (conducted 46571 demos on 17816 ha in 70 KVKs); **CFLD on Oilseeds** (35572 demonstrations on 14192 ha); **Tribal Sub Plan** (implemented in 11 KVKs); **Pulses Seed Hub** (produced 33206.86 q seeds).
- ◆ **34 DAMU-KVKs** to disseminate Agromet Advisory Services.
- ◆ **Kisan Sarthi Portal** (8.35 lakh farmers and 387 experts registered).
- ◆ Registered cluster based 10 FPOs with support of NCDC.
- ◆ 36 Nutri Smart Villages.



Cluster Frontline Demonstrations (CFLD)

Cluster Frontline Demonstrations on Pulses

Year	Area (ha)	Number of Demonstrations
2017-18	3597	9382
2018-19	3667	9765
2019-20	3233	8617
2020-21	2431	6457
2021-22	2296	5740
2022-23	2592	6610

➤ A total of 46571 demonstrations on major pulse crops were conducted covering 17816 ha in Maharashtra and Gujarat during 2017 to 2022.



Cluster Frontline Demonstrations on Oilseeds

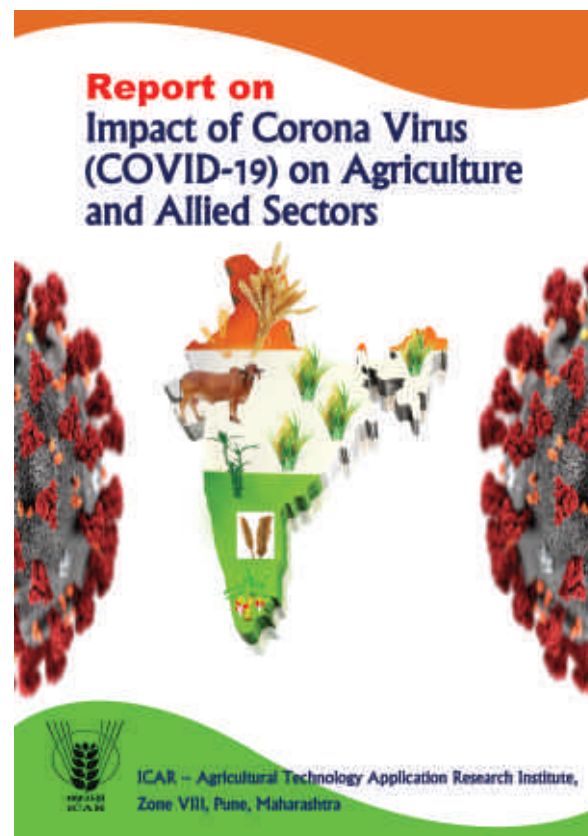
Year	Area (ha)	Number of Demonstrations
2017-18	3385	8247
2018-19	2570	6592
2019-20	1702	4641
2020-21	2096	5085
2021-22	1954	4885
2022-23	2484	6122

➤ A total of 35572 demonstrations on major oilseed crops were conducted covering 14191.74 ha in Maharashtra and Gujarat during 2017 to 2022.



Work During COVID-19

- ◆ Mobile based district and state specific agro-advisory developed in regional languages.
- ◆ State Specific Agro-advisory in regional language was developed and uploaded on ICAR, ATARI and KVK websites
- ◆ 1.86 lakh downloads were recorded through whats app for knowledge sharing.
- ◆ 24 best practices followed by innovative farmers documented. 11 best cases printed in E-Book on State Specific Advisories published by the ICAR.
- ◆ Three sensitization workshops on new farm bills organized.
- ◆ Report on Impact of Corona Virus (COVID-19) on Agriculture and Allied Sectors based on scientific study in 2020 published. Data were collected from 1748 respondents including Heads and Subject Matter Specialists (SMSs) of KVKs of 11 ATARIs through Google form on 06 dimensions such as, livestock sector, horticulture sector, food sector, agricultural laborers, social media and psychological dimension.

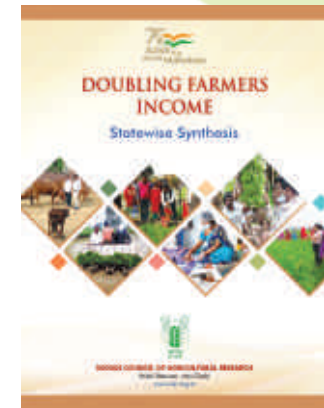


Doubling Farmers' Income

- ◆ 78 KVKs in the states of Maharashtra (47), Gujarat (30) and Goa (1) worked for enhancing farmers' income.
- ◆ 8504 DFI cases were documented by 78 KVKs and included in the publication 'Doubling Farmers Income: Statewise Synthesis' published by ICAR, New Delhi.

Maharashtra

- ◆ The average income of 5154 farm households in Maharashtra increased 2.9 times between 2016-17 (Rs. 1.71 lakh) and 2020-21 (Rs. 5.05 lakh).
- ◆ The share of enterprises in household income increased 5.4 times, livestock 3.3 times and horticulture 2.8 times.
- ◆ The income of the landless families increased 2.7 times, marginal and small farm households by 2.8 and 2.7 times, respectively. Medium and large farm households income increased by 2.8 and 3.3 times, respectively.





Gujarat

- ◆ The average income of 3239 farm households in Gujarat increased 2.6 times between 2016-17 (Rs. 1.67 lakh) and 2020-21 (Rs. 4.30 lakh).
- ◆ The share of enterprises in household income raised 4.7 times, livestock 2.4 times and horticulture 3.1 times.
- ◆ Landless families' income increased 2.6 times, marginal and small farm households' by 2.3 and 2.4 times, respectively. The medium and large farm households realized 2.4 and 2.9 times income increased, respectively.



Goa

- ◆ The average income of 111 households in Goa almost tripled from 2016-17 (Rs. 1.4 lakh) to 2020-21 (Rs. 4.16 lakh).
- ◆ Farm and nonfarm enterprises contributed 3.17% in net income during 2020-21.
- ◆ Livestock income increased 10.77 times, whereas horticulture experienced a 2.5 times increase in its contribution to household income.
- ◆ Landless farmers income increased by 4 times followed by 3.8 and 3.6 times increase in marginal and medium farm households respectively. Small and large farm households realized lowest increase of 2.8 times in the income.



Natural Farming

- ◆ Natural Farming is considered as agroecology based diversified farming system which integrates crops, trees and livestock with functional biodiversity.
- ◆ It is chemical free agriculture, cost effective, risk free, provides healthy foods for people and support for sustainable agriculture.
- ◆ Focus on Natural Farming through project 'Out-scaling of Natural Farming through Krishi Vigyan Kendras'
- ◆ 48 KVKs involving 30 KVKs in Gujarat, 17 in Maharashtra & 1 KVK in Goa covered under the Natural Farming project.
- ◆ Total budget of Rs 213.78 lakh earmarked during 2022-23.
- ◆ 209 Awareness programs, 55 exhibitions/gosthies, 333 training courses are being organized.
- ◆ 60 Demonstration Units at KVKs developed for orientation and exposure to the farmers and other stakeholders.
- ◆ 37 Extension literatures developed and provided to the farmers and other stakeholders.
- ◆ Workshop on Natural farming planned to organise on 19.01.2023 at zonal level.





सशक्त राष्ट्रासाठी नैसर्गिक शेतीवर लक्ष केंद्रित करा

गुजरातचे राज्यपाल
आचार्य देवव्रत

अॅप्रोवन वृत्तसेवा



औरंगाबाद :
दख्खन विभाग,
बीजामुतावारे
बीजप्रक्रिया,
जमिनीसाठी
जिवामुतावा

बापर,
जमिनीचे आच्छादन आणि एकाच वेळी
अनेक पिकांचा अवलंब हे नैसर्गिक शेतीचे
मूळ सिद्धांत आहे. त्यामुळे सशक्त राष्ट्रासाठी
कृषी शास्त्रज्ञांनी नैसर्गिक शेतीवर लक्ष केंद्रित
करावे, अशी सूचना गुजरातचे राज्यपाल
आचार्य देवव्रत यांनी केली.

भारतीय कृषी अनुसंधान परिषदेअंतर्गत
कृषी प्रौद्योगिकी अनुप्रयोग अनुसंधान
संस्थान, पुणे यांच्या वतीने गुजरात, महाराष्ट्र
आणि गोवा या तीन राज्यांतील कृषी विज्ञान
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मुंबयारी (ता.१०) आयोजित केलेल्या
कार्यशाळेत प्रमुख अतिथी म्हणून ते

नैसर्गिक शेती करणे काळाची गरज

कुलगुरू डॉ. पटेल म्हणाले, "निरोगी शरीरासाठी व मन:स्वास्थ्यासाठी नैसर्गिक
शेती करणे काळाची गरज आहे. विवेकपूर्ण चुद्धीने शेतीमध्ये नैसर्गिक स्रोतांचा
वापर करावा." प्रारंभी अटारीचे संचालक डॉ. लाखनसिंग यांनी उपस्थितांचे स्वागत
केले. सूत्रसंचालन अटारीचे शास्त्रज्ञ डॉ. तुषार अटारे यांनी तर आपार नवसारी कृषी
विद्यापीठाचे संचालक विस्तार शिक्षण डॉ. सी. के. तिंबडिया यांनी मानले. कार्यक्रमास
गुजरात, महाराष्ट्र आणि गोवा या तीन राज्यांतील कृषी विज्ञान केद्रांचे प्रमुख, संबंधित
शास्त्रज्ञ, गुजरातच्या कृषी व सहकारी विभागाचे अधिकारी, कृषी विद्यापीठातील
शास्त्रज्ञ यांच्यासह २०० पेक्षा जास्त अधिकाऱ्यांची उपस्थिती होती.

बोलत होते. गुजरातचे सहकार तथा खादी
उद्योग राज्यमंत्री जगदीशभाई विप्रकर्मा
पांचाल, भारतीय कृषी अनुसंधान परिषदेचे
उपमहासंचालक (कृषी विस्तार) डॉ. ए. के.
सिंग, नवसारी कृषी विद्यापीठाचे कुलगुरू
डॉ. जेड. पी. पटेल, अटारी पुणेचे संचालक
डॉ. लाखनसिंग, नवसारी कृषी विद्यापीठाचे
संचालक विस्तार शिक्षण डॉ. सी. के.
तिंबडिया यांची प्रमुख उपस्थिती होती.
राज्यपाल म्हणाले, "रासायनिक

खातांच्या आणि फीटकनाशकांच्या सततच्या
वापरामुळे जमीन विषारी बनत आहे.
पर्यावरणाचे मोठ्या प्रमाणात प्रदूषण होत
आहे. जागतिक तापमानवाढ हे संपूर्ण जगापुढे
फार मोठे आव्हान आहे. भारत दर वर्षी १
लाख ४० हजार कोटी रुपयांची रासायनिक
खते व औषधे परदेशातून आयात करतो.
रासायनिक खातांच्या आणि औषधांच्या
वापरामुळे कॅन्सर सरुख्या असाध्य रोगांचे
प्रमाण मोठ्या प्रमाणात वाढले आहे."



Use of Drone Technology

- ◆ During "Drone Kisan Yatra" on 19th February 2022, Hon'ble Prime Minister Shri Narendra Modi flagged off 100 'Kisan Drones' in different parts of the country.
- ◆ The Union Minister of Agriculture and Farmers Welfare, Shri Narendra Singh Tomar said that the government is promoting the use of "Kisan Drone" for crop assessment, digitization of land records, spraying of pesticides and nutrients for which provision has also been made in the Union Budget.
- ◆ ICAR, New Delhi launched 'Agri-Drone Project' covering 200 centers (75 ICAR institutes, 25 SAUs and 100 KVKs) by providing 300 Drones for promoting the use of drone technology.
- ◆ Under ATARI Pune, 40 Drones have been sanctioned to 10 KVKs, 6 SAUs and 12 ICAR institutes. Purchasing of Drones is under process.
- ◆ KVKs and SAUs are given 1 Drone each, whereas ICAR institutes are allotted 2 Drones each.
- ◆ Each Drone has to cover 250 ha area under demonstrations.



Promoting Millets

- Organized Exhibition at Triennial Conference on Millets in Sangli, Maharashtra. More than 500 farmers, rural youths, researchers and other stakeholders visited the exhibition and got benefitted about millets.
- Big Technology Cafeteria on Minor millets was organized by KVK Baramati during "KRUSHIK- Agri Technology Week" from 9th to 13th February, 2022 which was inaugurated by Shri Dada Bhuse, Agriculture Minister, Govt. of Maharashtra; Shri Sharad Pawar, Ex Agriculture Minister, Govt. of India; MPs, MLAs and other dignitaries. Latest cultivars of nine minor millets demonstrated. More than 90,000 farmers and other stakeholders visited the millets cafeteria.
- Webinar on promoting millets through FPOs was organized by KVK Jalna-I in collaboration with IIMR, Hyderabad in 2022. Many rural youths and extension functionaries joined the programme.



भरडधान्य पिकांचा प्रचार प्रसार आवश्यक- डॉ. लाखन सिंग

जालना (प्रतिनिधी) : भरडधान्य पिकांचा प्रचार प्रसार करणे आवश्यक असल्याचे या पूर्वे पेशील महाराष्ट्र, गुजरात आणि गोवा या तीन राज्यातील कृषि विज्ञान केंद्रांचे सन्मन्थक असलेल्या आचरीएआर- कृषि संवर्धन अनुप्रयोग अनुसंधान संस्था (अटारी) चे संचालक डॉ. लाखन सिंग यांनी जालना जिल्हातील महिला जेजुरी, ग्रामीण युवक व प्रक्रिया उद्योजकांसाठी आयोजित केलेल्या या दिवसीय अंतर्गत प्रशिक्षण कार्यक्रमाचे प्रमुख अतिथी व उद्घाटन म्हणून ते बोलत होते. या प्रसंगी अरंगाबादच्या राष्ट्रीय कृषि संशोधन प्रकल्पाचे सहयोगी संचालक संतोष डा. एस. वी. पवार, साबाईचे जिल्हा व्यवस्थापक नेमल क्षीरसाग, कृषि विज्ञान केंद्राचे वरिष्ठ शास्त्रज्ञ व प्रमुख डॉ. एस. वी. सोनुने, केबीकेल्पा युव विज्ञान सदन संगीता कऱ्हाळे यांची प्रमुख उपस्थिती होती. डॉ. लाखन सिंग पुढे बोलताना म्हणाले की, भरड धान्य पिकांना भारत सरकार आणि आचरीएआर इतरांमार्फत खूप मोठे महत्त्व प्राप्त झाले असून या पिकांचे आरोग्य विमर्शक महत्त्व वाढता चालू आहे. भरड धान्य पिकांचा योजने (न्यू दि मिशिलरस) असे संशोधनयोजना चालू आहे. सरासरीउत्पादन जाडी, जाडी, रसता, भंग, वाघणी ही पीकक गुणधर्मांचे मोठ्या प्रमाणात येतली जातात. जिके बदलत्या हवामानास युरक अस्तुन यांच्या प्रक्रिया या त गुणधर्मांनातुन मोठ्या प्रमाणात रोजगार निर्मिती होऊ शकते. त्यासाठी कृषि विज्ञान केंद्रांनी प्रचलन कार्यात असेही ते म्हणाले. डॉ. एस. वी. पवार यांनी सांगितले की काळानुसार भरड धान्याच्यातील क्षेत्र हे जवळपास यजान उद्योजकांनी कधी झाले आहे. तथापि अरोग्याच्या दृष्टीने या पिकांचे महत्त्व कायम आहे. यमंतराव नाईक बाराडभाडा कृषि विद्यापीठाने जाडीचा परधनी शक्ती आणि जाडीचा एएन- १२०० हा लोह आणि जस्त या घटकानी समृद्ध असे याम विकसित केले असून अंतःकाल्यांनी त्याचा त्याच यथावा असे ते सांगाले. साबाईचे जिल्हा व्यवस्थापक नेमल क्षीरसाग यांनी आपले मनोगत व्यक्त करताना भरडधान्य पिकांना 'मिक्तल संन्स' अशी उपया दितली. जिल्हातील जवळ गटतील महिला व युवकांनी या धान्याकडे उद्योजकांचे साधन म्हणून घ्यावे असे ते म्हणाले. कार्यक्रमाचे स्वागत व प्रास्ताविक कृषि विज्ञान केंद्राचे प्रमुख डॉ. एस. वी. सोनुने यांनी केले तर युवसंचालन व आभार प्रदर्शन संगीता कऱ्हाळे यांनी केले. या प्रशिक्षण कार्यक्रमात जिल्हा व तहसिल्या विविध भारतातून मोठ्या संख्येने प्रतिक्षणाची सर्जिन झाले असून हा कार्यक्रम पुढील या दिवस चालणार आहे.



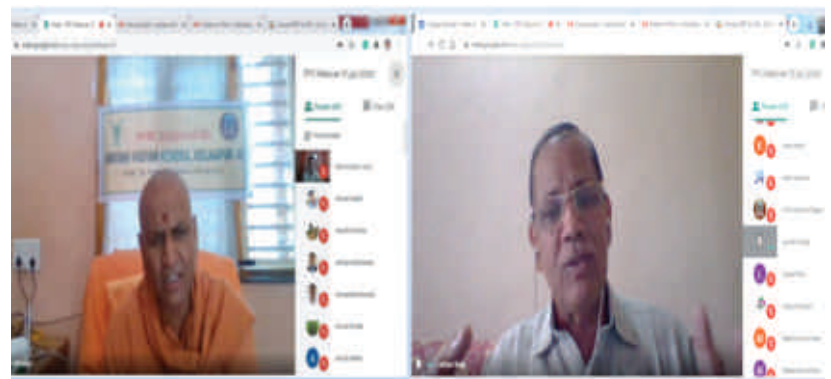
- ◆ A special programme on minor millets was organized by KVK Solapur-I involving IIMR-Research Station, Solapur for creating awareness among farmers. Quality seed of minor millets provided to the farmers in adopted villages.
- ◆ KVK Nandurbar given special attention on minor millets cultivation, their processing and value addition. 2500 farmers benefitted through 13 training programmes, 8 exhibitions and awareness camps.
- ◆ Exhibition on Pearl millets was organized at KVK Jamnagar. Vice Chancellors of SAUs from Gujarat visited the exhibition along with >300 farmers/extension workers/students.
- ◆ All the KVKs advised to include minor millets in farming system nutrition model/ nutrition garden at instructional farm and villages for nutritional security.
- ◆ KVKs under ATARI Pune conducted Frontline Demonstrations on millets in 824.9 ha area involving 2727 farmers during last five years.
- ◆ Action plan for 82 KVKs developed for celebrating International Millets Year-2023. Awareness campaigns, demonstration units and exhibitions will be organized.



Farmer Producer Organizations (FPOs)

- ◆ Govt. of India has made provision for formation and promotion of 10000 FPOs across the country with the financial support of National Cooperative Development Corporation (NCDC).
- ◆ Its main objective is collectivization of small and marginal farmers to form their organizations as FPO has been recognized as the most effective and appropriate institutional mechanism to reduce cost of production, increase per unit productivity and facilitate better market linkages for their higher net returns.
- ◆ It will also help in enhancing income of the farmers, improve rural economy and create job opportunities for rural youths in villages itself.
- ◆ Under ATARI Pune, 10 FPOs started functioning under the guidance of 6 KVKs in Maharashtra and Gujarat.
- ◆ 386 FPOs with 1,19,765 members supported by KVKs.
- ◆ 73 FPOs formed by the KVKs and having 20166 members.
- ◆ Farmers Producer Organization: A Future Need Webinar Organized at KVK Baramati, Maharashtra on 26.5.2020.
- ◆ Virtual Webinar on Formation of Farmer Producers Organizations (FPOs) Organized by KVK, Narayangaon, Pune (Maharashtra) on 9.6.2020.
- ◆ Webinar on "Formation of Farmers Producer Organization (FPOs) for Aatmnirbhar Bharat" organized by KVK, Kolhapur-II on 31st July, 2020.





Monitoring and Review of KVKs

Monitoring of KVKs is being done at different platforms. It includes the visits of Cabinet/ State Ministers, Zonal Monitoring Committee, ATARI/ SAUs, DAC/ ICAR Institutes. Scientific Advisory Committee is formed in each KVK for suggestions and review of works in their jurisdiction.

Independent evaluation of KVKs is done through higher level committee constituted by the ICAR, New Delhi. Quinquennial Review of KVKs/ ATARI is also mandatory for particular period.

Quinquennial Review of KVKs and ATARI

- ◆ QRT under Chairmanship of Dr. K.S. Khokhar, former Vice Chancellor, CCSHAU, Hisar reviewed 74 KVKs of Maharashtra, Gujarat and Goa for the period 2011-12 to 2018-19.
- ◆ Dr Lakhan Singh, Director ATARI Pune was entrusted with the responsibility to act as Member Secretary of the team.
- ◆ QRT reviewed 74 KVKs and organized 7 Travel Workshops to review the KVK activities.
- ◆ The committee interacted with all the stakeholders of ATARI and KVKs and made visits to representative KVKs.
- ◆ QRT appreciated the ATARI and working of KVKs.





QRT-2020 Chairman Dr K.S. Khokhar made Comment

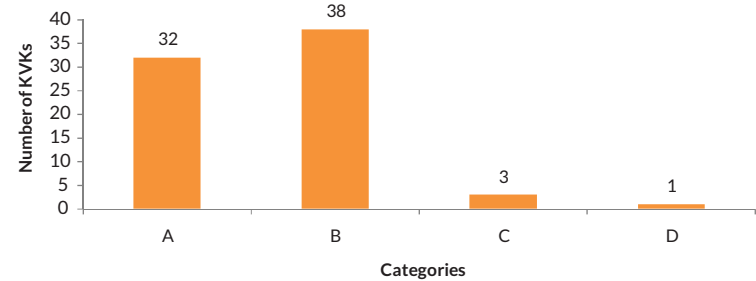
“So far as manpower of ATARI is concerned, *only the Director was posted*. The scientific and technical manpower at ATARI will enhance its capacity to address researchable issues, for which it is mandated. The Administrative and Finance Officers were on charge. Assistance of contractual staff was utilized. The office of ATARI was temporarily housed in college building. In spite of these constraints, this Institute carried out its mandated activities *most efficiently, effectively and meticulously*. In short span of time, *ATARI done a commendable job in monitoring, hand holding, mentoring of KVKs* and implementing Govt. sponsored schemes, programmes and activities”.

Evaluation of KVKs by NITI Aayog, Govt. of India

- ◆ Evaluation of KVKs for categorization into A, B, C and D categories was done by National Institute of Labour Economics Research and Development under NITI Aayog, Govt. of India.
- ◆ The main objective of the evaluation was in-depth examination, functioning of KVKs established till XII Five Year Plan looking into their infrastructural set-up, mandated activities, impact of such activities, and allied functions.
- ◆ Under Zone-VIII, 32 and 38 KVKs falls under A and B categories, respectively. Very less number of KVKs were found under C (3) and D (1) categories.
- ◆ Efforts for converting KVKs from C and D to higher categories were taken up at host organization and ATARI level.

State	No. of KVKs as per Rank Category				
	A	B	C	D	Total
Maharashtra	24	18	1	1	44
Gujarat	8	19	1	-	28
Goa	-	1	1	-	2

Overall Ranking of KVKs under ATARI Pune



Third Party Evaluation of KVK scheme

- ◆ ICAR has approved Indian Society of Agribusiness Professionals (ISAP), New Delhi as the consultant agency to evaluate the KVK scheme in 2020.
- ◆ Those KVKs were selected which established before 01.04.2015. 84% of KVKs identified belonging to SAUs and ICAR Institutes and 16% KVKs selected under Non-Government Organizations.
- ◆ 12 KVKs were selected for the study under the Zone. The consultant visited few identified KVKs, interacted with the staff and obtained information as per prescribed format along with gaps, limitations and suggestions for further improvement.



Institute Management Committee (IMC)

IMC is mandatory to review, approve and recommend the necessary equipments, infrastructure and capital funds as per ICAR norms.

IMC Meetings	Date	Location
First	28.01.2019	CIFE, Mumbai
Second	13.03.2020	KVK, Pune-II
Third	04.03.2021	ATARI, Pune
Fourth	02.02.2022	ATARI, Pune



Chairman:

Dr. Lakhan Singh, Director, ICAR-ATARI, Pune

ICAR's Representative:

Dr. V. P. Chahal, ADG (Agril Extn) (2019)

Dr. Randhir Singh, ADG (Agril Extn) (2020-22)



Members:

Dr. R. Roy Burman, ICAR-IARI, New Delhi

Dr. S.N. Ojha, ICAR-CIFE, Mumbai

Dr. Vijay Mahajan, ICAR-DOGR, Pune

Dr. D.V.S. Raju, ICAR-DFR, Pune

Dr. R.N. Padaria, ICAR-IARI, New Delhi

Shri Munish Ganti, F&AO, NRCG, Pune

Shri J. Mathew, AAO, ICAR-ATARI, Pune

Shri R.B. Rai, AAO, ICAR-ATARI, Pune

Shri Vasudev Kale, Pune

Shri Dnyanoba Mundhe, Aurangabad



Review of KVKs by Cabinet/ State Ministers

- ◆ At national level, KVKs were identified to monitor and review the activities by Cabinet/State Ministers.
- ◆ 8 Ministers visited 13 KVKs in Maharashtra, Gujarat and Goa.
- ◆ Hon'ble Vice President of India also visited the KVK, Baramati and applauded their efforts for empowering the farmers.





Interaction by Hon'ble PM/AM/CM with Farmers

- ◆ Hon'ble PM Interacted with Mrs. Darshana Pedenkar, Bardez, Goa during Scientist and Farmers Interaction programme on 28.09.2021.
- ◆ PM interaction was held on FPOs with Mrs Anita Yogesh Malge, President, Yashwini Women Farmers Producer Company, Boramani, Solapur on 20 June, 2018.
- ◆ An Interface meeting was organized under chairmanship of Hon'ble Chief Minister, Government of Goa for developing a workable strategy for strengthening agriculture, horticulture, livestock etc. considering agro-ecology of Goa on 25.11.2020.



Zonal Monitoring Committee (ZMC)-Review

- ◆ Zonal Monitoring Committee (ZMC) under the chairmanship of Dr. M.C. Varshaney, Ex-Vice Chancellor of AAU, Anand and Kamdhenu University, Gandhinagar critically reviewed NICRA interventions at KVK, Nandurbar and Ahmednagar during 8-10 January, 2019 and KVK, Baramati on 9 March, 2019.
- ◆ Chairman, ZMC attended the Zonal Action Plan cum Review Workshop of NICRA-KVKs at Jalna during 10-11 September, 2018 and reviewed different interventions under NICRA-KVKs.



Scientific Advisory Committee (SAC)

- ◆ 402 SAC meetings were organized by the KVKs across the zone to develop realistic action plan and review the progress at district level. SAC meeting is organized at least once a year involving different stakeholders and nominated members.



Zonal Review and Action Plan Workshops

Annual Zonal Workshops

- ◆ First Annual Zonal Workshop of KVKs was organized at MPKV, Rahuri during 5-7 May, 2018. Dr. A.K. Singh, DDG (Agril Extension), ICAR; Dr. K.P. Vishwanatha, Vice-Chancellor, MPKV, Rahuri; Dr. K.D. Kokate, Ex-DDG (Agril Extension), ICAR and Dr. V.P. Chahal, ADG (Agril Extension), ICAR graced the occasion. The chief guest urged the KVKs to connect each village digitally. More focus was given on farmer centric research, assessing technologies under varied agro-ecology, Doubling Farmers' Income, IFS models for sustaining income of the farmers.
- ◆ Second Annual Zonal Workshop of KVKs was organized at ICAR-CCARI, Goa during 14-16 June, 2019. Dr. A.K. Singh, DDG (Agril Extension), ICAR; Dr. P. Das, Ex-DDG (Agril Extension), ICAR; Dr. Ashok Patel, Vice-Chancellor, SDAU, SK Nagar; Dr. K.P. Vishwanatha, Vice-Chancellor, MPKV, Rahuri; Dr. S.D. Sawant, Vice Chancellor, BSKKV, Dapoli and Dr. V.P. Chahal, ADG (Agril Extension), ICAR shared their views and thoughts for making KVKs vibrant.
- ◆ Third Online Annual Zonal Workshop of 81 KVKs was organized from 10-12 July, 2020. Shri Kailash Choudhary, Union Minister of State for Agriculture and Farmers' Welfare; Dr. Trilochan Mohapatra, Secretary, DARE & DG, ICAR; Dr. A.K. Singh, DDG (Agril Extension), ICAR; 9 Vice-Chancellors of SAUs; Dr. V.P. Chahal, ADG (Agril Extension), ICAR; Shri. Atul Jain, Member, NITI Ayog Standing Committee on CSOs stressed on the crucial role of the entire NARS and KVKs system for doubling the farmers' income. Major focus was given on value chain management, need based enterprises, need of specialty agriculture, FPOs and integrating farmers wisdom with modern agriculture.



Annual Zonal Workshops

- ◆ Fourth Annual Zonal Workshop of KVKs was organized virtually during 4-6 August, 2021. Dr. A.K. Singh, DDG (Agril Extension), ICAR; 2 ADGs; 9 Vice Chancellors; 4 NGO-Heads; 10 Directors-ICAR Institutes; 9 Directors of Extension Education of SAUs and 81 Heads of KVKs joined virtually. Main focus was given on enhancing farmers' income, nutritional security, digital agriculture, organizing farmers through FPOs and convergence with different agencies.
- ◆ Fifth Annual Zonal Workshop of KVKs was organized at Anand Agriculture University, Anand during 7-9 July, 2022, which was inaugurated by the Chief Guest Dr. A.K. Singh, DDG (Agricultural Extension), ICAR, New Delhi in presence of Dr. K.B. Kathiria, Vice Chancellor, AAU, Anand; Dr. Z.P. Patel, Vice Chancellor, NAU, Navsari; Dr. R.M. Chauhan, Vice Chancellor, SDAU, S K Nagar; Dr. N.K. Gontia, Vice Chancellor, JAU, Junagadh; PP Adrushya Kadsiddheshwar Swamiji, Chairman, Kaneri Math, Kolhapur; Dr Lakhan Singh, Director, ICAR-ATARI, Pune; Dr C.S. Praharaj, Director, DGR, Junagadh. Major emphasis was given on natural farming, oilseed production, drone technology, millets, soil health, biodiversity, indigenous cows, crop diversification, etc.



Annual Action Plan Workshops

Maharashtra

- ◆ Annual Action Plan Workshop of Maharashtra KVKs conducted on 5-7 May, 2018 at MPKV Rahuri.
- ◆ Annual Action Plan Workshop of Maharashtra KVKs organized during 15-16 March 2019 at KVK Baramati.
- ◆ Virtual State Level Annual action Plan Workshop of 51 KVKs (Maharashtra & Goa) held on 27-28 May 2020.
- ◆ State Level Annual Online Action Plan Workshop of 51 KVKs of Maharashtra and Goa organized during 9 -10 February, 2021

Gujarat

- ◆ Annual Action Plan Workshop of Gujarat KVKs organized during 5-7 May, 2018 at MPKV Rahuri.
- ◆ Annual Action Plan Workshop of Gujarat KVKs held from 1-2 March 2019 at NAU, Navsari.
- ◆ Annual Action Plan Workshop of Gujarat KVKs organized during 13-14 February 2020 at Gujarat Vidyapith, Ahmedabad.
- ◆ Annual Action Plan Workshop of Gujarat KVKs organized on 18.2.2021.
- ◆ Annual Action Plan Workshop of Gujarat KVKs organized during 7-9 May, 2018 at AAU, Anand.



Review Workshops on CFLDs on Oilseeds and Pulses

Maharashtra

- ◆ Review Workshops on CFLDs conducted at KVK, Solapur-I during 16-18 January, 2018 and at BSKKV, Dapoli during 24-25 November, 2018.
- ◆ Review Workshops on CFLDs conducted at KVK, Kolhapur-I during 10-12 December, 2019.
- ◆ Review cum Sensitisation Workshop on CFLD on Oilseeds and Pulses at KVK, North Goa (18-19 November, 2021).

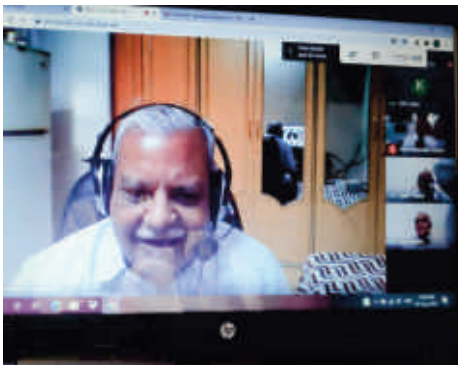
Gujarat

- ◆ Review Workshops on CFLDs conducted at NAU, Navsari during 29-31 January, 2018 and at KVK, Bhavnagar during 7-9 December 2018.
- ◆ Review Workshops on CFLDs conducted at Gujarat Vidyapith during 13-14 February, 2020.



Annual Action Plan Review Workshops on NICRA-KVKs

- ◆ Annual Action Plan and Review Workshop on NICRA-KVKs organized at KVK, Baramati on 3 July, 2017 and at KVK, Jalna on 10-11 September, 2018.
- ◆ Zonal Monitoring Committee (ZMC) critically reviewed NICRA interventions at KVK, Nandurbar and Ahmednagar during 8-10 January, 2019 and KVK, Baramati on 9 March, 2019.
- ◆ Review Workshop of NICRA-KVKs at Ahmednagar-I organized from 2-3 January, 2020.
- ◆ Virtual Annual Zonal Review Workshop of NICRA-KVKs of Maharashtra & Gujarat conducted on 7 August 2020.
- ◆ Concluding Review Workshop of NICRA-KVKs in collaboration with ICAR-CRIDA, Hyderabad organized on 15 May, 2021.
- ◆ Annual Review Workshop of NICRA-KVKs in Maharashtra, Gujarat and Goa organized at KVK, Jalna-I from 8 - 9 June, 2022.



Review Workshops on Farmer FIRST and ARYA-KVKs

Farmer FIRST

- ◆ Review Workshop of Farmer FIRST Project on 28 January, 2018 at NAU, Navsari
- ◆ Review Workshop of Farmer FIRST Project on 25 November, 2018 at BSKKV, Dapoli
- ◆ Jointly organized Annual Review cum Action Plan Workshop on Farmer FIRST Project at ICAR-ATARI, Bengaluru on 9 May, 2019
- ◆ Review Workshop on Farmer FIRST Centres organized at KVK, Ahmednagar-I on 3 January, 2020
- ◆ Online Zonal Review cum Annual Action Plan Workshop of Farmer FIRST Project organized on 13.6.2020.
- ◆ Annual Review Workshop of Farmer FIRST Project organized at KVK, Jalna-I on 09.06.2022.

Attracting and Retaining Youth in Agriculture (ARYA)

- ◆ Review Workshop of ARYA Project on 31 January, 2018 at NAU, Navsari.
- ◆ Review Workshop on ARYA Project of Maharashtra and Gujarat organized at KVK, Bhavnagar on 8 December, 2018.
- ◆ Review Workshop on ARYA Centres at KVK, Kolhapur-I on 12 December, 2019.
- ◆ Organized Zonal Level Review Workshop on ARYA in Maharashtra and Gujarat virtually on 15.02.2022.



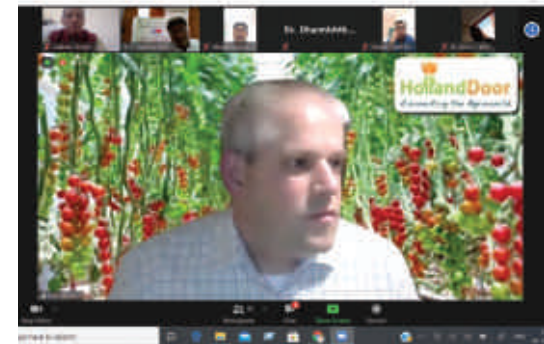
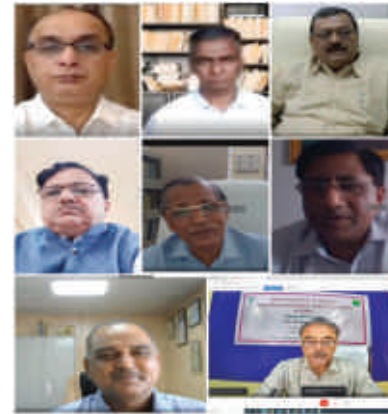
Human Resource Development

Capacity Building

- ◆ Capacity Building of Home Science Experts at KVK, Jalna during 27-29 November, 2017. 30 Subject Matter Specialists (Home Science) of 30 KVKs from Maharashtra participated.
- ◆ Online 'Orientation Training for Newly Recruited Subject Matter Specialists of KVKs' organized during 3-5 May 2021 for updating their knowledge and orienting them towards mandated activities.
- ◆ 'e-Talk on Digital Platforms for Effective Outreach' jointly organized by ATARI; KVK Kolhapur-II and Pune-II on 29 August, 2020.
- ◆ 'Advances in Horticultural Technologies' for 31 KVKs of Maharashtra and Gujarat organized at IIHR, Bengaluru from 4-6 July 2019.
- ◆ Training on 'Developing Entrepreneurship in Floriculture' organized jointly with ICAR-DFR, Pune at KVK, Baramati from 23-25 January, 2019.
- ◆ Master Trainers' Programme for Developing Entrepreneurship organized at KVK Narayangaon (Pune-II) from 27-30 January, 2019.
- ◆ Farming System for Nutrition Approach for 21 KVKs of Maharashtra and Gujarat organized at KVK Narayangaon on 24 April 2018.
- ◆ Six Hands on Training on PFMS conducted at different places. Remote assistance provided through phone/ team viewer software to KVKs/SAUs.



- ◆ Four Sensitization Workshops on 'Preparation and Dissemination of Agromet Advisories at Block Level' at different places in collaboration, IMD, Pune in last 4 years.
- ◆ 'Management Development Program for Newly Recruited Heads of KVKs' organized at ICAR-ATARI, Pune during 4-8 January, 2019.
- ◆ 'Management Development Program for Newly Recruited Heads of KVKs' organized at ICAR-ATARI, Pune during 14-18 July, 2022.
- ◆ Training on 'IPM for Kharif Crops with Special Focus on Pink Bollworm in Cotton' from 30-31 August, 2018 at Washim.
- ◆ 'Orientation Training on New Extension Methodologies and Approaches' at KVK Ahmednagar-I on 14 January, 2020.
- ◆ Training Program on 'IPM for Kharif Crops with Special Focus on Pink Boll Worm in Cotton in Vidarbha and Marathwada Regions' organized at 30-31 August, 2018.
- ◆ Virtual Training on High-Tech Cultivation of Vegetables and Grafting in Vegetables (Dutch Technology) organized by KVK-Baramati on 24 December, 2020.



Trainings Attended

- ◆ Attended 'Executive Development Programme for Leadership Development' at NAARM, Hyderabad from 28 July to 1 August 2017.
- ◆ Attended training programme on 'Qualitative Research Methods' organized jointly by IFPRI and ICAR, New Delhi.
- ◆ Attended 'EDP on Developing Effective Organizational Leadership for Senior Officers of ICAR' organized by ASCI at Hyderabad from 9-11 August, 2019.
- ◆ Visited Amsterdam (Netherlands), Bonn (Germany), Brussels (Belgium), Zurich (Switzerland) under Executive Development Programme on 'Developing Effective Organizational Leadership for Senior Officers of ICAR' International component during 12-22 October, 2019.





Special Focused Programmes

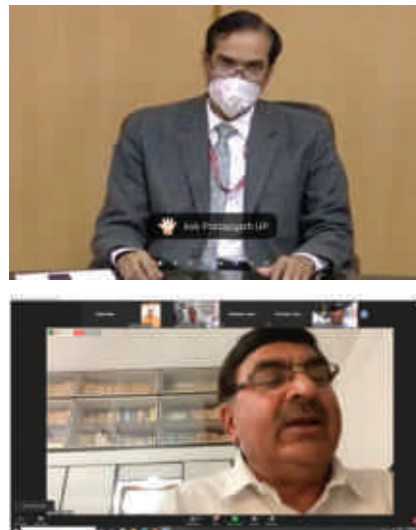
Farm Innovators Meets

- ◆ Farm Innovators Meet on 'Farm Level Stress and Innovations' organized at KVK, Baramati during 7-8 October, 2017. In all, 180 innovative farmers from three states participated.
- ◆ Emphasis was given to document the success stories of innovative farmers. To start with 15 farmers' success stories were video recorded on the day itself.
- ◆ Organized Innovative Farmers Meet at KVK, Narayangaon, Pune on 24 February, 2018. More than 100 entrepreneurs and innovative farmers participated and shared their success.
- ◆ Innovative Farmers meet on 'Farmers Innovation for Prosperous Agriculture' at KVK, Kolhapur-II during 30-31 January and 01 February, 2020 were organized.
- ◆ Organized Exhibition and shared experiences by Innovative Farmers during Farm Science Congress on Farmers Innovations Driving Integrated Agriculture and Rural Bio-Entrepreneurship on 6 January, 2020 at UAS, GKVK Bengaluru.
- ◆ Ten innovative farmers participated in 'Farm Innovators Meet and Exhibition' at New Delhi on 15 July, 2019. They also shared their innovative experiences.

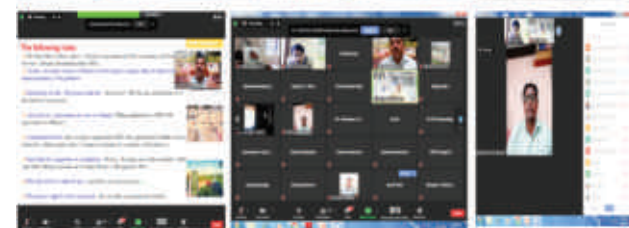
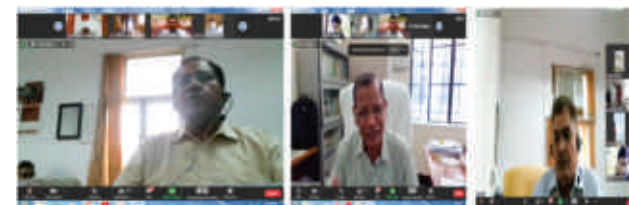
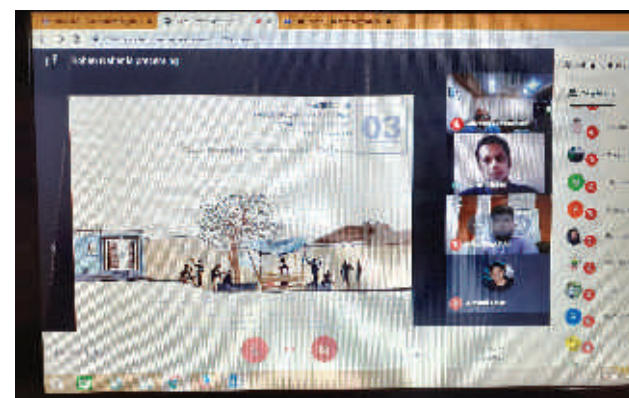
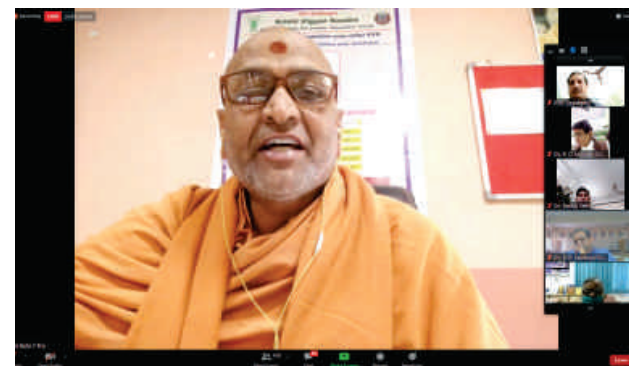


Webinars on Major Issues

- ◆ Workshop on 'Sensitization of KVKs on Natural Farming for Healthy Nation' with Chief Guest Hon'ble Governor of Gujarat Acharya Devvrat (300 participants).
- ◆ National Webinar on "Bhumi Suposhan" organized with Chief Guest Shri Parshottam Rupala, MoS, Govt. of India (780 participants).
- ◆ National Webinar on "Women Farmers: Engineered a new Age Farming Transformation' under Mahila Kisan Diwas Celebration organized on 15 October, 2020 with Chief Guest Hon'ble DG, ICAR (750 Women participated).
- ◆ 'Virtual Sensitization Workshop on Transforming Animal Husbandry Sector' organized on 28 November, 2020. Dr. Vallabhbai Kathiria, Chairman, Rashtriya Kamdhenu Aayog was the chief guest.
- ◆ Dial-Out Conference on Kharif Crop Planning for Gujarat organized by KVK, Navsari on 16.5.2020.
- ◆ Webinar on Formation of Farmers' Producers' Organizations (FPOs) organized by KVK Pune-II on 9.6.2020.



- ◆ Webinar on "Formation of Farmers' Producers' Organizations (FPOs) for Atmanirbhar Bharat" organized at KVK, Kolhapur-II on 31.7.2020
- ◆ Webinar on "Promoting Bamboo Cultivation for Bamboo-based Industries in Maharashtra" organized by KVK, Baramati on 14.8.2020.
- ◆ State Level Webinar: Farmers Awareness on Farm Acts-2020 jointly organized by ICAR-ATARI, Pune, KVK, Pune-II and Kolhapur - II on 28 October 2020.
- ◆ State Level Webinar for Awareness on Farm Acts -2020 for Farmers of Gujarat organized on 30, October, 2020 by ICAR-ATARI, Pune and KVK, Navsari.
- ◆ Webinar on "Strengthening Community Based Organizations through KVKs" on 3.6.2021 jointly with MCDC Pune.



Mass Gathering Programmes

- ◆ Every year majority of the KVKs organize mass gathering programs/Kisan Melas along with agriculture exhibitions for benefitting the farmers/extension functionaries.
- ◆ KRUSHIK Technology Week 2021 along with Live Demonstration organized at KVK, Baramati on 18 January, 2021.
- ◆ Global Farmers- Live Demonstrations, Agriculture Exhibition and Crop Conference Organized at KVK, Narayangaon, Pune from 9-12 January, 2020.
- ◆ Agro-Tech Fair "Krushived - 2020" at KVK, Nanded-II on 10-12 February 2020.
- ◆ Rabi Crops Mela and Agriculture Technology Week organized by KVK-Jalna-II on 20.10.2020.
- ◆ Rabi Season Mela organized by KVK Osmanabad on 26.10.2020.
- ◆ Krishi Tantragyan Mahotsav - 2020 by KVK Nandurbar from 2-7 November 2020.



- ◆ Virtual Rabi Kisan Mela organized by KVK, Jalna -I on 5 November, 2020.
- ◆ Kharif "Shetkari Mela" Organized by KVK, Osmanabad on 11 May, 2021.
- ◆ Virtual Kharif Shetkari Melawa organized by KVK, Yavatmal on 12 June, 2021.
- ◆ Virtual Rabi Shetkari Mela organized by KVK, Osmanabad on 17 September, 2021.
- ◆ Virtual Krishi Mela organized at KVK, Solapur on 19 January, 2021.
- ◆ Krishi Mela organized at KVK Narmada on 9 March, 2021.
- ◆ "Kisan Mela on Natural Farming and Date Palm Exhibition" organized at Kutch, Gujarat on 13 June, 2022. Shri Kailash Choudhary, Union Minister of State for Agriculture and Farmers' Welfare was the chief guest.



Special Days Celebrations

Program	KVK	Participants	Program	KVK	Participants	Program	KVK	Participants
World Soil Day	80	196750	MahilaDiwas	79	32371	PM Kisan Samman Nidhi	78	755543
Fertilizer awareness	60	6236	Soil Health Cards	81	15.93 Lakh			
Poshan Maah	76	93235	KisanDiwas	79	27796	Interaction-PM-SHG	70	4715
Swachhta Abhiyan	80	54942	Agri. Env't. Day	76	10307	World Water Day	80	12092
Sankalp se Siddhi	65	39905	Tree Plantation	80	12615	Animal Disease	76	9783
World Bee Day	60	3331	World Milk Day	72	4424	International Women Day	76	7209
Bhumi Suposhan Abhiyan	65	3098	Jal Shakti Abhiyan	81	74381	World Pulses Day	76	6077





Farmer Centric Programmes

National Innovations on Climate Resilient Agriculture (NICRA)

- ◆ 13 KVKs (8 in Maharashtra and 5 KVKs in Gujarat) adopted 40 villages including 27 additionally adopted nearby villages.
- ◆ A total of 3524 ha area was treated with NRM related interventions covering 3270 farmers to build climate resilient eleven NICRA villages.
- ◆ In second phase of NICRA, 11 KVKs (4 existing KVKs and 7 newly added KVKs) included.

Attracting and Retaining Youth in Agriculture (ARYA) Project

- ◆ 12 ARYA centres
- ◆ No. of Training programs: 461
- ◆ No. of rural youth trained: 7977
- ◆ No. of youth established units: 957
- ◆ No. of entrepreneurial units established: 843

Farmer FIRST Project

- ◆ 3 Farmer FIRST projects (MPKV, Rahuri, NAU, Navsari and JAU, Junagadh)
- ◆ 3390 farm families covered





Nutri-sensitive Agricultural Resources and Innovations (NARI) at 82 KVKs

- ◆ Implemented through 19 KVKs in Maharashtra (MCAER; MSSRF, Chennai; ATARI and SAUs); UNICEF
- ◆ The Farming System Nutrition (FSN) project started in 2019, covered 3500 farm families of 54 villages (2-3 villages adopted by each KVK)
- ◆ Nutrition garden and awareness programs are nutri-sensitive agriculture promoted through 82 KVKs across the zone

Knowledge Systems and Homestead Agriculture Management in Tribal Areas (KSHAMTA) at 15 KVKs

- ◆ Tribal Sub Plan (TSP) is meant for developing strategy for tribal welfare
- ◆ 11 KVKs: Gujarat 6 districts- Valsad, Tapi, Dang, Narmada, Bharuch, Dahod.

- ◆ Maharashtra 5 districts: Raigadh, Nandurbar, Nashik-I, Amaravati-I and Thane.

Value Addition and Technology Incubation Centre in Agriculture (VATICA) at 2 KVKs

Pulses Seed Hub Project

- ◆ Seed Hub Project at 14 centres, Maharashtra (08) & Gujarat (06)
- ◆ KVKs produced 33206.86 q seeds of crop varieties, 3574 q bio-products, 19.46 lakh number of planting materials of varieties, 42.23 lakh number of planting materials of hybrids and 0.82 lakh number of livestock and fisheries.

District Agro-Metereology Unit (DAMU)

- ◆ Implemented at 34 KVKs in Maharashtra, Gujarat and Goa



Research Projects

Collaborative Research Projects

- ◆ Development, validation and promotion of cotton IPM with major emphasis on pink bollworm in Jalna (Co-PI in Collaborative Project with ICAR-NCIPM, New Delhi and KVK, Jalna-I).
- ◆ Demonstrating Farming System for Nutrition approach-UNICEF Funded Project through KVKs in the State of Maharashtra (Partner with MCAER, Pune and MSSRF, Chennai). 21 KVKs of Maharashtra included.
- ◆ Project on "Insecticide Resistance Management (IRM): Dissemination of Pink Bollworm Management Strategies" under Centrally sponsored scheme on "NFSM: Commercial Crops" from 2022-23. (Collaborative Project with ICAR-CICR, Nagpur; KVKs associated are Amreli, Narmada, Beed-I, Aurnagabad-I and Nandurbar).
- ◆ Scaling up climate smart technologies, practices and services in Indian Agriculture for implementation of collaborative project between ICAR and IWMI during 2019 to 2022. KVK Beed-I included under the project.
- ◆ Establishment of Coordinating Centers for Organization of Demonstrations and Farmers Training by Directorate of Wheat Development (DWD), Gurugram under NFSM-Wheat (during 2022-23). KVK, Dhule included under the project.





ICAR Network Projects

- ◆ Impact of ARYA on promotion of agri-preneurship and attractive livelihoods.
- ◆ Impact of technological interventions of KVKs on socio-economic empowerment and sustainable livelihood security of tribal farmers.
- ◆ Income enhancement through KVKs interventions under Doubling Farmers' Income programme.
- ◆ Impact assessment of popular pulses varieties and technologies disseminated through Cluster Frontline Demonstrations of Pulses (CFLD-P) in India.
- ◆ Impact of climate resilient technologies in different agro-climatic zones in India- A study in National Innovations in Climate Resilient Agriculture (NICRA) Project areas.
- ◆ Assessing impact of nutri-small villages on dietary pattern, consumption level and food availability in India.
- ◆ Analysis of agriculture and micro irrigation programmes in aspirational districts in India.
- ◆ New Extension Methodologies and Approaches (NEMA): ICAR-ATARI, Pune included as partner.

Focused Areas

- ◆ Quality seed and planting material production mobilized at KVK level.
- ◆ Promoting bio-fertilizers, bio-pesticides and organic products towards reducing cost of cultivation specially in raising high value fruits and vegetables.
- ◆ Precision farming along with sensor based irrigation system, weather based advisory, auto-fertigation considering changing climatic scenario.
- ◆ Promotion of farm mechanization at different stages of crop cultivation specially soybean, chickpea, pigeon pea, rice, sugarcane and other fruits & vegetables.
- ◆ Development and promotion of IFS models for varied agro-ecologies incorporating horticulture and livestock components.
- ◆ Indigenous Cow Demo Units being established at the KVKs.
- ◆ Promotion of climate resilient technologies, water harvesting, moisture conservation, inter cropping.
- ◆ Promotion of primary & secondary processing, value addition of agri-produce. Focus on value added products from different fruits, particularly in Maharashtra.
- ◆ Incubation centre at the KVK and villages.
- ◆ Capacity building of fisheries human resources and introduction of new aquaculture technologies.
- ◆ Custom hiring centres
- ◆ Efforts for harnessing potential of digital platform for the farmers.
- ◆ Minimal and primary processing unit including grading and packaging facilities at the centre.
- ◆ Nutri-smart and climate smart villages created under NARI and NICRA projects.
- ◆ Millet based cropping systems
- ◆ Formation and promotion of Farmer Producers Organizations (FPOs).
- ◆ Creation of organic farming / natural farming demonstration units at the KVK instructional farm.
- ◆ Promoting cluster based frontline demonstrations on oilseed and pulses.

- ◆ Micro Irrigation
- ◆ Rain water harvesting and water budgeting
- ◆ Sustainable production efforts for climate smart farming
- ◆ Horizontal integration and integrated efforts under Jal Shakti Abhiyan with KVKs
- ◆ Crop diversification through sericulture and horticultural crops for higher return
- ◆ Bamboo cultivation, medicinal and aromatic plants
- ◆ Doubling farmers income

Future Line of Works

- ◆ Promoting Natural Farming through KVKs
- ◆ Millet based farming and cropping system; farm mechanization
- ◆ Precision farming along with sensor based irrigation system, weather based advisory, auto-fertigation
- ◆ Drone technology
- ◆ Indigenous Cow Demo Units; Energy conservation measures including solar system at the KVKs
- ◆ Entrepreneurship development, promotion of primary & secondary processing, value-addition of agri-produce & fruits; Doubling Farmers Income; Special focus on livestock & fishery
- ◆ Nutritional security through developing nutri-smart villages.
- ◆ Farmer Producer Organizations through KVKs; harnessing potential of digital platform for the farmers
- ◆ IFS models for varied agro-ecologies; cluster based frontline demonstrations on oilseeds/pulses, etc.
- ◆ Impact study on front line extension program and large-scale adoption study; Technology Inventory.

Linkage/Convergence

- ◆ Memorandum of Understanding between Amazon Retail India Private Limited and KVK Narayangaon (Pune) for technical support on crop demonstrations and farmers training was signed on July 1, 2022.
- ◆ Memorandum of Understanding between Amazon Retail India Private Limited and KVK Baramati (Pune) for technical support on crop demonstrations and farmers training was signed in September 2022.
- ◆ Centrally Sponsored Programmes/Schemes being coordinated and implemented through KVKs in collaboration with different ministries of Govt. of India.
- ◆ Interface meetings and awareness campaigns on water harvesting, micro-irrigation and ground water recharge organized through KVKs in collaboration with line departments and Ministry of Jal Shakti, Govt. of India.
- ◆ Convergence strengthened by organizing meetings with Commissioner Agriculture; Commissioner Animal Husbandry, Govt. of Maharashtra and Director Agriculture, Govt. of Gujarat.
- ◆ Interface meeting under chairmanship of Chief Minister of Goa for developing strategy for overall agricultural development.
- ◆ Collaborated with IIMR, Hyderabad and Gujarat Natural Farming and Organic Agricultural University, Gujarat for natural farming and nutritional security.
- ◆ Close linkages developed with ICAR institutes, SAUs, NGOs, FPOs for enhancing farmers' income.
- ◆ 22 KVKs running PoCRA in collaboration with Government of Maharashtra.
- ◆ 34 DAMU centres established in the Zone in collaboration with IMD, New Delhi.
- ◆ 18 KVKs running DAESI program in collaboration with MANAGE Hyderabad.
- ◆ 21 KVKs implementing Farming System Nutrition program in collaboration with MCAER, Pune and MSSRF, Chennai.

Awards and Recognitions

'Pandit Deen Dayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar' conferred by ICAR, New Delhi to

- ◆ Krishi Vigyan Kendra, Thane (2016)
- ◆ Krishi Vigyan Kendra, Tapi (2017)
- ◆ Krishi Vigyan Kendra, Nandurbar (2018)
- ◆ Krishi Vigyan Kendra, Beed-I (2020)

'Jagjivan Ram Abhinav Kisan Puraskar' conferred by ICAR, New Delhi to

- ◆ Smt. Sunandabai Madanrao Shinde, Parbhani (Maharashtra) in 2017
- ◆ Shri Samir Mohanrao Dombe from Pune (Maharashtra) in 2018
- ◆ Shri Vinod Bharve, Valpoi, Sattari, Goa in 2019
- ◆ Shri Dharendra Kumar Bhanubhai Desai, Bharuch (Gujarat) in 2020
- ◆ Smt Vidya Baburao Rudraksh, Beed (Maharashtra) in 2020



Padam Shree Awards



★ **Shri Vallabh Bhai Vasrambhai Marvaniya** ★

Junagadh (Gujarat)
2019



★ **Smt Rahibai Soma Popere** ★

Ahmednagar (Maharashtra)
2020



★ **Shri Popatrao Pawar** ★

Ahmednagar (Maharashtra)
2020

Awards and Recognitions

'**Pandit Deen Dayal Upadhyay Antyodaya Krishi Puruskar**' awarded by ICAR, New Delhi to

- ◆ Mrs. N.S. Chaudhari, Surat, Gujarat (2017)
- ◆ Mrs. Vasav Ushaben Dineshbhai, Narmada, Gujarat (2018)

N.G. Ranga Farmer Award for Diversified Agriculture conferred to

- ◆ Shri Udhav Asaram Khedekar from Jalna, Maharashtra (2018)
- ◆ Shri Dipen Kumar Shah from Anand, Gujarat (2020)

ICAR Innovative Farmer Award conferred to

- ◆ Shri Velji Bhai Murji Bhai Bhudia, Kutch, Gujarat (2020)

Best NICRA KVK Award by CRIDA (National) conferred to

- ◆ Krishi Vigyan Kendra, Jalna-I (2018)
- ◆ Krishi Vigyan Kendra, Kutch-I (2019)

Vasantao Naik Award for Outstanding Research and Application in Dry land Farming System - 2021 awarded to KVK, Kutch-I for associated in NICRA project.

Appreciation Certificate to Smt Kamaltai Pardeshi (Daund, Pune) was received on the occasion of International Women's Day on 8.3.2021.

Krishi Alert Award by Krishi Alert New Delhi (National) conferred to

- ◆ Krishi Vigyan Kendra, Jalna-I (2021)
- ◆ Krishi Vigyan Kendra, Kolhapur-II awarded for Excellence in Sustainable Agricultural and Farming Practices (2021)



Dhanuka Innovative Agriculture Award (National)

- ◆ KVK, Tapi (2019) awarded Best Working Innovative Technology in Agriculture
- ◆ KVK, Jalna-I (2020) received Dhanuka Innovative Agriculture Award
- ◆ KVK, Pune-I (2020) conferred with Award for Best Working Innovative Technology in Agriculture

Doordarshan Sahyadri Krishi Sanman Puraskar (State) conferred to

- ◆ Krishi Vigyan Kendra, Pune-I (2017)
- ◆ Krishi Vigyan Kendra, Jalna-I (2018)

Cashless Krishi Vigyan Kendra Award (2017) by ICAR conferred to KVK Dang, KVK Narmada, KVK Navsari, KVK Surat and KVK Tapi.

- ◆ KVK, Pune-I received Best Stall Award at Krishi Unnati Mela, IARI, New Delhi in 2017.

Mahindra Samruddhi India Agri. Award (2018) by Mahindra and Mahindra partnership with Zee News conferred to KVK, Surendranagar.



Awards and Recognitions

Dr. Lakhan Singh, Director, ICAR-ATARI, Pune received the following awards during tenure:

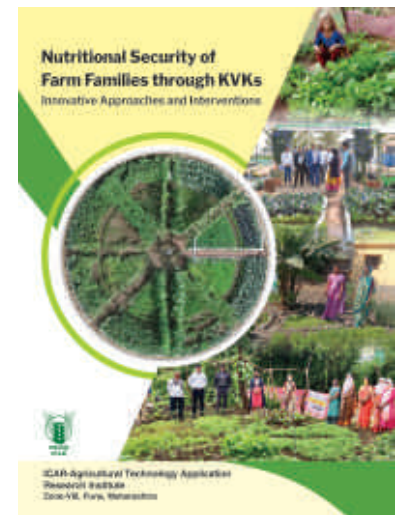
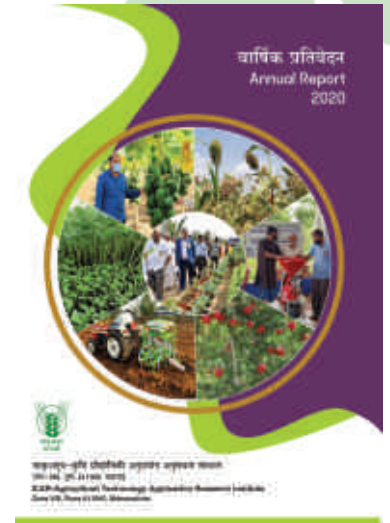
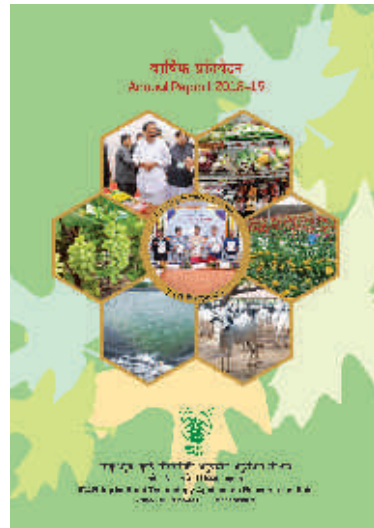
Vasantao Naik Award for Outstanding Research and Application in Dry land Farming System - 2021
awarded as Associate under NICRA project from ICAR, New Delhi.

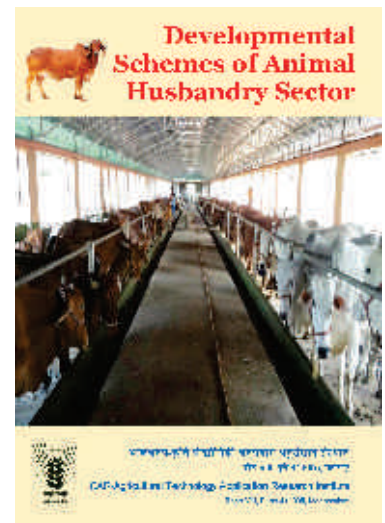
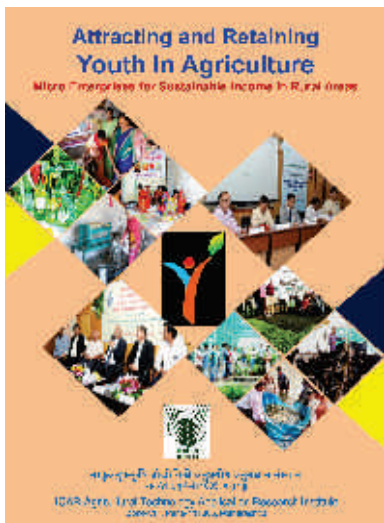
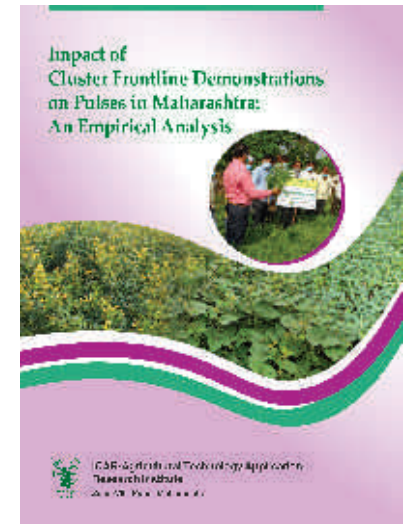
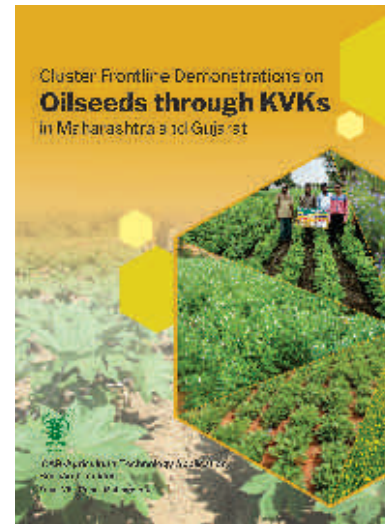
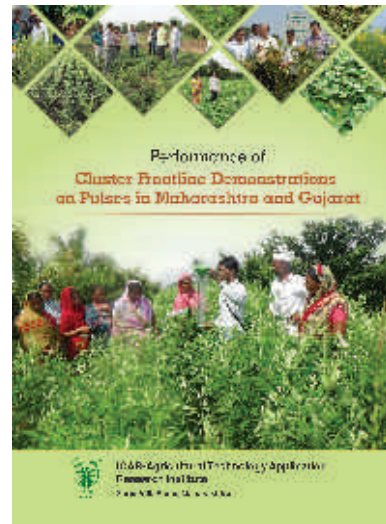
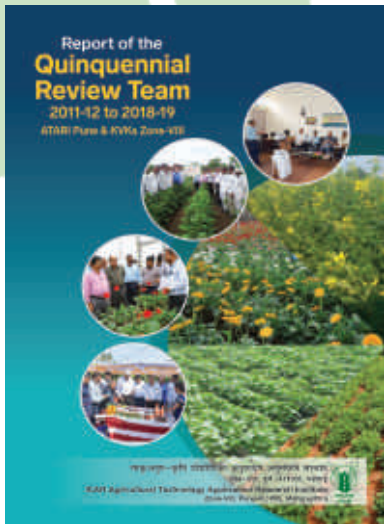
Swachhta Pakwada Award in 2021 from Ministry of Agriculture & Farmers Welfare, Govt. of India.

IASWC Fellow Award by Indian Association of Soil and Water Conservationists (IASWC), Dehradun in 2019.



Publications





Guidance from ICAR and DAC&FW



Shri Narendra Singh Tomar
Union Minister of Agriculture
and Farmers Welfare,
Govt. of India



Shri Kailash Choudhary
Union Minister of State for
Agriculture and Farmers Welfare,
Govt. of India



Dr. Himanshu Pathak
Secretary, DARE & DG,
ICAR, New Delhi



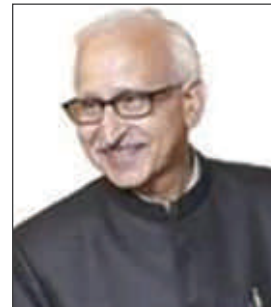
Dr. Trilochan Mohapatra
Ex-Secretary, DARE & DG,
ICAR, New Delhi



Dr. U.S. Gautam
DDG (Agril Extension)
ICAR, New Delhi



Dr. A.K. Singh
Ex-DDG (Agril Extension)
ICAR, New Delhi



Dr. V.P. Chahal
ADG (Agril Extension)
ICAR, New Delhi



Dr. Randhir Singh
Ex-ADG (Agril Extension)
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ATARI Staff



Dr. Lakhan Singh
Director,
ICAR-ATARI, Pune



Mr. Tushar Athare
Scientist (Agril Extension)
ICAR-ATARI, Pune



Dr. Rajesh T
Scientist (Agril Economics)
ICAR-ATARI, Pune



Mr. Munish Ganti
FAO on charge from
ICAR-NRCG, Pune



Mrs. Priyanka Kumari
AAO
ICAR-ATARI, Pune

- ◆ Dr. Amol Bhalerao, Scientist (Agril Extn) and Dr. Ankush Kamble, Scientist (Agril Econ) transferred on administrative ground on 14 January, 2021.
- ◆ Dr. D.V. Kolekar, Scientist (Agril Extn), ICAR-ATARI, Bengaluru worked initially for two years on additional duty.
- ◆ Mr. J. Mathew, AAO from ICAR-ATARI, Bengaluru and Mr. R.B. Rai, AAO from ICAR-NRCP, Solapur worked on additional duty.
- ◆ Mr. R.S. Bhat, AF&AO from ICAR-DFR, Pune and Mrs. Vijaya Bhumkar, AF&AO from ICAR-DOGR, Pune worked on additional duty.



भाकृअनुप-कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान
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