



ICAR-ATARI, Kanpur

Newsletter

ICAR-AGRICULTURAL TECHNOLOGY APPLICATION RESEARCH INSTITUTE, KANPUR

An ISO 9001:2015 Certified Institute

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Director's Desk



During the period of October to December 2020 most of the meetings were conducted online while few meetings were done physically. SAC meetings of Etah, Mahoba, Lucknow and other KVKs were organized. Meeting to make farmers aware about new Farms act was also organized and through KVKs, information related to new farms act was given to farmers. Foundation stone laying ceremony of KVK Muzaffarnagar-II was done by Hon'ble Agriculture minister of UP. Review meeting of projects CFLD Oilseed-Pulses, NICRA, CRM was organized virtually. Webinar on increasing awareness on Crop Residue Management and on World Food day, were organized. In November and December Midterm Review workshops of KVKs Under SVPUAT Meerut, CSAUAT Kanpur, BUAT Banda and NDUAT Ayodhya were organized physically as well as virtually. On the occasion of Review workshop of KVKs under CSAUAT Kanpur area jurisdiction held at ICAR-ATARI Kanpur, Hon'ble Vice Chancellor of CSAUAT Kanpur Dr. D.R. Singh was chief guest. He gave his valuable suggestions to KVKs. In ICAR Regional committee meeting Hon'ble Minister of Agriculture Shri Narendra Singh Tomar Ji, Hon'ble Agriculture Minister of UP Shri Surya Pratap Shahi Ji and Secretary DARE and DG ICAR, DDG (AE) and other ADGs Participated. RAC meeting was also organized and participated by ICAR-ATARI Zone-III Kanpur. Constitution Day and Swachhta Pakhwada were celebrated in ICAR-ATARI Kanpur. For new year 2021 the New year planner 2021 and quarterly magazine Krishi Shodh Darpan targeted.

- Atar Singh

Meeting related to Farm Bills

On 07th October 2020, a meeting related to the new Agriculture Act was held under the chairmanship of Honorable Kailash Chaudhary Ji, Minister of State for Agriculture, in which 590 Krishi Vigyan Kendras participated. Besides ICAR-ATARI Director; Director Extension, KVK Heads, Secretary DARE and Director General ICAR, Deputy Director General (Agriculture Extension), Joint Secretary, Ministry of Agriculture were present in the meeting.

Director General ICAR New Delhi highlighted that the said acts can enable farmers to get more value of the product. The correct information of the new Acts has come to the farmers. He emphasized everyone to read the act well so that the farmer may not get any wrong information and should not be confused. Along with technology, inform farmers about the act. You can tell by translating in local language. Inform the DDG (AE) about how many farmers interacted with.

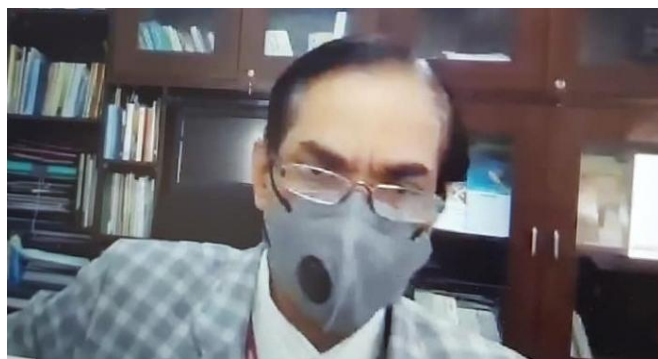
Honorable Agriculture Minister also desired to make information related to the act to the farmers through audio-video also. Farmers can sell their crops in or out of the market at a good rate, he further stressed upon. Farmers can also sell crops online. MSP to farmers will remain as such. For purchase, the businessman will directly contact the farmer and will come to the farmer on the farm, and the payment will be made after delivery.

- Schemes- Infrastructure, Agricultural Infrastructure Fund, Co-operation Societies, F.P.O. , P.H.M.
- On MSP or more than rate of MSP Products can be sold in the market or outside the market.
- The duration of the contract will be one crop cycle / one year / 5 years.
- Quality check will be evaluated by third party (KVK / Scientist).
- The farmer has no responsibility in the event of loss due to natural disaster.
- Crop insurance will prevent loss.
- For purchase outside the market, buyer should have PAN card and not the farmer.
- The data of buyers will be available on the portal for farmers.
- Farmers can fix prices on their own.
- The interests of the farmers will be taken care of if the farmer can seek legal help in case of any rule violation by the merchant.

Deputy Director General (Agricultural Extension) ICAR New Delhi also expressed his opinions.

Krishi Vigyan Kendras should be aware of the schemes.

- Information about all schemes should be given through banners etc. in the gallery.
- State the characteristics of the bill through hoardings and charts at the Center for Agricultural Sciences.
- Disseminate information through pamphlets etc.
- KVKs should become such centers of district where farmers should come for maximum information related to agriculture.
- Written information also reached the farmer.

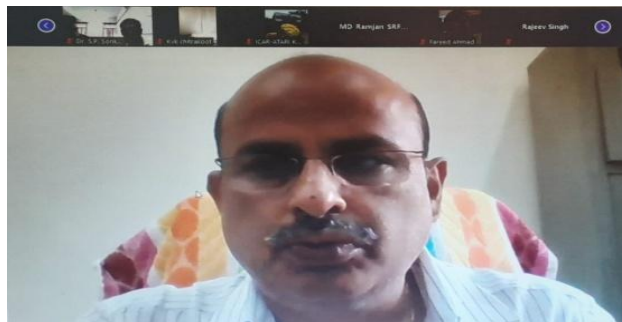


Online meeting of NICRA project

On 08th October 2020, online meeting was organized under the NICRA Project in ICAR-ATARI Kanpur to share information for making video film by NICRA Krishi Vigyan Kendras in Uttar Pradesh. This meeting was attended by Dr. Atar Singh-Director ICAR-ATARI, Kanpur; Dr. JVNS Prasad from Hyderabad and the Head, scientists and SRF of the Krishi Vigyan Kendra's associated with the NICRA project of Uttar Pradesh. Dr. Atar Singh, Director ICAR-ATARI Kanpur welcomed everyone and said that Krishi Vigyan Kendra should focus on the current *Kharif 2020* and *Rabi 2020-21* season and make a video film which is of 10-12 minutes in duration. All KVKs shall have a budget made available for the video film. They were also suggested to get the video made through a professional.

Guidelines for making videos have been sent to all KVKs in the past which are to be followed while making the video films. If a professional vendor related to the making of the video is associated with the university, then it would be better to work through them.

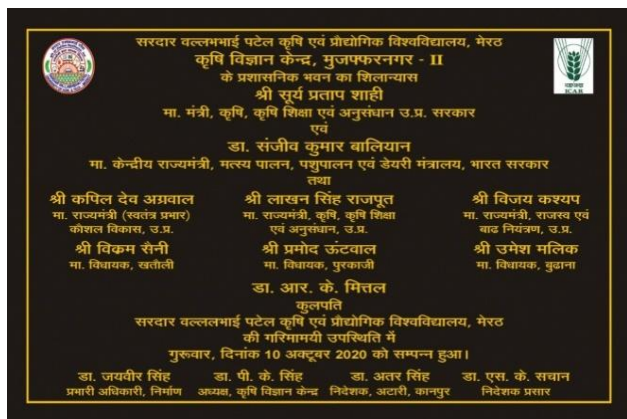
Dr. JVNS Prasad of ICAR-CRIDA Hyderabad said that monitoring of NICRA project is being done by the High Level Committee of NICRA KVKs, therefore, should prepare a good quality video film to show the success of the NICRA project. The resolution of the video should be high definition and the format of the video should be MOV / MP4. Focus should be made on climate vulnerability of district and village. All the technical components and demonstrations done in the village should be included. The effect of technologies in villages and how the effects of climate change and vulnerability have been helpful to reduce through technology should also be shown. There must be script in English in advance and subtitles also. The farmer conversation should be kept in Hindi but subtitled in English. If there has been a flood or severe heat, then show how its effect has been reduced due to NICRA interventions. As much as possible, the *Kharif* crop should be included from October month and the *rabi* season should also be included starting with land preparation, sowing and crop growth. All these guidelines have been sent to KVKs and example has also emailed to every KVKs under the project. The next review meeting of the work done by Krishi Vigyan Kendra's for given task will be held in First week of November 2020.



[Foundation stone laying ceremony of the administrative building of KVK Muzaffarnagar-II](#)

On 10th October 2020 Laying the foundation stone of the administrative building of Krishi Vigyan Kendra Muzaffar Nagar-II was done by Shri Surya Pratap Shahi, Hon'ble Minister for Agricultural Education and Research, Government of Uttar Pradesh and Dr. Sanjeev Balyan, Union Minister of State for Fisheries, Animal Husbandry and Dairy, GOI. On this occasion, Honorable Kapil Dev Agarwal, Minister of State, Independent Charge of Skill Development, UP, Hon'ble Lakhan Singh Rajput, Minister of State for Agriculture, UP, Honorable Vijay Kashyap, Minister of State for Revenue and Flood Control, Local MLA, Dr. R.K. Mittal-Vice Chancellor Sardar Vallabhbhai Patel Agriculture and Technology University Meerut, Director Extension Dr. S.K. Sachan, Director ICAR-ATARI Dr. Atar Singh, Dr. P.K. Singh Head of KVK Muzaffarnagar-II and other scientists were present. Honorable Surya Pratap Shahi ji said that the Government of India gave approval to 20 new Krishi Vigyan Kendras in Uttar Pradesh in 2015-16. Uttar Pradesh government has made land available to 20 Krishi Vigyan Kendras on priority basis and all Krishi Vigyan Kendras have been implemented.





Review meeting of CFLD Pulses

On 13th October 2020 Review meeting of KVKs under CFLD Pulses project was organized. In which Dr. S.K. Malhotra, Agriculture Commissioner, Government of India, Dr. V.P. Chahal ADG ICAR New Delhi, Dr. SS Tomar Assistant Commissioner and ATARI Directors of all zones attended the meeting. Dr. Atar Singh-Director ICAR-ATARI Kanpur attended the meeting.

Agriculture Commissioner Dr. S.K. Malhotra discussed all ATARI Directors for CFLD. Seek the target given under the pulses project, and demonstrations laid one and budget spent. The ICAR-ATARI Directors presented progress made of the demonstrations conducted by KVK and explained the budget problems.

Dr. Atar Singh, Director ICAR-ATARI Kanpur presented progress and told that the KVKs which have not been able to meet the *Kharif* target their remaining area covered to the Rabi season.

Webinar on World Food Day and 75th anniversary of FAO

On 16th October 2020, a Webinar was organized on the occasion of World Food Day and the 75th anniversary of the Food and Agriculture Organization of the United Nations (FAO). Honorable Prime Minister Shri Narendra Modi released a commemorative coin of 75 rupees on the occasion. In addition, he also dedicated 17 bio-fortified varieties of eight crops developed recently to the nation. The goal of FAO is to ensure adequate quality food to people regularly so that they remain active and healthy. The FAO's task is to raise the level of nutrition, improve the life of the rural population and contribute to the growth of the world economy.

Addressing the event organized through video conference, the Hon'ble Prime Minister said that the farmers, agricultural scientists, Anganwadi-Asha workers of India are the basis of the movement against malnutrition. While they have filled the granary of India with their hard work, they are also helping the government in reaching far and wide, poorest of the poor. He said, "It is because of all these efforts that India is fighting a strong fight against malnutrition even in this crisis of Corona."

The Prime Minister referred to India's contribution to the World Food Program (WFP), referring to being awarded the 2020 Nobel Peace Prize. He made everyone aware of the role of India's Administrative Service Officer Binay Ranjan Sen in it. Sen served as director general of the FAO from 1956 to 1967. It was only during Sen's tenure that the World Food Program was established.

Honorable Union Agriculture Minister Shri Narendra Singh Tomar, Hon'ble Women and Child Development Minister Smriti Irani, Honorable Minister of State for Agriculture Shri Purushottam Rupala and Shri Kailash Chaudhary also participated in the program. Scientists from all over the country, Krishi Vigyan Kendras and people associated with organic and horticulture campaigns also participated in the program.



Visit of IMC Members

18-10-2020

On 18th October 2020 Shri Balram Singh Kachchava ji IMC member of ICAR-ATARI Kanpur visited. Dr Atar Singh Director ICAR-ATARI Kanpur given brief about the organization and activities are being conducted by the KVKs of Uttar Pradesh. Dr. Atar Singh also introduced to all the staff to him.

A warm welcome given to him on this auspicious occasion. He also assured full support for the Institute management.



25-11-2020

On 25th November 2020 Dr Ramakant Sharma ji IMC member Visited ICAR-ATARI Kanpur. First of all Director ICAR-ATARI Kanpur introduced him with the staff. He also conveyed the good wishes to work for the betterment of the Institution. He was happy to meet the staff and telling first time this type of working with Institute. He assured all kind of support to ICAR-ATARI Kanpur.



Webinar on Crop Residue Management

On 28th October 2020, ICAR-ATARI, Zone-III organized a webinar meeting on Paddy Residue management by different technologies in the chairmanship of Dr. A.K Singh DDG (AE), Dr. V.P. Chahal and Dr. Randhir Singh, ADG (AE) were present as expert, in this meeting more than 200 scientist taken part. Chief Guest Dr. A.K. Singh, DDG (AE) ICAR welcomed everyone to the webinar and suggested that short videos of the work done should be put on the KVK portal and the successful technology should be conveyed to the farmers. He also stated about the disadvantages of burning residue of Paddy straw through Krishi Vigyan Kendras. This is managed by machines, the water conservation can be increased and adding carbon in the soil. Its result should be shown to the farmers during exposure visits in order to make more farmers aware for beneficial results. Under crop residue management 63 districts KVKs of Punjab, Haryana and western Uttar Pradesh are working in this direction and soil health analysis is very important.

Dr. Rajbir Singh Director ICAR-ATARI, Ludhiana gave presentation on some machine like Happy Seeder, Supper Seeder, Mulcher, Baler, Chopper etc., the added advantage on soil productivity increase, Reduction in air pollution & cost of cultivation, Suppressing the weeds and enhancing the crop yield. The other activities to popularize the technologies.

Dr. Randhir Singh said that Expert Panel has Suggested planning of the crop residue management by all technologies are good, Pusa Decomposer is very good option of the management of crop residue but planning variety wise and region wise. The residue incorporating time is 20-25 days only. The combine harvesting field sowing by happy seeder, for ex-situ management who is the buyer the strategy should be in complete chain. The residue 100% management or up to what extent be clarified to the farmers.

Dr. V.P Chahal appreciated the presentations of all scientist. The awareness programme i.e; Kisan Mela, Posters, Nukkad Natak, Prabhat pheries and other activities should be done by the KVKs and other organizations.

Dr. Raghwendra Singh thanks to all participants and experts for management of crop residue.



59th Foundation Day celebrations of ICAR-IGFRI Jhansi

The 59th Foundation Day Celebration of ICAR-Indian Grassland and Fodder Research Institute Jhansi was organized on 01 November 2020. More than 100 scientists attended the event on the occasion.

Chief Guest Dr. Trilochan Mohapatra Secretary DARE and Director General ICAR New Delhi gave information about the achievements and called for future challenges. He said that the Crop Improvement Action Plan should be given to the Animal Husbandry Department. Demonstrations are being organized through KVK. He discussed the factor, entrepreneurship model and production of Animal Husbandry Infrastructure Development Fund and said that the remaining feed of the small farmer should be used to make hay or silage. Rural youth are being trained through Krishi Vigyan Kendras. Development of barren land is required. One should make a model of granule / fodder / dry fodder which reaches the door of the farmers as per the requirement. There is a need to integrate mobile apps in collaboration with information extension technology. People should access all information through the app. The farmer can see all the necessary information. 30-40 videos can be given to farmers for dissemination of technology.

IGFRI Jhansi Director Dr. V.K. Yadav welcomed everyone with the presentation of the achievements and action plan of the institute. On this occasion, Dr. Arvind Kumar, Vice Chancellor RLBCAU, Jhansi was a special guest. Dr. TR Sharma Deputy Director General (Crop Science) ICAR New Delhi presided over the program. At the end Dr. Purushottam Sharma thanked all the guests.



SAC Meetings organized

SAC Meetings of Budaun I & II : On 09th November 2020, a meeting of the Scientific Advisory Committee of Krishi Vigyan Kendra Budaun I and Budaun II was organized by ICAR-ATARI Zone-III Kanpur. In the meeting, KVK Budaun-I and Budaun-II scientists presented the progress report and action plan 2021. On September 9, the Honorable Minister of State for Agriculture had a meeting with ATARI in which it was decided that Krishi Vigyan Kendras should create Facebook page in view of Covid-19. An online meeting should be held.

Grain which is high in calcium, zinc and iron should be promoted. How to become a smart village? by 2022. Prime Minister aims to double the income of farmers. How the income of farmers may be doubled, what will be special in Smart Village, it needs to be analyzed. Farmers Producer Organization (FPO) information must be given by Krishi Vigyan Kendras, flow charts should be made and its information should also be passed on to the farmers.

Meeting on 3rd party Evaluation

SAC Meeting of KVK Lucknow : On 18th December 2020 Director ICAR-ATARI Kanpur participated in SAC meeting of KVK Lucknow as Guest of honor. In this meeting Director ICAR-CISH Dr. S. Rajan was the Chief guest. The meeting was chaired by Dr A D Pathak ji, Dr V K Mishra Head CSSRIRS, Lucknow, state Government official ie. Dy. Director Agriculture, DAO, CVO, DHO, PPO, Regional Manager NSC, Regional manager IFFCO, Heads of Division IISR, Farmer's members and KVK staff were present in the meeting.

The excellent presentation was Given by Dr A K Dubey Head KVK on progress 2020 and Annual Action Plan 2021 was discussed in length and the valuable suggestions were given by members. The meeting was conveyed by Dr S N Singh, PS (Agro.). The meeting ended by Dr Deepak Rai with vote of thanks.



SAC Meetings of KKV Mahoba was organized on 20th October 2020 and SAC of KVK Etah was organized on 24th October 2020.



On 12th November 2020 a meeting was conducted on 3rd Party Evaluation in the chairmanship of DDG (AE) in this meeting Dr. VV Sadamate, Representative from Indian Society of Agri-business professionals, Director of ICAR-ATARI's and others participated in the meeting. DDG told that the proforma provided to KVKs, ICAR-ATARI, line department for providing the information may be made available by 16th Nov 2020 because NITI Ayog needed this information for EFC document.

- DDG emphasized to provide 3-4 successful cases such a large scale adaptation etc must be collected and handover.
- He focused on financial crunch from the Director Finance, the limited funds therefore this should taken care.
- The video conference should not be over otherwise farmers may not be in position to adopt the technology.
- In every meeting the awareness should be given to the farmers on the 3 Agriculture bills passed by Govt of India.
- In the training programmes the farm machinery must be popularized and discussed.
- The mobile apps like Kisan Rath & Farm App may be popularized among the farmers.
- There is a need to highlight new machines used by KVKs through ATARIs for good cases.
- The short videos (2 to 2.5 minutes) must be kept on institute website video gallery, same may be kept on KVK portal and ICAR Portal too.
- The common service center (3.5 Lakh) where 1 lakh farmers are registered, they can interact with KVK experts, therefore, KVKs must register themselves.
- Under Lab to Land programme one IFS Model developed at each KVKs and same may be replicated at the farmers field which is most ideal one.
- There is need to use different platforms on regular basis for farms, farm machinery solutions, custom hiring centers focused to 2.5 Lakh farmers by 2020.
- There is need to put video films on Agriculture Machinery in each quarter 3 videos per zone for DD Channel and Kisan Channel etc for promoting different innovations and technologies.
- Auto response system for Rapid delivery may be utilized in the name of Kisan Sarthi app.

- There are 50 IFS modules on Agro-climate zones basis kept on ICAR website. They may be copied and given to KVKs.
- There is common platform for Farmers Fairs annually for interaction with scientist, industry and other organizations. There is need to keep in touch with Nodal Institute in UP as IISR Lucknow UP.
- Commodity based whatsapp groups can be developed, for example fisheries and Animal husbandry etc. and each group can add 256 members.
- There is need to collect another 20 farmers details (Name, address, mobile numbers) from nearby, away area, small, medium, large and SC/ST farmers representations from whole district.

MID TERM REVIEW WORKSHOP OF KVKs SVPUAT, MEERUT

The two days Midterm review workshop of KVKs was held during November 25-26th, 2020 at Directorate of Extension, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut. The workshop was inaugurated by Prof. R.K. Mittal, Hon'ble Vice-Chancellor, SVPUAT, Meerut. Workshop started with the welcome address by Director Extension, Dr. S.K. Sachan. The workshop was attended by Dr. S.K. Dubey, Principal Scientist, ICAR-ATARI, Kanpur, Director Research, Dean of different Colleges, Heads of various departments and all the Head/OICs of KVKs (20 KVKs of SVPUAT and one KVK of IVRI, Bareilly).

Prof. R.K. Mittal, Hon'ble Vice-chancellor in his presidential speech, emphasized that all the KVK should maintain their land record properly and maximum land must be utilized. Hon'ble Vice-chancellor praised the university KVKs for their functioning and advised to maintain farm yield at sustainable level. According to Hon'ble Vice-chancellor university KVKs are doing well in Crop Residue Management project leading to reduction in the residue burning and we should concentrate production & availability on seed distribution. Crop cafeteria must be in place with university varieties. Hon'ble Vice Chancellor stressed that nursery of vegetables and fruits should be at KVKs and protected cultivation and natural farming should also be promoted. He emphasized that KVK performance is excellent but we are not presenting our self for any award at national level and in future we must apply for various awards. Hon'ble Vice Chancellor said that the one – two cow at KVK must be for IFS module.

All KVKs website must be linked with university and update website from time to time.

Dr. S.K. Dubey, Principal Scientist, ICAR- ATARI, Kanpur reviewed the progress and called upon the KVK Heads for finalizing the action plan 2021 as per thrust area of their district and incorporating activities which can lead to doubling of farmers income by 2022. He appreciated the work done by KVK during COVID-19 inspite of several hindrances. Dr. Dubey emphasized that action plan should be technically verified from official of the university. Director Extension, Dr. S.K. Sachan informed that our KVKs are playing an important role in solving local agricultural problems. Further he stressed that still their is vast scope for agricultural production be harness with concerned efforts of scientists and developmental agencies.

The technical session included the presentation of progress report for six month (January-June 2020) and action plan for the year 2021.



RAC Meetings

ICAR-ATARI Kanpur hosted the Special Research Advisory Committee meeting during 6-7th November 2020. DDG Dr A K Singh was Chief guest and gave the opening remarks. Further this meeting was Chaired by Dr P Das as Committee chairman. In this committee respected members were Dr KM Bajrabarua, Dr. D P Ray, Dr R Prashad, Dr PK Joshi and Dr Randhir Singh. All ATARI Director and Principal Scientists, PI and CoPI were present. Eight thematic area such as ARYA, Pulses, Climate change, Gender and Nutrition, Crop residue management, DFI, ASPIRATIONAL districts and

Tribal areas based Research projects were presented and committee have viewed, guided with valuable suggestions for final approval. The meeting ended with vote of thanks by Dr. Randhir Singh. The member Secretary Dr M J Chandragauda ,Principal Scientist of ICAR-ATARI, Bangalore Coordinated the meeting.



On 21st November 2020 Special RAC meeting was held in the chairmanship of Dr P Das Former DDG (AE) with other members. The project proposals on tribal program, Climate Resilient Agriculture and Doubling farmer's income were discussed and guided by committee. The data repository of these projects will be power data. NAARM should develop capacity proposals. Training lab to field, methodology, communication, report and article writing etc. Based on 8 projects were developed having good reports with the contribution of KVKs, a mega event may be organized in which Prime Minister of government of India may be invited. Meeting ended with vote of thanks by Member Secretary.



Constitution Day celebration

On 26th November 2020 Constitution day was celebrated in ICAR-ATARI Kanpur. Staff of ICAR-ATARI Kanpur took oath. Observance of constitution day on 26th November 2020 to commemorate the adoption of the constitution of India.



ICAR Regional Management Committee-IV Meeting

On 27th November 2020, the Indian Council of Agricultural Research organized a Meeting of the Regional Management Committee of the states of Uttar Pradesh, Bihar and Jharkhand. Dr. Atar Singh, Director-ICAR-ATARI, Kanpur gave this information. In the meeting, the recommendations of the previous meeting and the status of action taken were reviewed. In the inaugural session of the workshop, Shri Narendra Singh Tomar ji, Hon'ble Minister of Agriculture, Government of India said that the Government of India is working in this direction to further progress in agriculture sector and generate employment. Through the Indian Council of Agricultural Research, good work is being done in the promotion of agricultural education. State agricultural universities, ICAR institutes, Krishi Vigyan Kendras' scientists are engaged in addressing the challenges of the agricultural sector.

On this occasion, Agriculture Minister of Uttar Pradesh, Mr. Surya Pratap Shahi Ji said that in Uttar Pradesh, seed replacement is poor. In this direction, efforts have been made through the departments to increase the seed replacement rate in the state. UP in the last years Productivity has increased significantly. Uttar Pradesh has also been awarded by the Prime Minister in food production.

In the meeting, Secretary DARE and Director General ICAR Dr. Trilochan Mohapatra said that the recommendations of the IMC presented by IIVR, Varanasi, institute were reviewed from ICAR institutes

The Director General said that the demand for organic food has increased throughout the world. Congratulations to all for the export of more than 30 percent during the period of Covid-19. The call of Hon'ble Prime Minister is that by 2022, the farmers' income has to double. There is not much time left in this. We have to document the success story of farmers so that in 2022 we can tell the country how we have been able to double the income of farmers.

Shri Narendra Singh Tomar, Honorable Minister of Agriculture & Farmers welfare, Government of India was the Chief Guest, Union Minister of State for Agriculture & Farmers welfare Shri Purushottam Rupala, Secretary DARE and Director General of ICAR, Dr. Trilochan Mohapatra, All Deputy Director General, Assistant Director General, Director of ICAR institutes, ICAR-ATARI Director of Zone III & IV, Vice Chancellor of State Agricultural Universities, Agriculture Secretary and Agriculture Officer from all three states, total of 180 people including scientists participated in the workshop online.

At the end of inauguration session, Dr. A.K. Singh Deputy Director General (Agricultural Extension) extended vote of thanks to everyone.



Midterm Review workshop of KVKs CSAUAT Kanpur

On December 10th, 2020, two-days Midterm review workshop of Krishi Vigyan Kendra in ICAR Zone-III, Kanpur was inaugurated by Chief Guest Dr. D.R. Singh, Hon'ble Vice Chancellor, Chandrashekhar Azad University of Agriculture and Technology, Kanpur. On this occasion, the Vice Chancellor honored the progressive farmer Mr. Raghupat Singh of Moradabad district and Mr. Vigyan Shukla, farmer of Banda district.

On this occasion, the Honorable Vice Chancellor said that Krishi Vigyan Kendras are discussed at the country level. Krishi Vigyan Kendras

have worked actively during the epidemic. Today, the economy has reached negative during the epidemic in the world, while the growth rate of Indian agriculture was 3.5%. For this, KVK has acted like a backbone. Kharif sowing increased by 8% to 9%. Wheat production also increased during last year and even in Kanpur region it grew by 12 to 16%. There was no shortage of laborers, so the area under sown crop increased. Work was also done through online medium. During the Covid-19 period, special issues were also discussed online and solutions were worked out. Work was also given under MNREGA by training to migrant laborers. KVKs are institutions that are recognized at the country level, any major work related to agriculture is first given to Krishi Vigyan Kendras. Krishi Vigyan Kendras are directly connected to farmers. We aim to double farmers' income by 2022. KVKs should Identify 5-6 innovative farmers from each district. The innovations that have taken place in agriculture should also be compiled. The younger generation is being drawn towards agriculture through ARYA Project. Women are also being encouraged in agriculture.

Dr. Atar Singh, Director, ICAR-ATARI Kanpur, welcomed the Chief Guest Vice Chancellor and other experts and said that the Krishi Vigyan Kendras did a commendable job during the lockdown period and after the lockdown opened.

Dr. Shantanu Kumar Dubey, Principal Scientist welcomed everyone in the inaugural session. At the conclusion of the inaugural session, Principal Scientist Dr. Raghavendra Singh thanked everyone.

ICAR-ATARI Kanpur Director Dr. Atar Singh, Principal Scientist Dr. Sadhana Pandey, Dr. Shantanu Kumar Dubey, Dr. Raghavendra Singh, Director Extensions & KVK Heads of CSA Kanpur, Banda University of Agriculture and Technology and N.G.O. and other experts were present.



Swachhta Pakhwada Celebration

On 16th December 2020 ICAR-ATARI Kanpur staff took oath on Swachhta Pakhawada and planted a Jackfruit plant in the office. Cleaning of ATARI Campus was done by staff each day 4:30 to 5:00 PM.



Inauguration ceremony of the administrative building at ICAR-NIASM, Baramati

On 16th December 2020 The inauguration ceremony of the administrative building was held at ICAR-National Institute of Abiotic Stress Management, Baramati, Maharashtra, Dr. Atar Singh, Director, ICAR-ATARI, Kanpur informed.

On this occasion, Honorable Minister of State for Agriculture congratulated the scientists of the institute and thanked Honorable Minister of Agriculture Shri Narendra Singh Tomar. All projects are being completed by the guidelines of Honorable Minister. This building has been designed very beautifully keeping in mind all the requirements and facilities. Abiotic stress management is a big issue in front of us. Excess of heat, low water, irregular cycle of the weather are facing all these problems. Agriculture and allied industries like animal husbandry and fisheries are also adversely affected. This institute will do research in this direction and the efforts are being made to find a solution, which will give a lot of benefit to the farmers of the country.

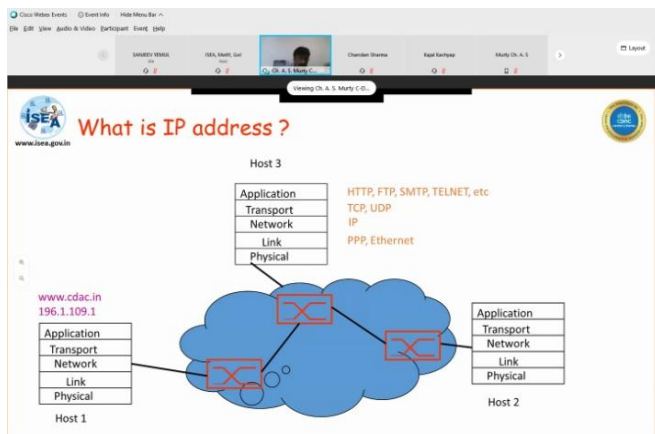
Secretary DARE and Director General ICAR Dr. Trilochan Mohapatra said that this institute was created with the aim of researching the abiotic stress caused by climate change and to introduce new technology to the country. The administrative building of the institute is 5,755 sq.m. Spreads over and is 2 storeys. It also has a 270 capacity auditorium. Conference hall, committee room and library and canteen are also in the building. The building is circular having open auditorium.

Hon'ble Union Minister of State for Agriculture Shri Purushottam Rupala, Shri Kailash Chaudhary, Hon'ble MP Smt. Supriya Sule, Secretary DARE and Director General ICAR Dr. Trilochan Mohapatra, Dr. A.K. Singh-DDG(AE), Dr. Atar Singh-Director ICAR-ATARI Kanpur and Directors and scientists of all ICAR institutes were present. At the end of the program, Dr. Himanshu Pathak, Director of ICAR-National Institute of Abiotic Stress Management, voted thanked everyone.



Meeting on Cyber Security

On 16th December 2020 a meeting on Cyber Security was organized in which CTO Shri S.N. Yemul Participated.



Meeting to finalize the program of training for fisheries through KVKs

On 22nd December 2020, a meeting was organized to finalize the proposed training program for training of SMS Fisheries and Animal science by KVKs in collaboration with ICAR and National Fisheries Development Board in which the Heads of more than 600 Krishi Vigyan Kendra and related SMSs took part; Dr. Atar Singh-Director ICAR-ATARI, Kanpur gave this information.

Dr. Trilochan Mohapatra, Secretary DARE and Director General ICAR said that our objective is to increase the income of fishermen in the field of fisheries. In this direction, let our experiences speed up the farmers faster. Additional funds are being provided to Krishi Vigyan Kendras. One lakh farmers can be benefitted. Through the new Krishi mobile app, up to 70 lakh farmers have been associated with Krishi Vigyan Kendras and other departments and are getting benefits. Our main objective is to increase production and productivity in the fisheries sector. Information about fisheries should be provided to farmers through Krishi Vigyan Kendras. For this, use online medium. KVK has to report regularly and reach out to all. Reaching the fisheries by networking them for hapless, and quality foods, for the Prime Minister's program on 25 December.

Dr. Rajiv Ranjan, Secretary Fisheries Department said that India is the second largest fishery producer in the world. 1.24% of fishery contributes to the gross domestic product while agriculture contributes 7.25%. India is a leader in sea food. Krishi Vigyan Kendras will be trained creating master trainers so that they can further train the farmers. There is a target of 1 lakh crores of income augmentation. Through the Prime Minister Matsya Sampada Yojana, blue revolution is brought in the field of fisheries by strengthening the infrastructure and India is producing 9 billion US dollars.

Dr. J.K. Jena, Deputy Director General (Fisheries) said that the yield should be increased from 5% to 7%. In the Pradhan Mantri Matsya Sampada Yojana, funds of Rs 2000 crore have been provided. The Government of India has a target of producing 8 million tonnes in the next 5 years. There should be rapid development of fisheries in the country through the scheme. There is a need to work on fish bait research, adoption of new techniques. There are opportunities to increase quality and production in collaboration with KVKs.

Krishi Vigyan Kendras have an important role in communicating the message to the villagers in the regional language. Technology will be disseminated to 10 lakh farmers through 500 Krishi Vigyan Kendras. The National Fisheries Development Board will conduct online training which will be further reported through the fisheries and animal husbandry scientists and agricultural scientists.

On this occasion, Dr. Rajiv Ranjan, Secretary Fisheries Department, Dr. Trilochan Mohapatra Secretary DARE and Director General ICAR, Dr. J.K. Jena DDG (Fisheries), Dr. A.K. Singh DDG (Agricultural Extension), ADGs, Dr. Atar Singh Director ICAR-ATARI Kanpur and all ATARI Directors and heads of KVKs were present.

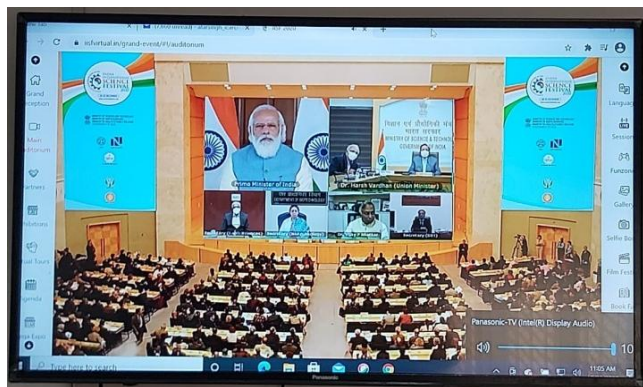


Address by Honorable Prime Minister at the inauguration of IISF 2020

On 22nd December 2020, the Hon'ble Prime Minister Shri Narendra Modi addressed the scientists and academia at the inauguration of the India International Science Festival (IISF-2020). Dr. Atar Singh-Director ICAR-ATARI, Kanpur attended this programme.

Hon'ble Prime Minister said that in today's festival we are celebrating science. India has a golden past in

science and technology. Our scientists have made many important discoveries and inventions. Presently, more new scientists will emerge through the new education policy. With the change of schools, the Atal Innovation Mission has also been started. Under this, Atal Tinkering Labs are being prepared in various schools across the country which are proving to be the new playground for innovation. Through them, the infrastructure of science is being strengthened. More IITs and emphasis is being laid on building engineering colleges. Today, a large population of India has joined the smartphone based app. The number of Internet users in villages is more than cities. To further expand the Digital India scheme, PM Vani scheme has also been started. With this, quality WiFi for everyone in the whole country. Network will be available. Science is also the solution to many problems of our country like pollution. It is our endeavor that India emerge as the most trusted center for scientific education. Science and technology are incomplete until the general public gets the benefit of it. Hon'ble Prime Minister said that just as we have achieved success in the field of space, similarly we have to achieve success in the field of sea also. In this direction, India is running Mission Ocean. The Government of India is working here to improve the research environment of the country and to overcome the challenges. On this occasion, Krishi Vigyan Kendra also joined the program.



**INDIA
INTERNATIONAL
SCIENCE
FESTIVAL
2020**

Agriculture Session of IISF 2020

On 24th December 2020, under the auspices of the India International Science Festival 2020 - Agricultural Scientist Conference was organized. Important issues related to agriculture were discussed under the chairmanship of Dr. A.K. Singh, Deputy Director General (Agricultural Extension) ICAR. Dr. Atar Singh, Director ICAR-ATARI Kanpur participated in the session.

Dr. A.K. Singh, Deputy Director General (Agricultural Extension) said that in agriculture we have been growing at 10 percent per year for the last 30 years. GDP of Agriculture 7.5 percent. Progressive farmer of Sonipat Mr. Kamal Singh Chauhan has also made sweet corn, baby corn, mushroom, tomato very popular in the surrounding area, for which he has also been awarded the Padma Shri award by the Government of India. Our experts put forth their views and suggestions. Dr. Jena ji started talking about what is the contribution of fisheries production in gross value production, promoting dairy industry, Dr. Sandhu ji encouraged bio cultivation, gooseberry and soybean, Dr. Y.G. Prasad and Dr. Rajbir Singh presented innovative and innovative techniques of innovative farmers and gave their views and gave their suggestions for further, thank you for all of them.

Dr. J.K. Jena, Deputy Director General (Fisheries), talked about innovation for farmers to solve climate problem, improved varieties of crops, health of animals and more milk production.

Dr. J.S. Sandhu, Vice Chancellor, Shri Karna Narendra Agricultural University, Jobner, Rajasthan said that wheat has produced many varieties of zinc and iron. Soybean is a product that contains protein as well as oil. Hence, it is a double profitable product. Water harvesting structures are being built in the state of Rajasthan in water conservation and micro irrigation is popular.

Dr. Rajbir Singh, Director ICAR-ATARI Ludhiana presented innovations of various farmers, he told that the farmer Mr. Harbir Singh has prepared an eco-friendly high-tech vegetable nursery, Padma Shri award honored farmer Mr. Narendra Singh has raised cattle and many high breeds of buffalo, Mr. Sultan Singh has innovated fisheries, apple producer Mr. Harnam Sharma has also grown apples in 44 ° C temperature. Dilbar Singh of Ropar district established a bio-gas plant to solve the problem of cow dung.

To encourage more of these farmers and innovations, more funds are required at the State Agricultural University and Institute level. To give more encouragement to innovative farmers, many awards are being given at the national level, but more awards are needed at small level through which innovative farmers can be further encouraged.

At the end of the session there was a question-and-answer session in which the members asked their questions, which were answered by the experts. The session was chaired by Dr. A.K. Singh, Deputy Director General (Agricultural Extension). Dr. J.K. Jena Deputy Director General (Fisheries), Dr. JS Sandhu (Vice Chancellor), Dr. B.N. Tripathi (DDG-Animal Sciences), Dr. Rajbir Singh (Director, ICAR-ATARI Ludhiana), Dr. Y.G. Prasad (Director CICR Nagpur), Dr. Keshav, Dr. Atar Singh, Director ICAR-ATARI Kanpur, Heads of Krishi Vigyan Kendras, scientists, farmers and students were present in the program.



Transfer of Prime Minister Kisan Samman Nidhi to the account of farmers by the Hon'ble Prime Minister

On 25th December 2020, the Kisan Samman Nidhi was transferred to the account of farmers by the Honorable Prime Minister Shri Narendra Modi. Honorable Minister of Agriculture and Farmers Welfare Shri Narendra Singh Tomar was also present on the occasion. Respected Prime Minister said that today 18 thousand crore rupees were transferred to the account of farmers. About 11 crore 40 lakh farmers have benefited from this scheme. 4200 crore rupees will also be given to West Bengal. The Honorable Minister requested the Government of West Bengal for this.

8 crore 2 lakh people were directly associated with this program, thanking all these people. 18000 crore rupees were directly transferred to the farmers' account. Hon'ble Prime Minister also held discussions with various farmers of 6 states and also inquired

about the types of farming they do, what is the system of execution of the products, etc.

On 25th December, this program is being done on the birthday of former Prime Minister Atal Bihari Bajpai ji. Atal ji did many good works in the interest of poor and farmers. The Center used to give money to the farmers even before, but that money did not reach the farmers. It is believed that at that time only 10 paise could reach the farmers. But today, through technology, the entire amount reaches the farmers' account directly.

On this occasion, scientists and farmers of all agricultural science centers of Uttar Pradesh, Director of ICAR-ATARI Kanpur Dr. Atar Singh and other scientists were also directly involved in the program.



MID TERM REVIEW WORKSHOP OF KVKs, NDUAT, AYODHYA

Virtual Midterm review workshop of KVKs under NDUAT, Ayodhya area jurisdiction was organized on 29-30th December 2020.

Midterm workshop started on scheduled time with the welcome remarks of Director Extension ANDUAT Kumarganj, Ayodhya Prof A.P. Rao. After that Director ICAR-ATARI Kanpur put his expectations from KVKs . Dr. S.K. Dubey PS ICAR-ATARI Kanpur gave his opinion about the workshop and instructed KVKs for achieving the target. Technical session 1st was chaired by Prof. A.P. Rao and facilitated by Dr. Raghvender Singh, PS (Horti) ICAR-ATARI Kanpur and Dr. Sadhna Pandey, PS (Home Sc.). Convener was Dr. S.K. Tomar.



QUARTERLY PROGRESS REPORT
(October to December, 2020)

S. No.	Activities	Targets achieved
1	On- Farm Trials Conducted (Nos.)	81
2.	Frontline Demonstrations Conducted (Nos.)	5854
3.	No. of Farmers and farm women Trained (Nos.)	10574
4.	No. of Extension Personnel Trained(Nos.)	1493
5.	Production of Seeds (q)	9873.87
6.	Production of Planting materials (lakhs)	1.55
7.	Production of livestock strains and fingerlings (lakhs)	0.47
8.	Soil and water samples tested (Nos.)	1411
9.	No. of Soil health card issued by using Mini Soil Testing Kit (Nos.)	7025
10.	No. of Soil health card issued by using traditional Laboratory (Nos.)	475
11.	No. of Farmers provided mobile agro-advisory (lakhs)	4.39
12.	No. of Farmers participants and other stakeholder Benefitted/Awareness created through various Extension Activities (lakhs)	0.92

भाकृअनुप-कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान

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