



# ICAR-ATARI, Kanpur

## Newsletter

ICAR-AGRICULTURAL TECHNOLOGY APPLICATION RESEARCH INSTITUTE, KANPUR

An ISO 9001:2015 Certified Institute

Volume XVIII

January-March, 2020

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### Director's Desk



During this quarter, major mandated activities achieved such as technology assessment, frontline demonstrations, farmers trained, seed and planting material production, soil testing and distribution of soil health cards etc. To review the progress of the KVKs, QRT Team visited KVKs of IGKV, Raipur, JNKVV, Jabalpur, and RVSKVV, Gwalior (Madhya Pradesh). QRT final report has been submitted to the Chairman. First time, Farmers' Science Congress was organized at UAS, Bangalore. Farmers shared their experiences. The review meeting was organized for the on-going projects such as TSP/KSHAMTA, ARYA, Farmers FIRST and NICRA project. Foundation stone laying ceremony of new KVK Amroha inaugurated by Hon'ble Chief Minister of Government of U.P. Shri Yogi Aditya Nath ji and KVK Shamli inaugurated by Hon'ble Minister of Agriculture Education and Research, Government of Uttar Pradesh Shri Surya Pratap Shahi ji. First Preliminary RAC meeting was held at New Delhi under the chairmanship of Dr. P. Das, Former Ex DDG(AE), ICAR. High level monitoring meeting of CRM project was organized at New Delhi under the chairmanship of Dr Trilochan Mahopatra, Secretary DARE & DG ICAR, New Delhi for reviewing the work done on fortnightly basis. Skill training of trainers (ToT) was organized for master trainers of KVKs. International women days was organized by KVKs of the Zone. Video conferencing of Directors organized in the chairmanship of Secretary DARE and DG ICAR. XI<sup>th</sup> KVK National Conference was organized at New Delhi. Union Minister of Agriculture & Farmers Welfare, GOI Shri Narendra Singh Tomar addressed the conference. Secretary DARE and DG ICAR stated that hygienic majors and practices followed by staff and their families. He further drew the attention of the Directors for new ideas of global and national challenges, rationalized of equipment after saving majors such as micro-irrigation and promotion of paddy varieties as per the situation. Hon'ble Minister of Agriculture Shri Narendra Singh Tomar ji also emphasized on the indefensible roles played by the KVKs in the promotion of new and advance technologies among the farmers. He stated KVKs is the main source of communication between farmers, government, policy makers and agricultural scientists.

End of the quarter March 2020 was affected by COVID-19 in the entire country. Hence, KVKs activities reviewed by electronically means such as WhatsApp groups, Facebook, Zoom meeting, emails etc to facilitate KVKs as well as farmers for sanitizing guidelines which was issued by Government of India. KVKs facilitated to the farmers by working from home during the crop maturity and harvesting time of Rabi season crop. Convergence with the Vice Chancellors, Director Extensions and Head of KVKs done to look after the hardship of farmers and facilitating more and more through advisories and still it is continuing.

- Atar Singh

## Participation in QRT Meetings at KVK Raipur, Indore, Ujjain & Bhopal

Director ICAR-ATARI, Kanpur participated in QRT meeting held at IGKVV, Raipur on 5.01.2020. QRT team has discussed regarding financial related issues for the QRT recommendations as meaningful and purposeful for better functioning of KVKs in the State. The main agenda of the meeting was discussed on the financial management of KVKs. The financial status of Revolving Fund (RF), bank account operation of the KVKs, delegation of administrative and financial powers to the KVK Heads. The main aim of the Quinquennial Review Team (QRT) was to visit at different KVKs and interact with different University & KVK Officials and interact with the other responsible officials related to KVK scheme in the state. To evaluate the innovative extension methodologies developed and the procedures adopted by the KVKs to prioritize, monitor and assess the impact of programme, a road map was prepared for UP, MP & Chhattishgarh. On 5<sup>th</sup> Jan., 2020, QRT team visited the KVK Dhantari and Gram Panchayat puri where Makhana and Mushroom related activities are there in the field as well as villages. Five thousands ha area under water logging may be used by this cultivation. KVK also producing the seeds of Makhana and Paddy. In the evening, we have visited KVK Kanker. The hatchery units at village level under ARYA project was highly appreciated, similarly the IFS model of vegetable cultivation is very well equipped in group farming.

### Indore, Ujjain & Bhopal

The impact of KVK for the selected technologies highlighted in terms of output, outcome, horizontal spread, large scale technology adoption, extrapolation (anticipated production and income gain because of the yield advantages) and overall impact in the district, the status of revolving fund for the period. Success stories and cases of innovator farmers of the district highlighted with significant results of CFLDs. The main agenda of the meeting was discussed on the financial management of KVKs. The main aim of the Quinquennial Review Team (QRT) which was constituted for the respective Zone which were visited at different KVKs and will interact with different

University & KVK officials and interact with the other responsible officials related to KVK scheme in the state. Welcoming of QRT Member & formal introductory session with all KVKs and University officials; and ATARI officials followed by presentation of all the KVKs



## Participation in Farmers Science Congress

Director ICAR-ATARI, Kanpur participated Farmers Science Congress, UAS, Bangalore” held on 6<sup>th</sup> January, 2020. In the Farmers Science Congress, three Technical Sessions were organized. Technical-1 theme on *Farmers innovation on integrated agriculture and entrepreneurship for doubling farmers income and presentation made different topics on Seed to Seed Mechanization in Rice, Onion seed production under minimum water availability in district Jalna, Multi tool for vegetable cultivation, greengram threshing roller, low cost poultry incubator from scrap cooking equipment, value added products from red cherry pepper, smart piggery: franchisee network model of agri Business development, Sustainable stall feeding goat farming, Entrepreneurship from millet based processing and value addition, areca tea: new avenues for income generation, Innovative pickle making unit.*

Technical Session II conducted theme on *Climate change, Bio-diversity, conservation, ecosystem services & Farmers empowerment and presentation made on the topic on Viable Natural Farming Model,*

Cultivation of multiple crops in organic farming, Annual Moringa Cultivation under drip fertigation, marketing of Organic Products: Experiences through FPO, Crop diversification for sustainable income, Ways toward profitable family, Diversification in temperate horticulture, Livestock based IFS, Bee keeping for honey processing and bee therapy, Food forest natural farming, versatile tools for groundwater assessment, managing FPOs in coffee based farming system. Technical Session III – Panel Discussion theme on *Agrarian distress, rural bio-entrepreneurship, policy issues discussion* was made with the Directors of ICAR-ATARIs. Shri Singireddy Niranjan Reddy, Minister for Agriculture, Government of Telangana was the Chief Guest of the Valedictory Session.



### SAC Meeting of KVK Firozabad

Director ICAR-ATARI, Kanpur Participated SAC meeting held at KVK, Firozabad on 13<sup>th</sup> January, 2020. The main focus of the SAC meeting was to review the work done during last one year and AAP for 2020. The latest High yielding varieties and technologies should be taken under FLDs/OFTs. The Head of KVK along with SMSs presented the achievements 2019-20 and action plan 2020. The suggestions were made by the members incorporating in the action plan, training, trials, FLDs, crop cafeteria, seed production at KVK farm.. The action taken reports of last SAC meeting has been approved in the meeting. It was suggested to the farmers that organic farming should be used in the field to enhance the production. The soil should be tested before use of fertilizer under FLD & OFT. The same should be linked with CFLDs/OFTs for reducing the cost of production. Farmer should use sprinkler method for irrigation because of dark zone. It was suggested that Scientists should converged

with line department for transfer the technological models developed by the KVK to the farmers. Short duration varieties should be adopted. The organic farming produce should be linked with market, dairy, mushroom goatery, honey bee production should be linked with FPOs for benefitting the farmers.



### ATARI organised review workshops TSP/KSHAMTA Project



The Review and action plan workshop of TSP/KSHAMTA was organized at ICAR-ATARI, Zone-III, Kanpur, on 16 January 2020. Eight KVKs, four from the bundelkhand zone, one from the Vindhyan zone, one from the north eastern plain zone and two from Bhabar and tarai zone of UP participated in the workshop. Director, ICAR-ATARI, Kanpur shared his views and expectations from KVKs for developing the realistic need based action plan and Plan based interventions. He also expressed that tribal rural livelihood is different so the interventions to be indentified accordingly and quality planting materials for enhancing tribals' livelihood and standard of living. Similarly, goatery, fisheries for checking migration rural people and improving livelihood.

Other state KVKs have developed good models at village level and entrepreneurship was developed which can be replicated as a model at selected TSP village in UP. In beginning welcome address was given by Dr. S.K. Dubey PS (AE), highlighted TSP project has been instituted in the ICAR system with what purposes. Dr. N K Bajpai DE, BUAT, Banda also explained his views as TSP/KSHAMTA is a different scheme with the mandated activities of KVKs and programme basis discussion and the action plan of KVK Chitrakoot was appreciated. On this occasion, Dr. Sadhna Pandey, PS (HSE) and Dr. Raghwendra Singh, PS (Hort.) were present and gave their valuable for improvement the project execution/input.

### ARYA Project

The Review and action plan workshop of ARYA was organized at ICAR-ATARI, Zone-III, Kanpur, on 17 January 2020. Ten KVKs, of the Zone -III of UP participated in the workshop The welcome address was given by Dr. S.K. Dubey highlighted how ARYA has been designed and workout for rural youth to developed capacity for entrepreneurship development. Dr Sadhna Pandey, ICAR-ATARI, Kanpur also shared her views and expectations from KVKs for developing the action plan and Plan based entrepreneurship for attracting and retaining youths in agriculture. Dr. Pandey also expressed that rural livelihood is different for different classes, so the interventions to be identified accordingly and attract youth in agri based enterprises. Similarly, goatary, fisheries and apiculture, vermicomposting and other allied enterprise to attract youth for checking migration to be worked out. Dr. V. K Yadav Head (ABM), CSAUAT, Kanpur also expresses his view and said that ARYA is a different

scheme mandated for rural youth for entrepreneurship development and focused on thier alignment and motivational visit for entrepreneurs. On this occasion, Dr. S.P.S Tyagi, Professor (AH), CSAUAT, Kanpur explained his views that ARYA is not only a project it is also mandated to attract youth and sustainability of their agri-enterprises. Dr. Raghwendra Singh were presented the overall conclusion and given his valuable suggestions for improvements for project execution

### Farmers FIRST Project

The Review and action plan workshop of “Farmers FIRST Project” was organized at ICAR-ATARI, Zone-III, Kanpur, on 23rd January 2020. Seven ICAR institutes of Uttar Pradesh participated in this workshop. Director, ICAR-ATARI, Kanpur expressed the need for developing the purposeful action plan and plan based project interventions for benefits and income generation among farmers in system based interventions and technology demonstrated through ICAR institutions. He further said that impact analysis with few success stories to be documented. So that the policy makers may be convinced adequately.

Dr. O.P Singh, Member of ZPMC, expressed that the “Farmers FIRST Project given to only ICAR institutes because of better implementations and good expectation outcome from “Farmers FIRST Project” there is need to do the work based on technology application. Therefore, the interventions need to be identified accordingly. Shri Sethpal, an innovative farmer and Member of ZPMC, and recipient of Jagjivan Ram Abhinav Kisan Award expressed his views experiences about the project that this is a scheme mandated for farmers who are the FIRST and



needs the technology for upliftment of their agri production as well as income based agri system. Dr. Sadhana Pandey also shared her views on nutritional gardening among farmers practice to improve their nutritional imbalance through the gardening and horticulture based cropping systems.

Dr. Raghendra Singh given his valuable suggestions. In the Beginning the welcome address, introductory remark given by Dr. S.K. Dubey who highlighted how “Farmers FIRST Project” has been designed and planned for technological application by the researchers in respective areas of the state.



### NICRA Project

The Zonal Review Workshop of "National Innovations on Climate Resilient Agriculture" (NICRA) was organized at ICAR-ATARI, Kanpur, on 24th January 2020. Total thirteen KVKs participated in this workshop.

The Director ICAR-ATARI, Kanpur stated that vulnerability based intervention should be taken for drought, water logging, ground water depletion, salinity etc. The successful intervention should be highlighted to develop the resilient in crops, Natural resources, livestock and fisheries. The data should be linked with the climatic vulnerability. The case study should be submitted to the zone for the publication to convince the farmers, policy makers and researcher. The seed bank, fodder bank, custom hiring center for facilitating to more other farmers and more revolving fund generation.

Dr. Sadhana Pandey also shared her views on nutritional security in adopted villages under NICRA through introducing fortified varieties and kitchen garden.

Dr. S.K. Dubey gave emphasis on impact studies of the project and highlighting the outcome in form of project documents in form of success story, popular article etc. In the beginning the welcome address given by Dr. Raghendra Singh who appraised the house about inception of project with the aim to enhance resilience of Indian agriculture against climate change and climate vulnerability through strategic research and technology demonstration.



### Participation in Inauguration function of New KVK, Amroha

Laying Foundation Stone of new KVK, Amroha at Lok Bhawan, Lucknow which was inaugurated by the Hon'ble CM, Govt. of UP on 17<sup>th</sup> Jan., 2020. On this occasion, a Krisak Gosthi was organized. *The Chief Guest* urged to the Scientists that the latest technologies should be transferred from Lab to Land. It was suggested to the farmers that organic farming should be used in the field to enhance the production. *Farmer should use sprinkler method for irrigation because of dark zone.* It was urged the Scientists for latest technologies application models developed by the KVK to the farmers fields. In the beginning the Hon'ble Agriculture Minister, Govt. of UP highlighted the contribution of the farmers of UP for raising the production of cereals, pulses, oilseeds, sugarcane recovery into a great extent and agriculture achieving the record production of milk, fruits and vegetable. The number of sugar mills has reached to 226 in UP.

## Review of activities under CRM Project at Firozabad

Director ATARI, Kanpur visited KVK, Firozabad on 19<sup>th</sup> January, 2020 to review the activities of CRM and seen FLDs at farmers' fields in village Salempur, Jasrana block. The total 30 ha area covered by the farmers in zero tillage machine. Seeing the results of previous year farmer convinced that burning should be checked and machines should be used for managing the paddy residue in the fields. Discussion was held with Head, Scientists of KVK about delivery of machinery to the farmers.

Comprehensive IEC activities may be continued and weekly progress of achievements against targets may be uploaded in portal and monthly report may be presented in HLMC meeting. Short composite Video, impact of scheme, operation & maintenance and manufacturing of implements, advantages of CRM and farmers' reactions may be prepared and uploaded in website and passed to DD Kisan and Green TV. Variation in wheat yield among happy seeder sown FLD and conventionally sown FLD at farmers' fields may be assessed elaborately. Identifying villages, free from crop residue burning in the coming season for impact study. The paddy crop harvested straw was cutted by cutter machine after that mulcher should be used under late sown condition. At present, the wheat crop growth is very good and expected yield is 50-60 q/ha. I visited the farmers Shri Udai Pratap Singh, Shri Pratap Singh and Sunju Singh. The implements are available – reversible plough, Happy Seeder, Shrub master cum cutter, milcher. All machine purchased as proposed.

## Republic Day Celebration



On 26th January, 2020, in celebration of the 71st Republic Day, flag hoisting was done by Dr. Atar Singh, Director of the Institute. Subsequently, an address was given in which he congratulated all the officers and employees of the Institute. The Director said that we should take care of the country and the institution. It should maintain itself as per the rules made and the available natural resources should also be conserved. He apprised the importance and vision of Republic Day and asked to make a significant contribution to the nation building by taking a resolution as responsible citizen. In this program, Dr. S.K. Dubey, Shri SN Yemul, Shri RB Verma and other employees of the Institute were present. Welcome address was made by Dr. SK Dubey in which he greeted everyone on the 71st Republic Day. On this occasion, sports activities were organized by the institute in which the officers, employees and their family members of the institute participated.



## Selection Committee meeting of KVK Agra and Etah

Director ATARI Participated as a ICAR representative in the Selection Committee meeting for recruitment of KVK, Staff Agra & Etah on 27<sup>th</sup> & 28<sup>th</sup> January, 2020 at Office of Management Committee Room, RBS College, Khadari Farm, Agra. The Committee has reviewed the educational documents and conducted the Interviews of candidates for the different posts Heads KVK, SMSs and drivers at KVK, Agra & Etah for performing the works.

### First preliminary meeting of RAC

Director ATARI, Kanpur and all the three scientists of ATARI Kanpur participated in the First preliminary meeting of the Research Advisory Committee (RAC) of 11 ATARIs under the chairmanship of Dr.P.Das at New Delhi during 31 January and 1st February 2020. In this meeting DDG(AE), ADGs, Directors of ICAR-ATARIs, Principal Scientists, Dy. Secretary (AE), ICAR and other dignitaries were present. In the First Preliminary meeting, the Principal Scientists of ICAR-ATARIs presented the project proposals for approval.

### Stone Laying Ceremony at Shamli

Director ICAR-ATARI, Kanpur Participated in the Laying Foundation Stone of new KVK, Shamli which was inaugurated by the Hon'ble Minister of Agriculture, Agril. Education and Research, Govt. of UP, Shri Surya Pratap Shahi Ji on 8<sup>th</sup> Feb., 2020. On this occasion, a Krisak Gosthi was organized under the Chairmanship of the Hon'ble Minister of Agri., Govt. of UP. *The Chief Guest* urged to the Scientists that the latest technologies should be transferred from Lab to Land. It was suggested that farmers should use organic farming to enhance the production and income. *Farmer should use sprinkler method for irrigation because of dark zone. It was urged the Scientists for advance technologies application through Line Department should transfer models developed by the KVK to the farmers field.* In the beginning the Hon'ble Agriculture Minister, Govt. of UP highlighted the contribution of the farmers of UP for raising the production of cereals, pulses, oilseeds, sugarcane recovery into a great extent and agriculture is achieving the record production of milk, fruits and vegetable.



### Participation in the meeting on Rural women technology park at KVK-II, Sitapur

First Local Programme Advisory Committee Meeting of the DST project- Rural Women Technology Park was conducted successfully on 24<sup>th</sup> Feb, 2020 at KVK-II, Sitapur. Director ICAR-ATARI, Kanpur graced the occasion as chairman of the LPAC meeting committee. Dr. Kinkini Dasgupta and Dr. Tusha Agrawal were representative of the Department of Science & Technology from Vigyan Prasar, New Delhi. Dr. Shalini Singh Visen, Director, Agriculture Division, Amity University, Dr. Shalini Agrawal, BBAU, Lucknow, Dr. Safi Zameer, Mr. Akhilesh Panday, RSETI, Sitapur, Mr. Ravi Yadav, Next stage marketing, Sitapur were member of the committee. An exhibition to showcase various technologies of the Women Technology Park was also organised along with presentation of the progress report of the park. Inputs for backyard poultry and Certificates were given to project participants. The excellent interchange of thoughts and ideas happened, which definitely will help to enhance quality of life, decision making power, economical and social growth of the rural women.



### Participation in High Level Monitoring Committee

Participated in the High Level Monitoring Committee of the Central Sector Scheme on 'Promotion of Agricultural Mechanization for *in-situ* Management of Crop Residue in States of Punjab, Haryana, Uttar Pradesh, and NCT of Delhi on 11<sup>th</sup> Feb., 2020 in Secretary, DARE and DG, ICAR Committee Room, Krishi Bhawan, New Delhi.

The progress of the scheme was found satisfactory but lot more is desired, logo economic analysis, procurement of machines subsidy to the CHCs.. The Progress Report of IEC activities under CRM Project were reviewed on Awareness programmes conducted at village Panchayat/ Block/ District Level, Training Programme conducted, Kisan Melas organized, Mobilization of Schools and Colleges through essay competition, Demonstration conducted, exposure visits organized, advertisement in print media, column/articles in News Paper and magazines, Hoarding fixed, poster/banner placed, Publicity material- leaflets/pamphlets distributed, TV programmes/panel discussions Doordarshan/DD Kisan and other private channels, Jingles on radio/TV, Scroll message on TV and Audio Visual clips & wall writing.

It was emphasized to purchase the Happy Seeder, Paddy Straw Chopper/ shadder/ mulcher, Hydraulically Reversible M B Plough, Zero Till Drill, Rotavator etc KVK wise.



### Skill Training of Trainers (TOT)

ICAR-ATARI, Kanpur organized three days training programme with effect from 13-15 February, 2020 for the Master Trainers of KVKs & ICAR institutes of the country. Total, 45 master trainers attended this training programme who represented 25 areas of job roll of training. In his inaugural, address by Dr. S. K. Dubey briefed about the importance of programme in determining skills standards and development of National occupational standards by preparing skill inventory to facilitate individual choice and developing sector specific skill. It is also helpful for attracting youth & farmers to Agriculture based enterprises by formulating SHGs, FPOs etc. He further highlighted that only through such training programme entrepreneurship among the farmers can be developed either for self-employment or wage employment. On this occasion, Sh. Raj Kumar, Aman Gupta and Atul Srivastava from ASCI were the resource persons and gave an account of the skill training as per the scheduled programme for three days. Dr. Raghwendra Singh from ICAR-ATARI, Kanpur proposed vote of thanks.



### SAC Meeting at Gorakhpur-II

Director ICAR-ATARI, Kanpur participated in SAC meeting at KVK Goroakhpur-II on 13<sup>th</sup> Feb., 2020, Head alongwith SMSs of KVK, Chaukmafi, Gorakhpur presented the achievements 2019-20 and Action Plan 2020-21. The suggestions were made by the Hon'ble Members incorporating in the action plan. In the meeting, different issues were discussed on Animal Husbandry, Beekeeping, Horticulture, etc. It was emphasized that the



farmers should be adopted organic farming, soil testing and latest varieties for increasing the production. Discussion on doubling income of the farmers during 2022 was also made. Director also expressed that the hundred percent neem coating of urea has resulted in lowering expenditure on fertilizer, apart from raising productivity and also said that through the Pradhan Mantri Fasal Bima Yojana, premiums have been lowered.

## Review Activities of KVKs

### KVKs of Gorakhpur, Basti and Etawah

On 14<sup>th</sup> Feb., 2020, Director ATARI reviewed the activities of KVK, Gorakhpur-I and Basti and discussed with the Heads and Scientists of KVKs about the administrative, financial and technical issues of KVKs. It was highlighted that farmers adopt the mobile advisory services to upto date their knowledge and skill in the field of agriculture. It was appreciated for establishing the crop cafeteria, ICT laboratory, museum, Bee-keeping etc developed by KVK as the knowledge and resource centre of the district. The farmers be advised to adopt the soil testing before use of the fertilizer at the time of sowing. At KVK, Gorakhpur-I group of farmers shared their experiences. It is advised to take advantage of KVK personal for more knowledge gain regarding new technologies and varieties. Crop cafeteria of wheat varieties is highly appreciated. The KVK Basti also having entire farm for wheat seed production and lentil seed production with the different crops in crop cafeteria is appreciated.



## First LPAC meeting

Director ICAR-ATARI, Kanpur participated as Chairman in the First LPAC meeting of the DST-SEED Division sponsored project entitled “Rural Women Technology Park” held on 24<sup>th</sup> February, 2020 at Training Hall of the KVK-II, Sitapur. In the meeting different lectures were given on Agriculture waste management, soil fertility, azolla cultivation etc, Rural Community Based Skill Development trainings and starting up of enterprises for rural youth on numerous agriculture and allied technologies, Bankable project development, hand holding, Linkages etc., Organic farming with special emphasis on rural women and youth entrepreneurship development, Family Resource Management including drudgery reduction and clean fuel, Empowerment of deprived women folk through legal advocacy and skill development, Empowerment of rural women through agriculture based entrepreneurship development mainly Kitchen gardening, Backyard poultry, fisheries etc. It was suggested need based demand driven activities should be initiated for same selected farmers of the village for meaningful impact of intervention

## Visit of DDG(AE) at ICAR-ATARI, Kanpur

On 3 February 2020 respected DDG (AE), visited ICAR-ATARI, Kanpur. He has suggested to improve the up keep the latest things. He has appreciated the hindi magazine Krishi Shodh Darpan. The campus cleaning also appreciated. He also added to publish The good publication desired.



## Selection Committee Meetings of KVK Kaushambi and Pratapgarh

### KVK Kaushambi

Director ICAR-ATARI, Kanpur participated as a representative of ICAR in the Selection Committee meeting for recruitment of Subject Matter Specialist (Extension) & Programme Assistant/ Lab Technician of KVK, Kaushambi held on 25-02-2020 at Suchana Prodyogiki Bhawan, 8A/1 Elgin road Civil Lines, Prayagraj. The Committee has reviewed the educational documents and conducted the Interview of candidates for the different posts at KVK, for effective functioning of the KVK.

### KVK Pratapgarh

Next day, participated for recruitment of the post of Subject Matter Specialist (Horti.) at KVK, Pratapgarh held on 26<sup>th</sup> February, 2020. The Committee has reviewed the educational documents and conducted the Interview of candidates for the different posts at KVKs for effective functioning of the KVK and selected as suitable persons.



### Review of activities at KVK I, Sitapur

Director ICAR-ATARI, Kanpur visited KVK-I, Sitapur on 15<sup>th</sup> March, 2020 and seen the demonstration units at KVK. There was excellent work on nursery development of Banana, Guava, Lemon and other ornamental plants. It was suggested to put exhibits of Technologies, ICT laboratory, museum, etc. Director also discussed with

the Head, Scientists and staff of KVK for financial, administrative and technical issues of KVK. It was suggested to the Scientist of KVK for impact study on Soil Health Card problem solving to the farming community by creating awareness and training programme. Much emphasis should be given on low input and more production. The IFS models, drip and sprinkler irrigation, should be focussed among the farmers field.



It was highlighted that the farmers should be adopted short duration varieties and latest technologies as per forecasting deficient & scanty rainfall. Farmers should be adopted mobile advisory services to upgrade their knowledge and skilled in the field of Agriculture. The Home Science the drudgery reduction activities should be taken up to the farm women. The Extension Scientist should develop the literature on important technologies and methodologies.

## International Women Day

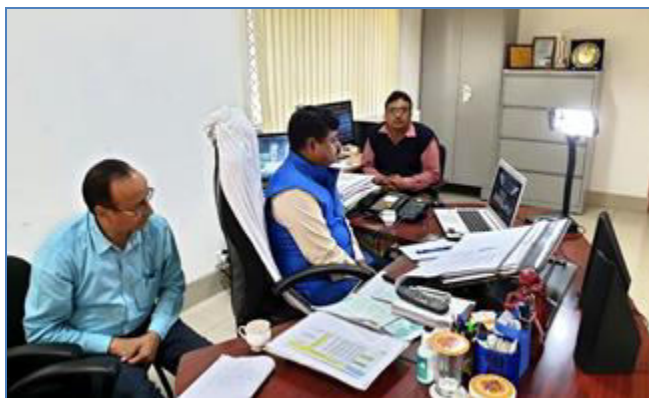
Director ATARI Dr. Atar Singh participated as a Chief Guest in the International Women Day held at KVK, Kanpur Dehat on 8<sup>th</sup> March, 2020. The Scientists of KVK given valuable information to the participants on food, nutrition, livelihood, education and sanitation of the house as well surroundings of villages. Women are the main force of the Society. They should pay respect from all the corners of service, work and family management. The main theme of the International Women Day was to encourage the women to develop the Skill, knowledge and self confidence in every field of life. It was emphasized that the women should contribute in the field of farming.



## Participation in Online Directors Conference

A View of Video conferencing of Directors on 19 March 2020. The ICAR-ATARI Kanpur Scientists watching the program and listening the views of Secretary DARE and DG ICAR and other Dignitaries DDGs and officials of ICAR New Delhi were present. Very encouraging suggestions were given by the chairman Dr Trilochan Mohapatra. He stated that hygienic measures and practices to staff and their families to maintain quarantine measures. Proper utilization of budget and no money returns to the council in true sense its utilization. EFC preparation hopefully done, reduced the manpower. He further, draw attention of the Directors for new ideas global and national challenges, rationalize of equipments after saving measures such as micro irrigation and paddy varieties promoted such situation or not, taken technologies to the

interacted during 9.30 AM to 3 PM. field and branding of ICAR. He focused the new technologies to the KVKs through FLD/OFTs and large scale dissemination. The quality publications, citation to all Scientists should be available by first week of April 2020. Impacting of technologies analysis desired. Effective PME cell for information technology, publication data centers for any time any thing asked. ICT cell should be functional. Young scientists should be listened, support, guiding and looking critically . Ecosystem and commodity mode work for sustainability desired. Technology cluster work as per requirement. Common service center advantage for database in districts by KVKs and end to end value chain the data is not coming to data center. In ICAR-ATARI, Kanpur Expenditure is 99% and money released 100% to KVK/ARYA/FARMER FIRST/NICRA projects, similarly CFLD pulses 96 and oilseeds 92% respectively. 50% posts are vacant in ICAR KVKs and 32% in SAU KVKs respectively. In ICAR-ATARI KANPUR 8 posts are vacant. The CFLD pulses technology interventions book is under pipeline to be printed. All Directors interacted during 9.30 AM to 3 PM.



**XI<sup>th</sup> KVK National Conference organised at New Delhi**



Director ICAR-ATARI, Kanpur Participated in the XIth National Conference on KVK-2020 at New Auditorium, Convention Centre, NASC Complex, New Delhi on 28<sup>th</sup> February, 2020. Shri Narendra Singh Tomar, Union Minister of Agriculture & Farmers' Welfare addressing the XI<sup>th</sup> National KVK Conference organized by the Indian Council of Agricultural Research at the National Agricultural Science Centre Complex, New Delhi. The conference organized till 1<sup>st</sup> March, 2020. The Minister asserted that the collaboration of agriculture, youths and technology

together that will take the agriculture to a newer height. He urged the farmers to transfer their knowledge to their descendants. Shri Tomar also emphasized on the indispensable roles played by the Krishi Vigyan Kendras in the promotion of new and advanced technologies among the farmers. He regarded the KVKs is the main source of communication between the farmers, government, policies makers and agricultural scientists. The Minister accentuated on promoting the Farmers' Producers' Organizations (FPOs) that can revolutionize agricultural arena of the country. The Guest of Honor, Shri Kailash Choudhary, Union Minister of State for Agriculture & Farmers' Welfare urged for making the KVKs stronger and well-updated with the information regarding the new and latest technologies being developed by the various ICAR Institutes in India.



This would help them to provide prompt assistance to the farmers more effectively. The Minister also suggested the farmers to make regularly visiting the KVKs a habit of their daily life. This will help to keep them aware about the new and latest techniques and advancements. Dr. Trilochan Mohapatra, Secretary (DARE) & Director General (ICAR) urged the KVKs to be vigilant in their gestures to solve the various challenges and issues being faced by the farmers more effectively and efficiently. He emphasized on making the KVKs a one stop shop that can provide the farmers with any types of help required during the agricultural and farming practices. He suggested the KVKs officials to prepare a proper database of the farmers in the respective areas that will help them to address their problems timely. This requires preparing a proper action plan and implementing it in a proper manner. Dr. A.K. Singh, DDG (AE), ICAR emphasized on making the KVKs a single window system that can provide the information and solve the various problems of the farmers at a same time. Dr. S.N. Puri, Former Vice-Chancellor, Central Agricultural University, Imphal urged on enhancing the visibility of the KVKs among the farmers. The main theme of the Conference on Empowering youth for Technology Led Farming.



### Quarterly Progress Report during January-March, 2020

S. No.	Activities	Achievements
1	Technologies assessed (Nos.)	36
2	On- Farm Trials Conducted (Nos.)	211
3	Frontline Demonstrations Conducted (Nos.)	1366
4	No. of Farmers and farm women Trained (Nos.)	3472
5	No. of Extension Personnel Trained(Nos.)	949
6	Production of Seeds (in Quintals)	1805.46
7	Production of Planting materials(in lakhs)	1.45
8	Production of livestock strains and fingerlings(in lakhs)	0.75
9	Soil and water samples tested (Nos.)	454
10	No. of Soil health card issued by using Mini Soil Testing Kit (Nos.)	850
11	No. of Soil health card issued by using traditional Laboratory (Nos.)	755
12	No. of Farmers provided mobile agro-advisory(in lakhs)	5.85
13	No. of Farmers participants and other stakeholder Benefitted/ Awareness created through various Extension Activities (in lakhs)	0.37

### Other meetings/conferences/workshop

#### Review meeting of CSISA project at Gorakhpur and Mahrajganj on 12 March, 2020

Review meeting of CSISA project was held in Farendra block of Mahrajganj district. The review meeting was attended by members of CSISA team led by Dr RK Malik, National Coordinator of the project; Heads and SMS of the KVKs of Mahrajganj, Gporakhpur I and II, Deoria, Kushinagar, Basti; officials of line department, farmers group of the same village, and also from Kushinagr and Deoria. There were two members from BMGF who had to do the review of CSISA programme which was running in that area since 2009. Dr. SK Dubey of this institute also attended this review meeting and coordinated with BMGF team in eliciting the information from the partner farmers who were participate in this meeting on various dimensions of the review of the project. After that, Dr. Dubey made the personal interaction with BMGF persons who enquired about different roles of ATARI, Kanpur and its perspectives on planning, executing and evaluation of CSISA activities.

#### National Conference at ICAR-IISW RC, Datia (MP) on 5 Feb 2020

Dr. S.K. Dubey attended the national conference on soil and water management by ICAR-IISW, Dehradun at its regional center of Datia and made lead paper presentation in the technical session which focused on the social and technological aspect of conservation management approaches. The session was chaired by Dr Ashok Kumar, Head, IISWC, RC Kota, Co-chaired by Dr AK Dwivedi, CAFRI and attended by many professionals and progressive farmers of the state as well as Datia District. I deliberated in details on the topic Upscaling of the Crop Residue management Management Technologies for the sustainable soil management in UP. The presentation was felt meaningful by the farmers and other professionals present in the session.

#### Global Potato Conclave on 29 Jan 2019 at Gandhinagar, Gujrat

Dr. S.K. Dubey, PS (AE) attended the Global Potato Conclave organized by CPRI, Shimla at Gandhinagar. He was given the presentation of invited paper in the theme of social sciences and policy issues. This session was Chaired by Dr AK Singh, DDG (AE), ICAR and

Dr. B Singh, DG, UPCAR, Lucknow; co-chaired by Dr K Mohanty from CIP-SWA, New Delhi and convened by Dr NK Pandey, Head, Social Sciences, CPRI, Shimla. There were five invited papers in this session presented by Dr Mohanty, Dr. KD Kokate, Dr NK Pandey, Dr. SK Saxena and Me. Dr. Dubey presented the on the topic of Geo-spatial scalable potato technologies in India with major focus on North eastern geography, indo-gangateic plain and north western hill of Himachal. The validated appropriate technologies, their relevance and implications in these regions were highlighted.

#### CSISA workshop on 4/01/2020 at ICAR-IIWBR, Karnal

Dr S.K. Dubey attended the workshop of CSISA held at OCAR-IIWBR, karnal. The workshop was Chaired by Dr AK Singh, DDG (AE), ICAR and attended by Dr. Randhir Singh, ADG (AE), ICAR; Dr. GP Singh, Director, IIWBR, Karnal; Dr RK Malik, CSISA and all his team from CSISA, IRRI and CIMMYT besides the Directors of ATARIs Kolkota, Patna and Ludhiana. All the Heads of different divisions of IIWBR were present on the occasion. There were three presentations made by Sh Anurag Ajay, Dr RK Malik and Dr Patrick, in which they shared the methodologies adopted in LDS, the major outcome of the survey and the institutionalization mechanism of LDS in the frontline extension system in India respectively. After this meeting, a field visit was made in the IIWBR farm.

#### SAC meeting of KVK Ghazipur & workshop on nutrition and water culture at Chitrakoot

Dr. Sadhna Pandey attended SAC meeting at KVK Ghazipur on 25.02.2020. In this meeting Dr. V. K. Singh, Head, KVK, Ghazipur presented the last year's ATR, overall progress and achievements of the KVK. All the scientists of different discipline like agronomy, soil science, veterinary science and plant protection, have also presented OFTs, FLDs, demonstrations and trainings conducted by them along with their results. Head also presented action plan for the next year 2020-21. Various suggestions given by the honorable members also.

She also attended the workshop on nutrition and water culture at KVK, Chitrakoot on 26.02.2020. On this occasion she delivered a lead lecture on Nutrition sensitive agriculture and resources

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**Published by:** Director, ICAR-ATARI, Kanpur

