



ICAR-ATARI, Kanpur Newsletter



भाकृअनुप-कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान, कानपुर

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न्यू इंडिया मंथन

संकल्प से सिद्धि

नये भारत का निर्माण



“NEW INDIA MANTHAN – SANKALP Se SIDDHI” Programme organized at BHU, Varanasi on 27-08-2017

“New India Manthan- Sankalp se Sidhi” programme was jointly organized by NDAUAT, Faizabad Krishi Vigyan Kendra, Varanasi; ICAR-ATARI, Kanpur and Banaras Hindu University (BHU), Varanasi in the historical Swantantrta Bhavan of BHU on 27th August, 2017. 4000 participants, 3000 farmers, farm women, rural youths, scientists of ICAR institutes, KVKs, officials from line departments, students and others were attended the programme. The state and district agricultural department officials were also contributed immensely for making the programme success.

Hon’ble Union Minister of Agriculture and Farmer Welfare GOI Shri Radha Mohan Singh Ji inaugurated this programme. In his address, Sh. Radha Mohan Singh Ji highlighted the historical link of Sankalp se Siddhi programme from getting the independence of the country in 1947 to the commitments of Nation for farmers’ development especially doubling the farmers income by the year 2022. He avowed the large gathering the messages of Hon’ble Primie Minister which was structured as “Sankalp se Siddhi”. While addressing the farmers’, Hon’ble Minister emphasized how the Government of India has conceptualized, planned and now delivering the ambitious programmes for the benefits of farmers in the major areas of improved crop varieties, soil health, irrigation, minimizing the post harvest losses, offering remunerative price, reducing the marketing middlemen and other related issues. Sh. Radha Mohan Singh Ji also highlighted the commitments of Government for strengthening the research and extension systems of country by establishing the institutions of frontier areas. He further, urged the farmers how to integrate the intercropping, agroforestry, integrated farming system approach and use of modern and new technologies for enhancing their income from agriculture. Lastly, he called upon the esteemed audience to pledge that the *Sankalp* of Government of India for doubling the farmers’ income in coming five years in mission mode so that the commitments may be translated to *Siddhi* i.e. accomplishment of the goal. During the event, a short film on “Sankalp se Siddhi” was also screened for the benefit participating farmers were

also shown the clippings of patriotic films of the country.

On this occasion, Hon’ble Vice Chancellor of Banaras Hindu University, Varanasi Dr. Girish Chandra Tripathi apprised the gathering of commitments of Government of India for Farmers’ benefits in the form of different programmes and also how this premier university is aligning its priority towards farmers’ benefits.

Dr. US Gautam, Director, ICAR-ATARI, Kanpur at the outset welcome the Chief Guest, other dignitaries and participating farmers and delegates.

The programme ended with the formal vote of thanks by Dr. Akhtar Hasseeb, VC, NDUAT, Faizabad.



Hon’ble Union Minister of Agriculture and Farmer Welfare Shi Radha Mohan Singh addressing the session



Comments of VVIPs in New India Manthan Sankalp Se Siddhi Programme

Hon'ble Union Minister of Agriculture and Farmer Welfare Shi Radha Mohan Singh

Hon'ble Minister highlighted the historical link of Sankalp se Siddhi from getting the independence of the country in 1947 to the commitments of Nation for farmers' development especially doubling the farm income by the year 2022. He avowed the large crowd of farmers about the messages of Hon'ble Prime Minister which was structured as "Sankalp se Siddhi". While addressing the farmers' gathering, Hon'ble Minister emphasized how the Government of India has conceptualized, planned and now delivering the ambitious programmes for the benefits of farmers in the major areas of improved crop varieties, soil health, irrigation, minimizing the post harvest losses, offering remunerative price, reducing the marketing middlemen and other related issues. Sh. Radha Mohan Singh Ji also highlighted the commitments of Government for strengthening the research and extension systems of country by establishing the institutions of frontier areas. He further urged to the farmers how to integrate the intercropping, agroforestry, integrated farming system approach and use of modern and new technologies for enhancing their income from agriculture. Lastly, he called upon the esteemed audience that lets make a pledge that the Sankalp of Government of India for doubling the farmers' income in coming five years in mission mode so that the commitments may be translated to Siddhi i.e. accomplishment of the goal. Given oath to the farmers as corruption free, cashless, cost less free India.

Hon. Dr Mahendra Nath Pandey, Minister of State of Human Resource Development at KVK Chandauli-

माननीय मुख्य अतिथि अपने उद्बोधन में चन्दौली जनपद के किसानों एवं जिलाधिकारी से अपेक्षा की कि प्रधानमंत्री कृषि सिचाई योजना को पुनः संशोधित प्रस्ताव बनाकर हमें प्रस्तुत करे ताकि यह किसानों के लिये लाभकारी हो सके और भा.कृ.अ.प., अटारी, कानपुर, निदेशक डा० यू० एस० गौतम से उम्मीद किया कि कृषि विज्ञान केन्द्र को एक आदर्श केन्द्र बनाने में सहयोग करे और स्वयं भी इसमें सहयोग करने की अपनी भूमिका निभाने की वादे को दुहराया।

Hon. Shri Manoj Sinha, Ministers of State (IC) of Communications / MoS of Railways at Ghazipur

Speaking on the occasion, Shri Manoj Sinha suggested the farmers to avail the maximum benefits of centrally sponsored schemes implemented by Govt. of India. He highlighted the importance of adoption of latest agricultural technologies and advised officials of KVK and allied departments to help farmers to exploit the full potential of resources available. Mr. Sinha also planted Neem tree in Jamuan village on this occasion. Vegetable Seed was distributed to the farmers by hon'ble minister during the programme. Seed was provided by ICAR-IIVR, Varanasi.

Hon'ble Sri Surya Pratap Sahi, Agriculture Minister, U.P. Govt. at KVK Deoria

Chief guest Shri Surya Pratap Sahi, Hon'ble Agriculture Minister of U.P. in his inaugural address focused on various schemes including Pradhan Mantri Fasal Bima Yojana, soil health card, Micro Irrigation which will ensure the improvement of production and productivity of the farming communities. He also emphasizes different technologies related to agriculture and other agriculture enterprises like increasing in productivity of horticultural crops, beekeeping, mushroom, goat, poultry production which will be helpful to doubling the income of the farmers.

Hon. Dr Sanjeev Kumar Balyan, Minister of State of Water Resources, River Development and Ganga Rejuvenation, GOI at KVK Muzaffarnagar-

The Chief Guest Dr. Sanjeev Kumar Baliyan, Hon'ble MOS discussed various schemes for farmers welfare like PMKSY, e-NAM and PFBY and called upon the farmers to take advantage of the schemes. Hon'ble MOS put forward 7 point agenda for doubling income. Hon'ble MOS said that the govt. is committed for doubling farmers income by 2022 for which various policy decisions have been taken. The application of technology with effective policy can bring this agenda of doubling income in reality. Hon'ble MOS lauded the role of KVK Muzaffarnagar for transfer of technology and put a written comment. "KVK Muzaffarnagar is one of the Best KVK in the country in service of farmers".

**Hon. Shri Shrikant Sharma, Minister of Power, UP
Govt. at KVK Unnao**

माननीय मुख्य अतिथि महोदय जी ने अपने सम्बोधन की शुरुआत जय जवान जय किसान का नारा लगाते हुए की। माननीय मुख्य अतिथि जी ने कहा कि जिस तरह भारत छोड़ो आन्दोलन का परिणाम यह हुआ कि हम आजाद हुए, ये हमारे स्वतन्त्रता सेनानियों के संकल्प से ही सिद्ध हुआ। आजादी से लेकर आज तक किसानों की आय को कैसे बढ़ाया जाए उनको संसाधन कैसे मुहैया कराया जाए, किसान के बच्चों को अच्छी शिक्षा कैसे दी जाए, उन्हें अच्छी स्वास्थ्य सेवाएं कैसे दी जाए, इस सभी विषयों को लेकर हमें आगे बढ़ना है। उन्होंने कहा कि मैं माननीय प्रधानमंत्री श्री नरेन्द्र मोदी जी को आभार व्यक्त करना चाहता हूँ कि जब से उन्होंने प्रधानमंत्री के रूप में शपथ ली है तब से लेकर आज तक उनके मन में एक ही संकल्प है कि किसान की आय को दुगुना कैसे करें, गरीब का उत्थान कैसे करें, उनके घर में खुशहाली कैसे लाये और उसी आधार पर सरकार अनेकों कार्य कर रही है। इसी आधार पर एक अभियान चल रहा है "संकल्प से सिद्धि न्यू इण्डिया मंथन"। माननीय मंत्री जी ने संकल्प से सिद्धि कार्यक्रम को सम्पूर्ण भारत का कार्यक्रम बताते हुए कहा 2017 से 2022 तक नये भारत के निर्माण हेतु जो संकल्प लिया गया है वह तभी सम्भव है जब भारत सरकार, प्रदेश सरकार के साथ-साथ सभी कृषक बन्धु एवं कृषक महिलाएं इसे पूर्ण करने हेतु संकल्प लेंगे। कार्यक्रम की विस्तृत चर्चा करते हुए 2022 तक किसानों की आय दुगुनी करने हेतु कृषि एवं किसान कल्याण मंत्रालय, भारत सरकार द्वारा जारी सात सूत्रीय कार्ययोजनाओं पर विस्तृत प्रकाश डाला और माननीय मुख्य अतिथि महोदय जी ने सभी को नये भारत के निर्माण हेतु मन और कर्म से जुटने के लिए प्रेरित किया जिससे कृषि क्षेत्र में सदाबहार क्रान्ति लाकर कृषक आय को दुगुनी किया जा सके।

**Sushri Uma Bharati, Minister of Water Resources,
River Development and Ganga Rejuvenation, GOI
at KVK Jhansi.**

मा० मुख्य अतिथि सुश्री उमा भारती, सांसद झांसी ललितपुर लोकसभा एवं कैबिनेट मंत्री, भारत सरकार द्वारा बुन्देलखण्ड के किसानों को अर्थिक रूप से मजबूत करने के लिए फूड प्रोसेसिंग पार्क की महत्व के बारे में जानकारी देते हुये बताया गया कि हल्दी, अदरक, अमरूद का उत्पादन अधिक होता है। यदि इन्हे प्रसंस्करित कर बाजार में बेचा जाये तो किसानों को सीधा लाभ मिलेगा। केन्द्रीय मंत्री ने कहा मिल स्वामी करोड़पति हो गए हैं और अन्नदाता किसान आज भी फटे हाल हैं। उन्होंने किसान को शंकर भगवान जैसा भोला भाला बताया। केन्द्रीय मंत्री ने कहा कि केन-बेतवा लिंक होने से लगभग 6 लाख हेक्टेयर भूमि को सिंचित किया जा सकेगा। किसान को चाहिए सिंचाई के लिए बिजलीए सही समय पर खाद और उन्नतशील बीज

के साथ पर्याप्त पानी। यदि सब कुछ हम उसे दे तो वह भी समर्थ हो जायेगा। उसे कर्ज लेने की आवश्यकता नहीं पड़ेगी बल्कि वह दूसरों को कर्ज देने लायक हो जायेगा। उनके द्वारा प्रदेश को उत्तम प्रदेश बनाने हेतु कहा गया कि बुन्देलखण्ड क्षेत्र में इजरायल देश की तरह खेती की जाएगी। वहाँ के वैज्ञानिक यहाँ पर आकर समस्त जानकारियां देंगे, क्योंकि बुन्देलखण्ड की जलवायु, कम वर्षा की तरह इजरायल में भी यही है। उन्होंने किसानों के लिए बाजार व्यवस्था और झांसी को बायु मार्ग से जोड़ने की बात कही। उन्होंने यूपी व एमपी को भारत का सबसे उत्तम प्रदेश बनाने का संकल्प लिया।

**Hon. Shri Jai Pratap Singh, Minister of Excise
department, Liquor prohibition, UP Govt., at KVK
Pratapgarh-**

श्री जय प्रताप सिंह, आबकारी मंत्री, उत्तर प्रदेश सरकार ने कहा कि 5 वर्षों में किसानों की आय को दोगुना करने हेतु हमें वाटर कन्जरवेशन, सिंचाई की नई तकनीक, टपक सिंचाई तथा बौछारी सिंचाई, एवं जीरो टिलेज की उपयोगिता को प्राथमिकता देना पड़ेगा और किसानों को इन सभी तकनीकों को कृषि विज्ञान केन्द्र के माध्यम से अपने खेत में प्रयोग करने को कहा।

**Hon. Shri Santosh Kumar Gangwar, Minister of
State of Finance, GOI at KVK Bareilly-**

In his address, the Minister told about the purpose of the New India Making and the responsibility of each and every citizen for making India a great nation. He narrated the commitment of Central Government for the welfare of farmers and talked about various schemes and programmes initiated by the Government and hoped that these programme will ensure doubling of farmers' income by 2022. He showed his concern on the problems faced by the farmers of the region in general and Bareilly in particular. He urged scientists and agricultural department officers should work hard to transfer the new scientific technologies to the fields in participatory mode.

**Hon. Shri Dharmpal Singh Minister of Irrigation,
UP Govt at KVK Gorakhpur-II-**

Hon'ble irrigation minister Shri Dharmpal Singh ji highlighted ambitious schemes launched by Government of India for the welfare of farmers. He insisted to the farmers of Gorakhpur district take benefit of this sankalp se siddhi programme. He said nation cannot get strength or growth, till the time farmers get their due value. He motivated farmers to join this manthan to double their income by 2022. He

said village and cow are two eyes of bharatmata, which are in danger. This is the high time to save both of them. He also emphasized that to get better irrigation system in agriculture field it is desired to Link Rivers to farming system. He recalled people to think and work on “one drop more crop” moto.

Smt. Menaka Gandhi, Hon'ble Minister, Women and Child Development, GOI at KVK Pilibhit-

Mrs. Gandhi emphasized the need of doubling farmers income upto 2022 and showed her interest and shared her views on PMFBY, PMKSY, Organic Farming, National Food Security Mission in detail. She pledged with all the people present to double the farm income upto 2022. She explained her concern specially for promotion of chemical free farming, use of safer pesticides in agriculture, non burning of crop residues, utilization of Water hyacinth for chatai making for rural entrepreneurship development for safe environmental protection. Diversification of crops in summer season such as apple and cultivation of mehndi for extra income of the farmers in the villages. She emphasised on judicious use of water by drip and sprinkler system and conserving water through harvesting in the village ponds through MNREGA. She asked all the farmers of the district to reduce the urea in the crops and use of balanced fertilizers . She also reiterated to minimize the pesticide load to save the environment and also mankind from the ill effects of pesticides on their health.

Smt. Krishna Raj, Minister of State of Women and Child Development, GOI at KVK Shahjahapur-

Smt Krishna Raj has inaugurated the programme and given the oath of “ Sankalp se Siddhi” to the farmers and govt deptt officials and staffs. She emphasized about the Hon'ble P.M.'s dream of target to double the income of farmers up to 2022. The agro processing at village level by integrating the resources under farming system mode. The system productivity can be enhanced. She has focussed on organic farming for safe nutritional security and environment.

Smt. Archana Pandey, Minister of State Mining, Excise and Prohibition, UP Govt. at KVK Kannauj

Hon'ble Chief Guest Smt. Archana Pandey, addressed the farmers and assured for all kinds of possible assistance to uplift the socio-economic status of the farmers and doubling the farmer's income. She also gave a comment that the KVK Kannauj is “Jangal me Mangal” for farmers because the scientists of the KVK are solving the farmer's problems very effectively and timely.

Review Workshop on Achievement & Action Plan of NICRA



The Programme of Review workshop of NICRA KVKs started by Dr. Atar Singh, PS & Nodal officer NICRA with welcome to all the participants from SAUs as Director Extension, Head KVKs and Scientists from different vulnerability situations. The project work and action plan of NICRA was discussed, by Dr. JNSV Prasad, Coordinator NICRA, ICAR-CRIDA, Hyderabad also presented estimate variability and works summary, he said planning for coming 3 years (2017-18 -2019-20) NICRA Project benefits to farmers based on different kind of vulnerabilities and demonstrations on proven Technologies, which are low cost sustainable based technology & Varieties. Dr.U.S.Gautam Director ICAR-ATARI, Kanpur, declared that KVK Gonda got best Zonal- KVK – as well as NICRA award. He asked to develop the realistic action plan and short out the problems, of SRF appointment. Performance of all the KVKs under N.D. University are poor. Under this workshop, crop residue management & burning issues was discussed.

Zone-tillage importance in low year areas and Composite- fish culture importance and worked out relevant data. Salt tolerant variety CSR-36, PMFBY-progress & importance should compulsory sustainable to all NICRA, KVKs sustainable Custom-Hiring Services important & Technologies and Summer Pulses i.e. Green Gram & Black Gram promoted to meet sustainability. Impact assessments should be recorded & published in success cases. Innovations are very important regarding NICRA project. KVK's shares the experiences Technology & suggestions for further improving action plan to all NICRA KVKs on sustainable basis. Dr. A.D. Pathak discussed about sugarcane technologies i.e. Sugarcane and wheat in FIRBS method and he told about Sugarcane varieties for climatic situations. At last vote of thanks was given by Dr. S.K. Dubey,(PS) Extension ICAR-ATARI, Kanpur.

Workshop & Capacity Building on Monitoring, Learning & Evaluation – New Initiatives of CSISA Project



The programme was organized at ICAR-ATARI, Kanpur from 26-27 July, 2017 in which 12 KVKs from Bihar (08), Uttar Pradesh (02) and Odisha (02) participated. Besides, one economist from BAU, Sabour attended this workshop. Sh. O P Singh, Joint Director (Agri.), Basti also attended this workshop. There were seven delegates from CSISA-CYMMIT.

In the inaugural session, Dr. Shantanu Kumar Dubey, Principal Scientist, ICAR ATARI, Kanpur highlighted the Purpose of workshop and stated how best we can systematically collect data, analyze and evaluate them for effective monitoring and sharing the learning. He further stated that the kind of learning we can have from other stakeholders need documentation of all the activities we undertake. Dr.

R.K. Malik from CSISA highlighted two issues namely only those colleagues would be successful who have complete control over data. Next generation of technologies are based on complete digitization. KVKs are enriched with lots of data and they can have any discussion and competition with any other institution. Secondly, KVKs are the center forward institutions who can make a goal – just like football.

Dr. U.S. Gautam said on the occasion that we visited two places in Eastern U.P. namely Maharajganj and Gorkahpur and observed the data collection process shared that we had 6.7 t/ha where as others got 4.5 t/ha in their field. How are we getting this difference in data in the same location? How can we deliver this message at the policy level? KVK do have lots of data and success stories. But how much are we using those data? We have think beyond calculating maximum and minimum yield. How do we double the income of farmers that aligns with the state government objective?

After the inaugural session, there was presentation by Dr. Malik who stated that Why some technologies are not accepted? This may be because of the fact that it may not be according to farmers' need, may not deliver what they promised, may be expensive to adopt and may not be sufficiently better than existing one. Similarly, we need to understand what is technology – it is the one accepted by all stakeholders.

Training to Animal Scientists of KVKs from Uttar Pradesh

One day workshop was organized at ICAR-ATARI, Kanpur on dated 5 August 2017. Dr. H.G. Prakash, CSAUA&T, Kanpur was Chief Guest besides Dr. S.P.S. Tyagi and Dr S.K. Dubey, PS (AE). The programme was started with welcome address by Dr. S.K. Dubey, PS (AE), thereafter focusing on work visibility, result, quantification gap between Heads & Scientists and for filling such gap essentiality need to bridge and responsibility may be fixed for everyone. Dr. S.K. Dubey focused for Animal Health Management and needs for more visibility and monitoring to be strengthened accordingly. Livestock is most important subject in KVK as Govt. of India has also given more emphasis on livestock, to develop the farmer institution and collect milk at village level and minimize the linkage of produce to consumer.



Less number of SMS is available in the KVKs for doing efficient work for livestock. Dr H.G. Prakash highlighted to make farmers aware about Animal Husbandry which is essential part of Agriculture. Farming and Animal Husbandry are the two sides of same coin. The issues like Poor post milking management, Inadequate quality forage, Poor post harvest forage management, Uncertainty of milk price at producer's level, Unorganized milks milk products market, Delay puberty, eroded germplasm, prolonged kidding interval, Higher kid mortality, eroded germplasm of poultry, unorganized pork market, unavailability of quality fingerlings, low production potential and Low maintenance of water bodies. After that Dr. S.P.S. Tyagi delivered his speech. In animal production nutrition's and Animal feed management. The increasing growth rate of milk production has become the target under Kamdhenu Yojana for increasing the milk production. In order to increase milk production, bypass feed is required, which is cheaper than conventional feed and some necessary area should be covered like body weight of animal should be monitored regularly the lection period should be 120 days.

Following action points emerged from this meeting:

1. Animal Health Management needs more visibility and monitoring.
2. Increasing growth rate of milk production should be target which can be brought under Kamdhenu Yojana for increasing the milk production.
3. Unorganized milk products market, Delayed puberty, Prolonged kidding interval, Higher kid mortality, Eroded germplasm of

poultry, unorganized pork market, Unavailability of quality fingerlings, Low production potential and Low maintenance of water bodies.

At last, vote of thanks was given by Sri S. N. Yemul, CTO, ICAR-ATARI, Kanpur.

Training to Extension Scientists of KVKs from Uttar Pradesh



ICAR-ATARI, Zone-III, Kanpur organized two days training programme on Extension Scientists of KVKs from Uttar Pradesh on 09-10 August, 2017. Total 29 Agriculture extension scientist were participated. Dr. Shantanu Kumar Dubey (PS) ICAR-ATARI, Kanpur welcomed all the participants. Participating Scientists shared their experiences. Suggestions regarding methodology for OFT, farming system approach, development of seed bank, good old variety resistance, wider adoptability of technology, best extension methodology, Exchange activities. etc given by the expert Dr. B. Balakrishna.

On this occasions, Dr. H.P. Singh shared the Economic and social development of KVKs and also the main objectives of OFT (minimum input invest and maximum production).

Dr. U.S. Gautam Director ICAR-ATARI, Kanpur also shared valuable remark regarding role of extension scientist at KVK.

program, Kisan mela, O.F.T, FLD, PRA and Role of extension education SMS in KVK in site selection of field, seeing by believing etc.

A session on success of agriculture extension by Dr. B. Balkrishna on Impact analysis, tools of PRA, Parameter and Measurement of impact. He also focused on Motivating the farmer by extension scientist by KVK for doubling farm income, documenting different technology, discuss methodology. Dr. Prabhu Kumar highlighted the Extension approaches for motivating others and He said how to develop agriculture developed by farmer scientist interaction. He further talked on frontline extension, KVK system recaps on the concept of KVK and its mandate, domain of activities v/s achievement. He said our job is not an Extension work rather our job is application of technology. Creation of valuable resources, interaction of technology, improving the frontline technology related capacity building of stockholders.

Dr. R. N. Padaria, Principal Scientist from ICAR-IARI, New Delhi said that the need of impact of KVKs. Knowledge Management in Agriculture reaching out to farmers and other stakeholders are the key issues for KVK. After that Dr. S. K. Singh, Scientific Advisor to Agriculture minister and Director DKMA, ICAR-New Delhi said that DKMA is the mask of ICAR. And shared the experience of extension work.

At last vote of thanks was given by Dr.S.K.Dubey, PS (Agril. Extn.) ICAR-ATARI, Kanpur.

Following action points emerged from this meeting:

- Economic and social development of farmers through KVKs.
- Objectives of OFT are to minimize input investment.
- Need for impact analysis of KVKs.
- Farming system Assessments and need prioritization.

Training to Horticulture Scientists of KVKs of Uttar Pradesh

One day Training Programme of Horticulture Scientists was organized at ICAR-ATARI, Kanpur on 30 August 2017 In which Dr. S.K. Shukla- ICAR-CISH, Lucknow was the Chief Guest. Dr. Atar Singh, PS (Agro) coordinated the programme and Dr. S.K. Dubey, PS (Extension) was also present.

In this training programme 49 Horticulture Scientists participated. The programme was started with the inaugural welcome address given by Dr. Atar Singh, PS (Agro), ICAR-ATARI, Kanpur. He presented the overall scenario of the Horticulture scientist of KVKs of U.P. with focus on production of seedling of Horticulture crop as the important area. He said that intercrops are best option for doubling the farmer's income. Protected cultivation including polyhouse, and greenhouse, are adopted by many farmers to gain their income. He said stacking the tomato plant helps to grow quality fruits with bumper crops.

Dr. Shantanu Kumar Dubey discussed with the participating Horticulture scientists about the use of new technology and method with focus on Land holding of farmer, Consumer preference, Technological preference, Horticulture protection system to follow by the KVKs. In this programme and Horticulture Scientists have presented their work status and gave future action plan and also felt the challenge and opportunities for KVKs.

Dr. H.P. Singh Additional Director, CSAUA&T, Kanpur Said that Doubling income is the Priority of Government For doubling income of farmers Different agriculture component such as goatry, dairy, fisheries, bee keeping, mushroom production etc. rather than only the Traditional agriculture. Dr. S.K. Shukla, ICAR-CISH, Lucknow emphasized on Rejuvenation technology. He also stated the problem lack of trained manpower in horticultural operations.

Following action points emerged from this meeting:

- Intercrops based interventions are essential for doubling the farmer income.
- Protected cultivation in polyhouse, greenhouse and glasshouse may be promoted for adoption by farmers to enhance their income.
- Stacking the tomato plant and growing of Quality fruits needs regular promotion.
- Emphasized on Rejuvenation technology to given by KVKs

Training to Agronomy & Soil Scientists of KVKs of Uttar Pradesh



Two days workshop was organized at ICAR-ATARI, Kanpur on dated 18-19 August 2017. Dr. Y.V. Singh, Ex. - Director ATARI Jodhpur and Dr. Karam Hussan, Head of Department Agronomy, CSAU&T, Kanpur were Chief Guest; Dr. U.S. Gautam, Director, ICAR-ATARI, Kanpur; Dr. Atar Singh, PS (Agro); Dr. S.K. Dubey, PS (Extension). The programme was started with the inaugural welcome address given by Dr. Atar Singh, PS (Agro), ICAR-ATARI, Kanpur.

He also presented the overall scenario of the Agronomy and Soil scientist of KVKs of U.P. and also transfers new technology to farmer on farm trail. Dr. U.S. Gautam was discussed to all the Agronomy and Soil scientist about the use of new technology method and soil testing. He also urged to the Scientist How they can overcome the difficulties facing during the sample testing through soil testing kit and technology transferring. This programme was Agronomy and soil Scientist training for presented work status and gave future action plan and faces the challenge opportunities of KVKs also monitoring by Government of India.

This programme was organized by ICAR- ATARI Kanpur with participant from all KVKs agronomy and soil scientist which gave the different activity detail of all KVKs like production technology, trench method of sugarcane, nutrient management, bio-fertilizer, OFT programme, Soil testing, balance use fertilizer, transplanting by drum seeder, awareness of soil testing kit, soil sample collection, cash crop,

distribute soil health card, crop rotation, time management, co-operative farming, developed machinery, focus of drip irrigation, high yielding varieties, green manuring, weed management, conservation technology (Zero tillage), reclamation of problematic soil, water soluble cafeteria and farmer training.

Dr. Dhoom Singh delivered his speech and requested to all the KVK Scientists not only to collect the soil sample timely but also to deliver the soil health card to the farmers prior to the sowing of respective crop.

Dr. Tapan Adhikari emphasized on proper soil sample collecting, Training organized among the farmers by the Soil Scientist/ Head of KVKs because it is essential for preparing good soil report. He also requested the scientists to collect samples on grid basis. The parameters of grid sampling should be 2.5 ha for irrigated and 10 ha for rain fed situation.

Dr. T Rama Murthy of Nagurjuna Pvt. Ltd, Hyderabad & Dr. Deepak Kaul displayed the soil testing machine among the KVK scientist and explained how to analyze and develop proper soil test report of soil sample. He gave training on preparation of collected soil sample for test and after that he also discussed the proper method of operating of soil testing Kit.

Following action points emerged from this meeting:

- How they can overcome the difficulties faced during the soil sample testing through soil testing kit and technology transferring.
- Need for focus on distribute soil health card, crop rotation, time management, co-operative farming, developed machinery, focus of drip irrigation, high yielding varieties, green manuring, weed management, conservation technology (Zero tillage), reclamation of problematic soil, water soluble cafeteria and farmer training.
- The scientists to collect samples on grid basis. Parameters of grid sampling should be 10 ha for irrigated and 2.5 ha for rain fed situation. At last vote of thanks was given by Dr. S.K. Dubey, (PS) Extension ICAR-ATARI, Kanpur.

Training to plant Protection Scientists of KVKs of Uttar Pradesh

Agricultural Technology Application Research Institute (ATARI), Zone-III, Kanpur organized one days sensitization zonal workshop cum training programme on Plant Protection Scientists Workshop on 1st September, 2017. The Programme started by Dr. U. S. Gautam, Director, ICAR-ATARI, Kanpur who welcome all the participants of Plant Protection Scientists. Total 41 Plant Protection Scientists participated in this programme. Plant Protection Scientist Shared the Different types of technology and number of OFTs conducted by them as False smut of paddy, OFT for pod borer and wilt, OFT gram are pod borer and wilt, All treatment dusting is best and very effective and main technology are cheapest cost for best result Seed Treatment is increase so



reduce to pesticide consumption. Development of management strategy. This is recommended for TANU technology, best OFT of pulses, etc. Dr. Radheshyam Singh, Ex. Professor Plant Protection CSAUA&T, Kanpur, said that Agriculture has situation based problem. IPM main aim is to be Environment Sound, Use of synthetic organic pesticides. He cleared the Concepts of IPM to Identify the key pests, Agro-ecosystem definition, analysis and management, Development of management strategy and the Steps of IPM are Prevention, Scouting and monitoring, Assessment, and Action. After that the Dr. U. S. Gautam, Director ICAR-ATARI, Kanpur Discussed the feedback obtained from other conferences. This feedback is necessary improve the functioning.

He also cleared the steps of OFTs are Diagnosis, Planning, and Conducting on farm trial, Assessment. At last he Said that Plant Protection Scientist are the real Lieutenant of agriculture. Dr. K.K. Singh Principal Scientist(Plant Protection), ICAR-IIPR, gave the views on the present scenario and demand of the plant protection in agriculture and crop health management such as green manning, zero tillage, mulching, staking, vermicompost. crops are more prone to the insect pests and diseases, so watch the crop properly up to the harvest. Sowing is not a target. By the good harvest we can achieve the goal. At last vote of Thanks given by Shri S.N. Yemul Chief Technical Officer, ICAR-ATARI, Kanpur.

Following action points emerged from this meeting:

- IPM main aim is to be Environment Sound with less use of synthetic organic pesticides.
- Clear Steps of OFTs include diagnosis, planning, and conducting on farm trial, assessment.
- Present scenario and demand of the plant protection in agriculture and crop health management such as green manning, zero tillage, mulching, staking, vermicompost.

पीसीएस परिवीक्षाधीन अधिकारियों के लिए प्रशिक्षण

पीसीएस परिवीक्षाधीन अधिकारियों के लिए अटारी कानपुर द्वारा तीन फेज में प्रशिक्षण सम्पन्न हुआ यह प्रशिक्षण समूहों में कराई गई थी, पहले समूह का प्रशिक्षण 28 अगस्त को 20 लोगो का व दूसरे समूह में 29 अगस्त 20 लोगो की तीसरे समूह में 31 अगस्त को 20 लोगो की प्रशिक्षण दिया गया, दिनांक 28 अगस्त 2017 की प्रशिक्षण का शुभारम्भ डॉ० एस० के० दुबे, प्रधान वैज्ञानिक आई. सी. ए. आर. अटारी कानपुर के द्वारा हुआ, 29 एवं 31 अगस्त के प्रशिक्षण का शुभारम्भ डॉ० यू.एस.गौतम, निदेशक आई. सी. ए. आर. अटारी कानपुर के द्वारा हुआ। जिसमे 20 जिलो के होने वाले डिप्टी कलेक्टर शामिल थे, इस कार्यक्रम में डॉ० एस. के. दुबे ने सभी को फ्रंट लाइन एक्सटेंशन प्रोग्राम के बारे में बताया और इस अटारी के क्या-क्या कार्य हैए इस पर भी विधिवत चर्चा की।

Workshop on Functionality of Different Portal of ICAR



A workshop of "Functionality of Different Portals of ICAR" was jointly organised by ICAR-Agricultural Technology Application Research Institute, Kanpur and CSAU&T, Kanpur at conference hall of ICAR-ATARI, Kanpur on 22nd July 2017. Welcome address given by Dr. S. K. Dubey, PS (AE) for this workshop. Dr. Atar Singh, PS, (Agro.) and Dr. Dhoom Singh, DE, CSAU&T also given their remarks about this workshop. Dr U. S. Gautam, Director, ICAR-ATARI, Kanpur suggested to KVKs that every activity performed by the KVK must be updated in the KVK Portal on same date. In this workshop KVK Heads and Programme Assistant (Computer) of 30 KVKs under CSAU&T, Kanpur area jurisdictions were participated. In this workshop lecture about KVK Portal, mKisan Portal, Soil Health Portal was delivered by Mr. Vinay Dhar Shukla and Mr K. K. Bajpai in the workshop.

भाकृअनुप - कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान, कानपुर, जोन - 3, स्वच्छता ही सेवा अभियान, दिनांक २०.०९.२०१७, बुधवार

आज दिनांक २०.०९.२०१७ बुधवार को स्वच्छता ही सेवा अभियान के अंतर्गत हमारे संस्थान आई सी ए आर अटारी, कानपुर के सभी अधिकारीगण व कर्मचारीयो ने कार्यालय के पीछे की सफाई की जिसमे डॉ अतर सिंह, प्रधान वैज्ञानिक, डॉ शान्तनु कुमार दुबे, प्रधान वैज्ञानिक श्री आर बी वर्मा, श्री एस एन येमुल, श्री कांता प्रसाद, श्री विनय धर शुक्ला, श्री श्रवण यादव, श्री एस एन सिंह, श्री रमन त्रिपाठी कु. वैष्णवी राय, श्रीमती कृतिका शर्मा, श्री बालकिसुन, श्री विवेक यादव कु. सुमन वर्मा,

श्री मनीष कुमार सिंह, श्री के के बाजपेयी, श्री कुलदीप कुमार, श्री विशाल कुमार सिंह, और श्री चंदन सिंह आदि लोग थे सभी ने कार्यालय भवन के पीछे जाकर वहा की सफाई की, स्नानागार के पास झाड़ू लगाई व सड़क पर से कूड़ा बटोरकर कूड़ेदान में डाला गया, सड़क की साफ़ सफाई भी की, इस प्रकार सभी ने कार्यालय भवन के पीछे की सड़क और द्वार की साफ़ सफाई करने में सहयोग किया।



Skill Training For Rural Youth



13 KVKs of Uttar Pradesh organised skill training for rural youth funded by MANAGE Hyderabad through Agriculture Department, Uttar Pradesh. Total 780 rural youth attended the above training programme. KVKs are as Aligarh, Mainpuri, Lucknow, Firozabad, Banda, Chitrakoot, Hardoi, Lakhimpur Kheri, Mathura, GB Nagar, Ghaziabad, Kaushambi, Bhadohi

हिंदी पखवाडा (१४ सितम्बर-२९ सितम्बर, २०१७) का आयोजन



भाकृअनुप-कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान, कानपुर में 'हिन्दी पखवाडा' का आयोजन 14 से 29 सितम्बर, 2017 तक किया गया। निदेशक महोदय ने हिन्दी पखवाड़े के महत्व पर प्रकाश डालते हुए इस दौरान हिन्दी में अधिक से अधिक कार्य करने पर बल दिया। इस दौरान विभिन्न प्रतियोगिताओं जैसे हिन्दी पर विचार प्रस्तुतिकरण, कविता पाठन, वाद-विवाद, प्रश्नोत्तरी, निबन्ध लेखन, हिन्दी अन्त्याक्षरी, भाषण, रिक्त स्थान की पूर्ति एवं हिन्दी यूनिकोड में टंकण आदि प्रतियोगिताओं का आयोजन किया गया। हिन्दी पखवाडा में बहुपयोगी योग एवं जीवन जीने की कला पर अभ्यास, अग्निशामक यंत्र के उपयोग करने की विधि एवं सांस्कृतिक कार्यक्रम का आयोजन भी किया गया जिसमें संस्थान के सभी अधिकारियों एवं कर्मचारियों ने भाग लिया। मुख्य प्रशिक्षक के रूप में श्रीमती सरोज नागरथ जी, कोऑर्डिनेटर आर्ट ऑफ लिविंग; डा. ओम प्रकाश 'आनंद जी', प्राकृतिक चिकित्सा विशेषज्ञ, देव अंतराष्ट्रीय योग केन्द्र; श्री सुशील त्रिपाठी, स्तुति इण्टरप्राइजेज को इन कार्यक्रमों में मार्गदर्शन करने हेतु आमंत्रित किया गया। विभिन्न प्रतियोगिताओं में विजेताओं का चयन किया गया।



KVK HUB/MALL



Concept of KVK hub is based on the principal of *for the farmers, of the farmers and by the farmers*. It is simply a central location where the products of several producers (local farmers) are brought together and offered for sale to a community of buyers (farmers itself).

The product suppliers are often local, small-scale producers who specialize in one or two items, and benefit greatly from the wider exposure a KVKs hub can offer. KVKs hub is key players in helping create consistent, reliable supplies of locally produced foods for farmers in a given area. When local farmers collaborate in a hub, their product is offered alongside others from the same area. This creates a price standard for similar items and maintains a level playing field for all. Additional benefits of collaborating in a KVKs hub are the peer to peer networking and development opportunities that can result. Not to mention that when people get together, great ideas can result, which can have a positive impact on the entire community? KVKs have identified their 50 farmers for each product and have tailored their product offerings to meet the market channel what they have chosen to serve and it is also collaborating 500 farmers to the KVKs. It offers fresh product categories including ghee, shelf stable products like local grains and pulses (red gram, green gram, peas), besan, sattu and mixed flours, other value-added products (moong bari, pickles, banana chips, papad, aonla murabba) and women and childrens wardrobes ,handmade bags, agarbatti, haldi powder, dhaniya powder, masala powder, kalaunji masala, garam masala ,traditional sweet products, chutneys, etc. All products are labeled mentioning name of farmer and packaged by the womens group. KVKs hub is managed by the self help group (Kalakankar Mahila Abhiruchi Samooh) which is facilitated by the KVKs itself.

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