



ICAR-ATARI, Kanpur

Newsletter

ICAR-AGRICULTURAL TECHNOLOGY APPLICATION RESEARCH INSTITUTE, KANPUR

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Director's Desk



During the period of July-September 2020, most meetings and workshops were held online to prevent the spread of Covid-19. Migrant workers were trained under the Garib Kalyan Rozgar Yojana through Krishi Vigyan Kendras. September Month was celebrated as 'Poshan Maah' through Krishi Vigyan Kendras. During this period, Zonal review workshops of KVKs of ATARIs were organized in various ATARIs throughout the country, in these workshops Honorable minister of Agriculture & FW Govt. of India Shri Narendra Singh Tomar & MOS Agriculture, Shri Purushottam Rupala Ji & Shri Kailash Chaudhary ji were present and guided to the ICAR-ATARIs. On the occasion secretary DARE & DG ICAR Dr. Trilochan Mohapatra ji & DDG (AE) Dr. A.K. Singh were present and guided. Krishi Vigyan Kendras presented the progress report of the previous year and the action plan for the current year. Many training programs were conducted online due to the Covid-19 period. The Government of India approved new agricultural bills to bring changes in agriculture and doubling the farmers' income. FPOs will be benefit for farmers. Hon'ble Prime Minister addressed the nation on the occasion of 'Shiksha Parv' and presented the new Education Policy 2020. The foundation stone of the administrative buildings of 6 new Krishi Vigyan Kendras was laid. To review the activities of KVKs SAC meetings were organized virtually. On the occasion of Hindi Diwas, this time Hindi Pakhwara was also organized online through. Review meetings of various projects like DAMU, CRM, NICRA etc. were organized in which many important decisions were taken. A review meeting of ATARIs was also organized by the Honorable Union Minister of State for Agriculture. The workshop was organized by NITI Aayog to promote Organic Farming.

- Atar Singh

Zonal Review workshops of ICAR-ATARI Kolkata KVKs

On 01st July 2020, Dr. Atar Singh, Director ICAR-ATARI, Kanpur participated in online Zonal Review workshop of ATARI Zone -V, Kolkata KVKs. The function chaired by Shri Kailash Chaudhary Minister of State for Agriculture, Dr Randhir Singh, Assistant Director General (AE), ATARI Jabalpur, Director Dr Anupam Mishra and Dr Anjani Kumar have participated. Dr S S Singh, Director Extension Education Central university Jhansi was also present. Valuable suggestions were given by Chairman and Director for making FPO, SHGs, training for migrant workers, online reporting on KVK portal. Inclusion of ITKs for OFT, correlating soil health data in FLD and OFT, exposure visit of the Scientists and farmer's for doing excellent work within state and other states KVKs promoting Horticulture, livestock based systems. The meeting ended with vote of thanks.



Zonal Review workshop of ICAR-ATARI Umiam (Barapani) KVKs

On 03rd July 2020, Dr. Atar Singh Director ICAR-ATARI, Kanpur participated in the inauguration of the annual workshop of Krishi Vigyan Kendras of ATARI Zone-VII Umiam (Meghalaya), under which 43 Krishi Vigyan Kendras of 5 states Manipur, Meghalaya, Mizoram, Nagaland, and Tripura are functioning. Shri Kailash Chaudhary, Minister of State for Agriculture and Farmers Welfare, Government of India, was the chief guest and shared his views. While considering the role of Krishi Vigyan Kendras in Atma Nirbhar Bharat Nirman, he said that Farmer Producer Organization (FPO) of the farmers of the country has been implemented by the Government of India on 19 June 2020. Under this scheme, an FPO was formed by forming a group of 100 farmers for hilly areas and a group of 300 farmers in plain areas will be formed a maximum of 750 farmers can be grouped.

He told that every farmer of the organization will get registration for Rs 2000. an F.P.O. the amount of membership fee will be given by the Central Government. Also, every F.P.O. Rs 18 lakhs given for office, electrical, computer, and EO Assistance will be given for 3 years. A loan of up to Rs 2 crore will be provided with a 33 percent grant for setting up the processing unit. F.P.O. Supply of seeds and other investments will provide technical knowledge and market facility. This will enable the farmers to get maximum benefits at a low cost. This will help in building self-reliant India.

The decision has been taken by the Government of India to sell its products anywhere for the farmers, whose benefit will be given to the farmers. Based on the contract, a contract of 100 rupees stamp will be made on the contract basis to purchase the product at the prescribed price, subject to the conditions prescribed. Visualization of Adarsh Krishi Vigyan Kendras is also necessary to be made to farmers and scientists of other states. Everyone should think, how much he has contributed to building a self-reliant India. The benefit of every knowledge and experience should reach to the farmer. The Krishi Vigyan Kendras are doing excellent work.

On this occasion, Dr. AK Singh, Deputy Director General (Agricultural Extension) of the Indian Council of Agricultural Research-New Delhi, said that small and marginal farmers have access through the centers. He called for the centers' commendable work that has been done on organic farming in the zone under Horticulture, Animal Husbandry, farmers raise Mithun, which gives a lot of profit. Modern farming is important to protect against viruses, so pesticides and other agricultural chemicals should be used to a minimum. Pineapple is exported in abundance, benefiting farmers. Farmers should be assisted with new technology by incorporating pig farming, banana cultivation, in a coordinated farming system. At the local level, varieties of paddy and pulses are developed by the innovation farmers which should be preserved and traditional agricultural knowledge experience should be promoted on validation. ARYA Project is being operated in 6 districts. Under this scheme, employment may be provided by connecting rural youths.

In the end, Dr. B.C. Deka, Director of ICAR-ATARI Zone-VII, thanked Honorable Minister, Dr. A.K. Singh, Deputy Director General (Agricultural Extension), Dr. Randhir Singh, Assistant Director General (Agricultural Extension), Dr. M.P. Singh, Vice-Chancellor of Central Agricultural University, Imphal, Director Extension, Heads of Krishi Vigyan Kendras, Senior Scientist, Directors of all ATARI and other guests.



[Foundation stone laying ceremony of KVK Budaun-II of SVPDAT Meerut](#)

On 07th July 2020, Dr. Atar Singh Director, ICAR-ATARI, Kanpur participated in the Foundation stone laying ceremony of KVK Budaun-II. Hon'ble Minister of Agriculture and Farmers Welfare, Narendra Singh Tomar, Hon'ble Minister of State for Agriculture Kailash Chaudhary, Government of India and Hon'ble Agriculture Minister Shri Surya Pratap Shahi Ji, Government of Uttar Pradesh, Dr. Trilochan Mahapatra, Secretary DARE and Director General of Indian Council of Agricultural Research New Delhi, Dr. A.K. Singh Deputy Director General ICAR-New Delhi, Vice-Chancellor Sardar Vallabhbhai Patel Agriculture. University, local MP and MLAs and other senior scientists were present online.

Honorable Narendra Singh Tomar, Minister of Agriculture and Farmers Welfare and Village Development and Panchayati Raj, Government of

India said that in the absence of time, the foundation of the program was laid through video conferencing because of Covid-19. Hearty congratulations to all the farmers and KVK scientists for working with full potential. It is the 86th Krishi Vigyan Kendra of Uttar Pradesh. The continuous efforts of Chief Minister Shri Yogi Adityanath and Agriculture Minister Surya Pratap Shahi Ji, Krishi Vigyan Kendra of Uttar Pradesh is returning to its role. Farmers' income should be increased, new species should be developed, and all of you who have seen emptiness in agriculture in the past. The work has started. All the 20 newly approved Krishi Vigyan Kendras have been allotted land. In the coming days, KVK will also be started in Rae Bareilly, Prayagraj, and Azamgarh. Our scientists have contributed a lot to the production of horticulture and food grains. In which our institute Indian Agricultural Research Institute Pusa New Delhi, Ranchi, Assam, and Krishi Vigyan Kendras have an important role and responsibility. We know that there is 85 percent of small farmers in our country. There should be training under the Atma Yojana. Honorable Shri Surya Pratap Shahi, Minister of Agriculture, Government of Uttar Pradesh said that in 2015-16, the Government of India approved 20 new Krishi Vigyan Kendra in Uttar Pradesh. No centers were established during 2 years. Uttar Pradesh government has made land available to 20 Kendras on a priority basis and will be implemented this year. Rs. 96 crore was given to 37 Krishi Vigyan Kendras under the National Agricultural Development Scheme so that it can be upgraded. Irrigation, solar pumps, farmers hostel, beekeeping, agricultural education, State Agricultural University, Rs. 1 crore for agricultural science centers. Was given to build the Center of Excellence. All agricultural science centers make self-sufficient, double the income of the farmers, the problem of migrant laborers with organic farming as well as vegetable farming, beekeeping should play a role and adopt 4 to 5 villages and also produce on farmers' fields Try to make it possible to increase it continuously.

Dr. Trilochan Mohapatra, Secretary DARE, and Director General, ICAR-New Delhi: Krishi Vigyan Kendra has become a part of the life of the farmer. Through these, 15 lakh farmers are being trained annually and information and techniques are given

on planting material, demonstration of various crops so that the income of millions of farmers is to be doubled. We try to get basic facilities and there are no obstacles. KVK's program continued despite being new. We congratulate everyone and thank you very much to Shahi Ji, who has lot of contributions to agricultural science centers, and thanks to our Deputy Director-General, Dr. A.K. Singh.

General (AE) Dr. A.K. Singh said that the KVKs who are already working should choose a new village. Also, stay connected with the earlier village. The villages of Phase II should be selected by Krishi Vigyan Kendra.



Online Meeting of NICRA Project

On 08th July, 2020, an online meeting was held for the selection of a new district for the NICRA project in which Dr. G. Ravindra Cherry Director, ICAR-CRIDA welcomed everyone. There are various climatic problems in the 9 ACZ regions of Uttar Pradesh, such as flood, drought, Deplitim of ground water, erosive soils, untimely rains, excessive rainfall, hail, etc., become obstacles. To get rid of these, the inclusion of the NICRA project, after looking at the results of the first phase, 35 more districts have been selected in the second phase, which is the selected districts under different universities.

In the second phase, Dr. BMK Raju (Co-Project Investigator NICRA, CRIDA, Hyderabad) made a brief presentation at the national level regarding the selection of Krishi Vigyan Kendra.

Based on risk assessment, out of 130 Krishi Vigyan Kendras, 109 are in high-risk districts, 201 in high-risk districts are KVKs. 50 other new Krishi Vigyan Kendras to be selected based on risk/extreme risk. Out of the selected 48 districts of Uttar Pradesh, 13 districts already have the NICRA project going on which works on very commendable technologies. In the selected 3 districts of Uttar Pradesh, in which 6 districts are Meerut, 8 District Ayodhya, 8 District Chandra Shekhar Azad Agricultural University Kanpur, 5 District Agricultural University Banda, 9 Districts of Educational Institutions, 3 NGO. Deputy Director



ICAR 92nd Foundation Day celebration

On 16th July 2020, Director ICAR-ATARI Dr. Atar Singh participated in 92nd Foundation day celebration of ICAR, the prize distribution was organized on the 92nd Foundation Day celebrations of the Indian Council of Agricultural Research. On this occasion, Honorable Narendra Singh Tomar, Minister of Agriculture and Farmers Welfare and Panchayati Raj, Government of India, while inaugurating this Foundation Day function, congratulated all the scientists and staff of the Indian Council of Agricultural Research and on entering the 10th decade of the institute Expressed happiness On this occasion, he announced the award of 161 winners under 20 different categories for the year 2019-20, out of which 3 institutes, 2 All India Coordinated Research Projects, 14 Krishi Vigyan Kendras, 97 scientists, 30 farmers, 6 journalists was conferred The award was given to 9 employees of other Indian Council of Agricultural Research. 19 women were also among these awardees. Apart from this, Rajbhasha Award was also given. In all these awards, Sardar Patel was awarded in the excellent ICAR institute category to the Central Marine Fisheries Research Institute Kochi and in SAUs category to Govind Vallabh Pant University of Agriculture and Technology, Pant Nagar, Uttarakhand. Among these awards, at the national level, Pandit Deendayal Upadhyay Krishi Vigyan National Innovative Award was given jointly to Krishi Vigyan Kendra Datia, Madhya Pradesh and Krishi Vigyan Kendra Venkataramannagudem, Andhra Pradesh. At the regional level, the award of excellent Krishi Vigyan Kendra in ATARI Zone-III Uttar Pradesh

was given to the Krishi Vigyan Kendra Basti. NG Ranga Agriculture Diversification Farmer's National Award was given to Mr. Raghupati Singh of Moradabad district, Jagjivan Ram Abhinav Kisan Award 2019 was given to progressive farmer Mr. Vidyan Shukla of Banda district, Pandit Deendayal Upadhyaya Antyodaya Krishi Puraskar 2019 was given to Mr. Agya Ram Verma of Basti district.



Zonal Review workshop of ICAR-ATARI Patna KVKs

On 20th July 2020, Dr. Atar Singh, Director ICAR-ATARI, Kanpur participated in the Zonal Review workshop of ATARI Zone-IV, Patna KVKs. Shri Kailash Chaudhary, Union Minister of State for the Ministry of Agriculture Farmers Welfare, Government of India inaugurated the Zonal Workshop of Krishi Vigyan Kendras under which 68 Krishi Vigyan Kendras of Bihar and Jharkhand are working, Dr. Prem Kumar, the Minister of Agriculture of Bihar chaired the workshop. Shri Kailash Chaudhary said that Krishi Vigyan Kendras have to be strengthened and developed as a model. He stressed the determination of farmers for self-reliance. The Government of India had given an exemption to farmers for harvesting their crops during the Covid-19 lockdown period and facilitated farmers to harvest their crops. Presently India has become self-sufficient in the pulses production, while oilseeds are a challenge. We have to make aware of soil health cards to the farmers and also tell about its benefits. Women should be included in agriculture-related employment training for establishing employment generation. The Minister emphasized food processing and farmer's producer organization can make a good income by setting up the food processing industry. He suggested ICAR make a calendar of agriculture-related schemes of government and it made available to all the KVKs of the country.

The model of integrated farming system, horticulture, animal husbandry, food crops must be established at each center, so that rural youth can be attracted towards employment. Hon'ble Minister interacted with 5 Krishi Vigyan Kendras and reviewed the new works done by them and getting information about their problems, directed the Deputy Director-General to solve them at the earliest.

Hon'ble Dr. Prem Kumar Ji, Agriculture Minister of Bihar State discussed the contribution of KVKs and during Covid-19 lockdown, he said that our KVKs are giving need-based advisories, imparting training to migrant laborers for creating jobs for them. Separate power arrangements have been made for irrigation in Bihar so that uninterrupted power supply can be ensured to the farmers. Strawberries, bees, and drumsticks are being promoted, which are enhancing the income of farmers. The honey of Bihar is being exported.

Secretary DARE & Director-General of ICAR, Dr. Trilochan Mohapatra spoken on objective of this workshop is to assess how much progress has been made and reasons not to achieve the targets and we decide the future action program. Krishi Vigyan Kendras are associated with farmers, guiding them Government of India, programmers are doing commendable work in collaboration with agricultural universities needs further strengthened. A large amount of planting material made available which has increased the area and production of horticultural crops helping in doubling farmers' income by 2022. The income of small and marginal farmers can be doubled from the integrated farming system model and we appreciate the efforts of the Bihar government. Floods and droughts occur in Bihar at are extreme, Hence select paddy varieties tolerant there. There is a lot of potential for goat husbandry, fisheries and horticulture in the state. Due to Covid-19 lockdown, the employment of the migrant laborers of Bihar reduced, the migrant laborers are being trained through the Pradhan Mantri Garib Kalyan Rozgar Yojana. Advanced agricultural technology in Bihar gives more benefits in farming because most people here are in BPL category and are marginal and small farmers.

Deputy Director General ICAR-New Delhi, Dr. A.K. Singh said training is being given for integrated farming system model, farmer producer organizations and agricultural allied sectors. The landless laborers have been helped immensely through the ARYA scheme and employment has also been created.

On this occasion, Dr. Atar Singh, Director, ICAR-ATARI Zone-III, Kanpur, along with Directors of various ATARIs, Heads of Krishi Vigyan Kendras and scientists attended this virtual annual workshop. Dr. Anjani Kumar, Director, ICAR-ATARI Zone-IV, Patna welcomed all the dignitaries and presented the activities and achievements of ATARI Zone-IV Patna. He also discussed about the action plan for the upcoming year.



Zonal Review workshop of ICAR-ATARI Hyderabad KVKs

On 23rd July 2020 Director ICAR-ATARI attended the inaugural function of Zonal Workshop of 71 KVKs of Zone X, Hyderabad. The Chief guest of the program was Shri Kailash Chaudhary ji, guest of honor was Secretary DARE and DG, ICAR Trilochan Mohapatra ji, Chief Secretary of Andhra Pradesh, Manniya Vice-chancellors, DDG (AE) Dr A K Singh ji, ADGs, ICAR-ATARI Directors & Scientists, Directors of ICAR Institutes, Director Extension of SAUs and Head of KVKs were present in function. The Chief guest and others appreciated the work

Zonal Review workshop of ATARI Guwahati KVKs

On 07th August 2020, Dr. Atar Singh, Director ICAR-ATARI, Kanpur participated in workshop of ICAR-ATARI Zone VI Guwahati under which KVKs of North Eastern States are working. Dr. Trilochan Mahapatra, Director General of ICAR welcomed all the honored guests and thanked everyone. He said that North Eastern agriculture is very special and he is doing this through field demonstrations, on farm trials, promotion of seed production, planting material, finger links, piglets, KVK. North East states have their own distinct identity and have strengths and weaknesses. How can we make use of water in proper use by fisheries, industrial crops, food crops, and animals. Government of Tamil Nadu supports the IFS model We should also develop such a proposal or model and send it to the government so that the government will support it there. He told that there is a lot of potential in pig and duck rearing which needs to be encouraged. He told that there is a need for farming like food processing techniques, organic pineapples which will help us in developing entrepreneurship and they can be connected to the big market. We have to double the farmers' income by 2022 under an action plan which is also the goal of our Prime Minister. We have to adopt at least 2 such neighboring villages by the KVKs in our district and develop them by 2022 so that we can get double income and ensure that we succeed in that. Right now we need some KVK resources and employees of North Eastern states which need attention. We have to make the North Eastern state self-sufficient in paddy production. He informed that the Prime Minister has announced an infrastructure development fund for agriculture.

Deputy Director General ICAR-New Delhi, Dr. A.K. Singh said KVKs in North Eastern states have very good prospects which can also be developed as seed production and seed hubs. He also mentioned about quality protein maize. He said that the seed is being produced through the first-line demonstration program and he said to emphasize on exports as well. He praised the work done by the Krishi Vigyan Kendras of Assam State in integrated cropping system.

Closing ceremony of GKRY at KVK Unnao

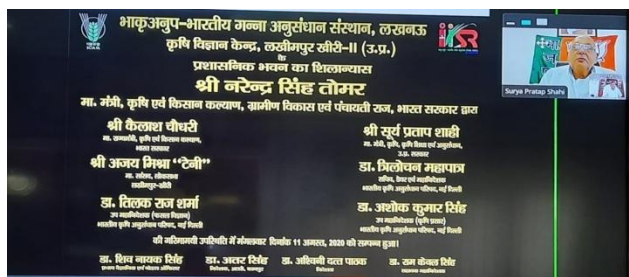
On 7th August 2020 Director ICAR-ATARI Dr. Atar Singh participated in the closing ceremony of GKRY at KVK Unnao. The 3 days training given by Scientists of KVK on preservation and valuable addition. On the occasion Associate Director Extension of BUAT, Banda was also present during this program. We have suggested to trainees to develop a group and start their own business. They were enthusiastic to start their work in the village condition. The proper guidance may be taken from KVK to take financial support, they can also join work in a nearby industry based on skill training. We have distributed certificates to the participants.



Foundation Stone laying ceremony of KVK Lakhimpur Kheri-II of ICAR-IISR

On 11th August 2020 Director ICAR-ATARI, Kanpur participated in the foundation stone laying ceremony of Admin. building of KVK Lakhimpur Kheri II, under IISR, Lucknow, by Chief Guest Manniya Sh Narendra Singh Tomar Ji and Guest of Honour MOS, Government of India Shri Kailash Chaudhary, Minister of Agriculture, agriculture Education and Agriculture Research, Govt.of UP Shri Surya Pratap Shahi, members of Parliament Sh Ajay Mishra Lakhimpur Kheri and Shri A P Reddy from Nellor, A. P. Secretary DARE and DG, ICAR Dr. Trilochan Mohapatra conveyed the best wishes for Both the KVK for serving the farmers for Doubling farmer's income, appreciated the support provided by UP Government to the KVKs. It was suggested that farmers must use advanced technologies for raising production and income. The marketing should be proper. Atmnrirbhar farmers get an advantage. Low-cost production technologies need to popularize. A soil health card is one of them, organic farming must popularize. The program coordinated by Dr. A D

Pathak Director IISR, Lucknow the Meeting ended with a vote of thanks by Dr. A K Singh Dy Director General(AE).



Inauguration of 'Krishi Megh'

On 11th August 2020 'Krishi Megh' (NARES-Cloud Infrastructure and Services) was launched by Hon'ble Minister of Agriculture and Farmers Welfare, Government of India, Shri Narendra Singh Tomar. Honorable Minister of State for Agriculture, Shri Purushottam Rupala, Mr. Kailash Chaudhary, Dr. Trilochan Mohapatra Director General ICAR, Dr. A.K. Singh Deputy Director General (Agricultural Extension), Dr. R.C. Agarwal Deputy Director General (Agricultural Education), Financial Adviser, Vice-Chancellors of Universities, Director ATARI Kanpur Dr. Atar Singh and other scientists were also present. This is a NARES There are a cloud infrastructure and service that will help the students of agricultural universities to get higher knowledge related to agriculture. Dr. Trilochan Mohapatra, Secretary DARE & Director General of ICAR welcome everyone. He told that the data will be used in decision making through 'Agriculture Cloud'. The data will be used for research. NARED A research center is open in Hyderabad. State agricultural universities will be able to benefit from this data. It can also be connected through e-office.

Honorable Prime Minister's Address on 'Shiksha Parv'

On 11th September 2020, the Hon'ble Prime Minister Narendra Modi addressed the '21st Century Schooling' conference under the National Education Policy 2020 through video conferencing. ICAR-ATARI Kanpur Director Dr. Atar Singh participated in the program online. Addressing the students, parents, academics, and teachers of all the states, the Hon'ble Prime Minister said that the new education policy is laying the foundation for building the future of the country, the seeds of the new era are lying. This is a new policy, everything has changed over 3 decades. Society moves towards literacy, the education system was on the old pattern, which needed to be changed.

For this, 4-5 years of hard work. Life depends on what it will be like in childhood, to a large extent it depends on how it will become. The first step to getting out, there is a need to understand your skills better, activity-based learning i.e activity-based learning is very useful. There is a need for more approach than thinking, the situation from the Corona period is not always going to be there, children start thinking scientifically. We have to teach mathematical thinking. Perform brain analysis, development of the mind and brain is necessary. The headteacher must be thinking that we already do the same. In place of the National Education Policy 10+2, the arrangement of 5+3+4 has been done very carefully as a foundation. Playful education is limited to private schools, now it will be found everywhere. Under the National Education Policy, develop knowledge of the elementary language, understanding general articles, reading. Learning to read and read to learn, students can easily read 30-35 words after class 3, which will make it easier to understand the content. See nature naturally. You will get the opportunity to learn in easy, new ways, learn the activities, events yourself, learn to experience constructively. Some teachers are innovative he said.



Independence day celebration at ICAR-ATARI Kanpur

On 15th August 2020 on the occasion of the 74th Independence Day flag hosting was done by Director Dr. Atar Singh and the entire ICAR-ATARI Kanpur team participated in the ceremony. We remembered the freedom fighters their dedicated efforts and make the new generation free to talk, walk and we are following the path as they did. This year again is very crucial for mankind and every living being because of the Coronavirus pandemic. The country is self-sufficient in food stocks, this is because the hard work of the farmers, scientists and government policies.



Zonal Review workshop of ICAR-ATARI Jodhpur KVKs

On 17th August 2020, Director ICAR-ATARI Kanpur Dr. Atar Singh participated in Online Zonal Review workshop of ATARI Zone-II, Jodhpur KVKs. Union Minister of State for Agriculture Shri Kailash Chaudhary inaugurated the workshop under which 63 agricultural science centers of 3 states Rajasthan, Haryana and Delhi are working. The Honorable Minister said that the Department of Agricultural Engineering should do some research so we should not order machinery from outside like spray pesticide. KVKs also need to encourage the farmers about organic farming so that organic farming zones can be declared as happened in Sikkim, so that farmers get good income. He said that the government also emphasized contract farming and said that it has now been legalized in which the farmer can do farming by making an agreement by the merchant.

The Minister also emphasized on food processing and farmers organizations can make a good income by setting up food processing industry. He gave suggestion to ICAR that all the agriculture related schemes of the government should be prepared by making a calendar in all KVKs, which should be in Hindi, English and the respective regional language. On this, he also talked about self-reliant India and said that the agricultural community has a very important place in self-reliant India. Participation of women in every program should be ensured. The model of integrated farming system, horticulture, animal husbandry, food crops should be established at each center, so that rural youth can be attracted towards employment. He stressed on the scheme of Farmer Producer Organization (FPO) has been implemented by the Government of India for the farmers of the country. FPOs will enable the farmers to get maximum benefits at low cost. This will help in

building self-reliant India. The decision has been taken by the Government of India for farmers to sell their produce anywhere, which will benefit the farmers. Everyone should be thinking how much he has contributed to build a self-reliant India. The benefit of every knowledge and experience should reach to the farmer.

Deputy Director General ICAR-New Delhi, Dr. A.K. Singh said that the market structure of Rajasthan is not as good as that of Haryana, so that farmers do not get a better income than Haryana. He called for further strengthening of the Custom Hiring Centers. He also talked about working in coordination with KVK scientists and scientists of ICAR institutes. He urged the KVKs of Rajasthan to make a scheme of 20 to 25 Krishi Vigyan Kendras to plan a specific crop or agriculture related farmers. He spoke of conducting a training program for the youth for the Custom Hiring Center and stressed the need for Haryana to take an alternate crop instead of paddy, so that the water level can be improved.

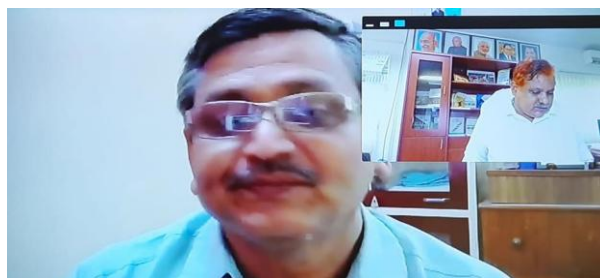
On this occasion, Director of ICAR-ATARI Jodhpur, Dr. S.K. Singh welcomed Minister, Vice Chancellors, Director Extension of all Agricultural Universities, Deputy Director General (AE), DDG (AE), ATARI Directors and all Scientists of Krishi Vigyan Kendras participated in this online annual workshop. KVKs presented the progress report, achievements and Annual action plan for the upcoming financial year 2021-22.



SCSP-IGFRI : Annual Review workshop

SCSP-IGFRI: Annual Review Workshop was held during 17-18 August 2020. In this Workshop KVKs of Zone I, Zone III, and Zone V presented their progress and Annual action plan for 2020 to 21. The inauguration was done by Chief guest of ICAR-ATARI, Ludhiana Director Dr. Rajbir Singh, Dr. V. K Yadav Director IGFRI welcome the participants and give opening remarks. Session III was Chaired by Dr. Atar Singh Director ICAR-ATARI Kanpur. valedictory function guest was

Dr. S K Roy Director ICAR-ATARI, Kolkata on 18th August 2020. The following suggestions were made ; Seed production is the prime need, pallets making machines provided under the project, hay and silage Should be prepared, fodder cafeteria should be developed at farmer's end as well as KVKs, entrepreneur development, linking line department and panchayat for fodder promotion, WhatsApp group of the farmers be developed. Economic analysis of the interventions is to be done, raising the income and production of SC farmers with nutritional security. The landless families provide livestock goatry, poultry, and mushroom, honey production. The fodder grasses on bunds are given priority. Fruits and vegetables are the best options for farmers. The achievements must show to public representatives, farmers, and district officials. The program is coordinated by Dr. Purusottam Sharma. The meeting ended with a vote of thanks.



Review Meeting of DAMU Project

On 25th August 2020 Director ICAR-ATARI, Dr. Atar Singh participated in the Review workshop of the Gramin Mausam Seva (DAMU) project. On this occasion, Dr. K.K. Singh, Head of, Indian Meteorological Department, gave his views and said that in the field of rural agricultural meteorological service, there are many challenges as well as many opportunity. Due to the timely availability of weather-related advisory through Krishi Vigyan Kendras, farmers are benefiting. The AWS will be installed at each KVK center. The installation process has started. Short-term, medium-term weather forecasts are being provided to farmers. KVKs are making agricultural advisory so that the expenditure on agriculture can be reduced. The 'Megh Doot' app is very useful to farmers, which has been prepared by the Indian Meteorological Department. The 'Damini' app is also very useful for warning of lightning. Prevention of accidents is getting the information about lightning in advance along with weather-related advice.

The digitization of bulletin related to the Rural Agricultural Weather Service is to be done. Work is being done on training related to remote sensing, crop simulation module, etc. Weather forecasting through WhatsApp by KVK reaches farmers most easily and quickly. Resources are being used to connect the line department. Work is being done for water resources and disaster risk assessment from the beginning of June.

On this occasion, Dr. Ranjit Singh said that weather forecast bulletin should reach every village. Agro Advisory be divided into 2 sets. Half the district will be covered and half will not be covered. Advisory can be provided by creating a block wise group through smartphone through WhatsApp group, with the help of the line department of the state can help in disseminating weather-related information. A.D.O./T.A. be kept based on economic analysis, positive results are being obtained.

It was agreed in the discussion in the workshop that the work is being done at block level by KVK and success story should be uploaded on the website of the India Meteorological Department should be uploaded regularly. 'Megh Doot' and 'Damini' app should be extended to more and more farmers.



Inaugural function of RLBCAU, Jhansi

Dr. Atar Singh, Director ICAR-ATARI Kanpur, participated in the inaugural function of RLBCAU, Jhansi on 29th August 2020. The office staff of ATARI Kanpur (8), DEs, KVKs, and their staff and Farmers of 86 KVKs of Uttar Pradesh were taken part and listen to Honorable Prime Minister Shri Narendra D. Modi with Shri Narendra Singh Tomar ji with two Ministers of State from MAFW, GOI. Shri Yogi Aditya Nath Ji Chief Minister of Uttar Pradesh also shared their views for Agriculture Education and Agriculture Research of innovations by SAUs, ICAR, and Students. In total 2800 participants taken part on behalf of ICAR-ATARI Kanpur.

Foundation day celebration of ICAR-IIPR Kanpur

Dr. Atar Singh, Director ICAR-ATARI, Kanpur participated in the 28th Foundation Day Celebration of ICAR-Indian Institute of Pulses Research Kanpur on 5th September 2020. In this foundation day celebration, the program started with the ICAR song and the welcome address was given by Dr. N.P. Singh, Director, ICAR-IIPR Kanpur and followed by a brief presentation delivered about Institute. Technologies developed and how best can go for target production. On this occasion chief guest Dr. Trilochan Mohapatra, Secretary DARE, and DG, ICAR New Delhi have given his view and said that all the Ex-directors deserve appreciation about 6 to 7 MT pulses we produced, all colleague contribution is very significant, based on policy and technology revolution. It happened in Dr. N.P. Singh tenure DOAC is highly satisfied. Productivity enhancement, variety replacement rate is 75%. credit goes to demonstrations for deptt. of Agriculture & cooperation. ATARI Director played an important role in CFLDs management practices & varieties. Making seeds available for new varieties. More minimum support prices, 2 million buffer stock is available. Technology criteria and it replicated. 28 MT Pulses production target by ICAR. Rice-fellows need attention (12 M ha) for pulses. More Relevant management practices. Farmers are not adopting technologies gap in these FLD & FPs observed. What should be the action in these areas? New areas to explore the possibility. So many experts are available special breeders. Global level technology tool, sole group of people to work trading for markets & Farmers. Climate change: what best can be done for temperature control, Nutritional issue 45 varieties released the opportunity to further work on tolerance. Soil/Climate etc., Adoptive behaviors with regards to yield need attention. I wish all the very best to all colleagues. Thanks to all ICAR Directors, Participants, and their collaboration.

On this occasion DDG (Crop Science) of ICAR-New Delhi, Dr. T.R. Sharma is present and expressed his views on pulses and the growth of the institute as a special chairman of the program. The distribution of foundation day award to ICAR-IIPR staff for their significant contribution during 2019-20.

All staff took part in the program. The program was ended with a vote of thanks by Dr. G.P. Dixit, Project Coordinator AICRP on chickpea ICAR-IIPR Kanpur.

Review meeting for Poshan Maha celebration

On 08th September 2020 review meeting was taken by Dr. A K Singh, DDG Agriculture Extension for the Poshan Maah celebration. The Anganwadi workers were invited by the nodal officers from the state Government in 40 numbers and the rest 40 to 50 other farmers. The 3- 4 hours program must be arranged by KVKs at their campus and distribution of vegetable seeds, planning, and sapling of vegetables and fruits. A further invitation was given to the Members of Parliament and MLA to take part. The entire month program should be chalked out. The nutritional garden should be established at the Anganwadi center.



Review meeting of ATARIs by Agril Minister

On 9th September 2020, the ATARI Directors review meeting was taken by Sh Kailash Chaudhary Minister of state Agriculture and farmer's Welfare GOI New Delhi online. On the occasion, Secretary DARE and DG, ICAR Dr. Trilochan Mohapatra, and Deputy Director-General Agriculture Extension were also present with both ADG saheb Dr. VP Chahal and Dr. Randhir Singh. All ATARI Directors and Scientists took part in this meeting. Minister saheb lauded and suggested block-wise virtual meeting with farmers at 15 days intervals and giving knowledge on FPOs and Atmnirbhar Bharat. The smart villages must be real villages with IFS models, CHC, CSC, and crop diversification should be visible. Both ADGs requested 7th Pay recommendations for KVK, new infrastructure development, and sufficient staff at the ATARI level. The Director of ICAR-ATARIs presented their activities, achievements on mandated activities, special programs. He suggested all Scientists of ATARIs regularly visit KVKs for boosting moral support to the Staff working during this COVID-19 period. Meeting ended with a vote of thanks by Deputy Director General (AE) to all participants.



Hindi Pakhwada organization at ICAR-ATARI KANPUR

ICAR-ATARI Kanpur celebrated the Hindi Pakhwada program between 14-29 September 2020. The programme began on the occasion of Hindi Diwas on 14 September 2020. Under this programme each day 1-hour various competitions such as Hindi poetry recitation, Hindi translation, prayer writing, quiz, speech in Hindi, Hindi essay, Hindi comment and format writing, group discussion, filling the blanks, Hindi typing, semantics/antonyms / Synonyms, cultural programs, etc. were organized.

After the program, Chairman Rajbhasha Samiti Dr. Atar Singh congratulated everyone for participate in the competitions of this program with full enthusiasm and the successful organization of this program.

On this occasion, Secretary Rajbhasha Samiti, Dr. Shantanu Kumar Dubey, Dr. Sadhana Pandey, Dr. Raghavendra Singh Principal Scientist, Chief Technical Officer Mr. S.N. Yemul, Financial Advisor Mr. K.N. Gupta, Assistant Administrative Officer Shri RB Verma, SRFs and data entry operators were present.



High level monitoring committee meeting on CRM Project

On 24th September 2020, under the chairmanship of Dr. Trilochan Mohapatra, Secretary DARE and Director General of ICAR, A high-level monitoring committee meeting was held online to monitor the project.

Deputy Director General (AE) Dr. A.K. Singh was also present. Accelerate all activities according to the action plan.

1 Krishi Vigyan Kendras will report ATARI every week for the I.E.C. program CRM Project.

2. Farmers should be made aware to prevent stubble burning.

3 The machines available under the project should be available for use by all. According to the need, machines should be presented at different places and their usage data should be presented.

5 T.A./D.A. Money is no longer being spent under the head so use it for sanitization. Because almost all the meetings are happening online due to Corona.

6. It was approved to build virtual smart rooms at Krishi Vigyan Kendras, which will have laptops. Through this, farmers and other meetings can be connected online and 3-4 lakh expenses can be fixed.

Inauguration function in ICAR-IIMR Hyderabad

On 24th September 2020 Honorable Shri Narendra Singh Tomar, Union Minister of Agriculture and Farmers Welfare, Government of India, inaugurated Institute Building, Crop Upgradation Area, Nutritious Grain Innovation Center, Food Processing Laboratory and Guesthouse at ICAR-Indian Institute of Millets Research, Hyderabad. The inauguration of the building was done online, the information was given by Dr. Atar Singh, Director, ATARI Kanpur. Honorable Mr. Kailash Chaudhary, Union Minister of State for Agriculture and Farmers Welfare, Government of India was also present at the inauguration ceremony.

Hon'ble Shri Narendra Singh Tomar, Union Minister for Agriculture and Farmers Welfare said on the occasion that it is a moment of happiness that 5 facilities have been inaugurated today at the Indian Kannada Research Institute, Hyderabad. The Indian Council of Agricultural Research and all its institutes and scientific research are doing very well. Necessary facilities are required to keep this work going well. I am happy that these 5 facilities were launched today in the institute and through them you will be able to work easily. Kadan has great importance as a nutritious grain. Jowar, Bajra, Sawan, Kondo, Manduwa, Kutki etc. are nutritious grains which we always need. These nutritious grains are reaching the homes of people through various means. The Prime Minister has set a target of doubling the income of farmers by 2022, growing all crops like food grains, pulses, oilseeds, millets etc.,

if the farmers produce according to the climate of their region, then they will be successful in doubling the income of the farmer. The Prime Minister has focused on the prosperity of the village, the poor and the farmer from the beginning. Earlier, the minimum support price was declared for only few crops, but with the efforts of Hon'ble Prime Minister, now the minimum support prices for different crops are declared.

Dr. Trilochan Mohapatra, Secretary DARE and Director General of ICAR, New Delhi said that Today 5 new facilities are going to be launched in this institute, which will definitely benefit. The processing system of this institute is widely appreciated throughout the country. There is also a very good system for training. Through the center of innovation, new research will be done and training will be given. Knowledge will be given to farmers about new researches and techniques. Seed hubs have been established to meet seed shortages, through which seed production has increased.

The program was conducted by Dr Vilas Topani, Director of ICAR-Indian Millets Research Institute, Hyderabad. Scientists from various ICAR institutes participated in the program. At the end of the program, Dr. Tilak Raj Sharma, Deputy Director General (Crop Science) thanked everyone for participating in this ceremony.



Training programme for SMS (Agromet) by IMD

On 24th September 2020, the training program was organized by the India Meteorological Department, Government of India, for the preparation and dissemination of agricultural meteorological advice at the block level for SMS Agromet working under the DAMU Project.

Chief Guest Dr. M. Mahapatra, Director General, IMD, New Delhi congratulated for the good performance. He praised the Indian Council of Agricultural Research, saying that it would not have been possible without his cooperation. Our focus is on water conservation.

The quality is improved at the block level through KVK has improved significantly. Advisory has to be made in easy language for farmers to understand. In collaboration with the Ministry, small bulletins should be sent directly to the farmers. Common service centers will prove to be better for connecting directly with farmers. Good work is being done by reaching out to the farmers who have a smartphone and reaching them through social media and WhatsApp. Bulletins are being put on Tuesday and Friday.

The program was chaired by Dr. K.K. Singh, Agromet, New Delhi welcomed the address. Chief Guest Dr. M. Mahapatra, Director General, IMD New Delhi, Guest Dr. A.K. Singh, Deputy Director General (AE) ICAR New Delhi, Dr. Randhir Singh ADG (AE) ICAR New Delhi, Dr. DS Pai, IMD Pune, ATARI Directors of all other zones, Dr. Raghavendra Singh, Dr. Balasubrahmanyam, Scientist E, IMD, Pune and the Scientists of Krishi Vigyan Kendras associated with 'Rural Agricultural Weather Service Project' Experts (grommets) and other scientists were present. Dr. D.S. Pai IMD Pune, and Dr. Randhir Singh, ICAR New Delhi gave their views.

At the end of the program, Dr. Balasubrahmanyam, Scientist E, IMD, Pune thanked all the members present in the program.

Meerut, Principal Secretary Agriculture of Government Uttar Pradesh, and staff of the university were present during this occasion. Director ATARI online Participated in the ceremony.



Online workshop of CIFA, NFDB and ATARIs

On 27th August 2020 online workshop of Central Institute of Freshwater Aquaculture, National Fisheries Development Board, and Agricultural Technology Applications Research Institute (ATARI) Zone I to XI was organized. Director ICAR-ATARI Kanpur Dr. Atar Singh participated in the workshop. The inaugural address was given by Dr. Saroj Kumar Sawain, Director of ICAR-CIFA. Dr. JK Jena Deputy Director General (Fisheries) was the chief guest at the meeting. Dr. A.K. Singh DDG (AE) ICAR New Delhi, Mr. Sagar Mehra, Joint Secretary, Department of Fisheries and Animal Sciences, Government of India, Dr. Randhir Singh (ADG), and Director of ATARI of Zone I to XI were present. There are 20 demonstration and seed production units at Agricultural Science Centers under ATARI Kanpur. There are immense possibilities of fish production in the alkaline lands, as well as the old ponds along the river can be used. 400 Krishi Vigyan Kendras participated in it. The presentation was presented by Dr. Atar Singh, Director, ATARI Kanpur Zone-III. Any person interested in fisheries who has his private pond or private land or lease pond can get a fisheries facility in any district of Uttar Pradesh. Technical knowledge of fisheries and necessary training for fisheries can be obtained at the Block / Tehsil level from the Regional Fisheries Development Officer / District or Divisional Office and Krishi Vigyan Kendra of the district. Fish seed is supplied by Fisheries Department / Fisheries Development Corporation. Interested fishermen can obtain fish seed through them.

In the meeting, Mr. Sagar Mehra, Joint Secretary,

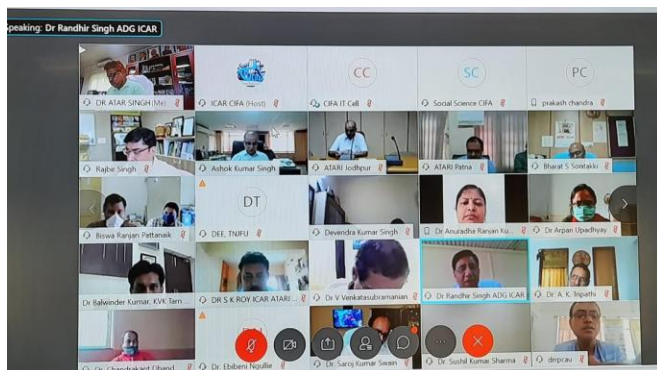


Inaugural function of KVK Hapur and Stone Laying Ceremony of KVK Sambhal, Bulandshahr and Moradabad-II

The stone laying ceremony of KVKs of SVPUAT, MEERUT, Sambhal, Bulandshahr, Moradabad II, and the inauguration of KVK Hapur Administrative buildings was done online by Shri Yogi Aditya Nath ji honorable Chief Minister of Uttar Pradesh on 25th September 2020. Minister of Agriculture Research and Education Govt. of Uttar Pradesh Shri Surya Pratap Sahi ji and other Ministers of Govt. Local public representatives were present during this function. Deputy Director-General Dr. AK Singh, ICAR, New Delhi, Vice-chancellor Dr. R K Mittal of SVPUAT,

Fisheries and Animal Husbandry Department informed that the government is promoting fisheries production through the Pradhan Mantri Matsya Sampada Yojana and production-related advice is being given. Farmers can earn fishery profits by forming productive organizations. There is a need to increase production capacity and more marketing of fish products. A review meeting needs to be done continuously.

Deputy Director General (Fisheries) ICAR said that the target should be based on the species and production of fish. We need to take more care of how to create a domestic fish market and how to transform it into a big industry. The national fisheries policy is very effective.



Workshop of NITI Aayog for promoting Organic farming

Director ICAR-ATARI participated in NITI Aayog's 2-day workshop to promote natural farming started online on 29th September 2020. The inaugural address was given by the Honorable Governor of Gujarat State Acharya Devavrat Ji. The Honorable Governor said that there are immense possibilities in India in natural farming. Under the leadership of Hon'ble Prime Minister Modi, due emphasis is being given on agricultural reforms in the country. The Government of India has set a target of making 20 lakh hectares of land free of chemicals in the next 5 years. The cost of agriculture is increasing, the Hon'ble Prime Minister aims to double farmers' income by 2022. We need to reduce the cost of Organic agriculture, it is not possible to double the income of farmers without reducing the cost. Through natural cultivation, it will be possible to reduce costs and increase production. Today it has become very necessary for us to adopt natural farming. On this occasion, Honorable Narendra Singh Tomar, Minister of Agriculture and Farmers Welfare, Government of India congratulated everyone for this initiative.

Hon'ble Minister assured that full support will be received from the Government of India to encourage natural farming.

Deputy Chairman of NITI Aayog, Shri Rajiv Kumar thanked the honorable Agriculture Minister for promotion of natural agriculture. The Vice President said that today 400 people are involved in this workshop. Today our words are being heard all over the country. This workshop will run for 2 days. 2 sessions will be run throughout the day, views of farmers/traders related to natural agriculture will also be heard.

We will discuss how to pursue natural agriculture by adopting the method of Mr. Palekar. We have already crossed the barrier of food security long ago, now we have to overcome the obstacle of becoming self-sufficient and major exporters in the field of natural agriculture.

Scientists and farmers associated with various state agricultural universities, agricultural science centers, ICARs also presented their views in the workshop. CEO of NITI Aayog Shri Amitabh Kant, Member of NITI Aayog Prof. Ramesh Chandra, Secretary DARE and Director General of ICAR Dr. Trilochan Mohapatra were present along with other officials and scientists in the workshop.



Quarterly Progress Report

S.No.	Activities	Achievement
1	On- Farm Trials Conducted (Nos.)	71
2.	Frontline Demonstrations Conducted (Nos.)	2947
3.	No. of Farmers and farm women Trained (Nos.)	14464
4.	No. of Extension Personnel Trained(Nos.)	2071
5.	Production of Seeds (in Quintals)	5624
6.	Production of Planting materials(inlakhs)	2.57
7.	Production of livestock strains and fingerlings(inlakhs)	0.38
8.	Soil and water samples tested (Nos.)	1233
9.	No. of Farmers provided mobile agro-advisory(in lakhs)	6.45
10.	No. of Farmers participants and other stakeholder Benefitted/Awareness created through various Extension Activities (in lakhs)	0.61

IFS Model

Name of Farmer: Sri Amon Lakra, **Addr.:** Village Abhaypur, Block Kyara, District Bareilly (Uttar Pradesh),
Mobile No. 9319085092,

**1. Situation analysis/Problem statement:**

Sri Amon Lakra Village Abhaypur, Block Kyara, District Bareilly (Mobile No. 9319085092, Adhar No. 639799536198) having 18 acre of land. It was low land and having limited options for crop production. Another problem was the land is surrounded by railway line from two sides and road from other side, thus limiting the scope of proper drainage. He visited KVKs IFS model and interacted with experts at KVK. We have also visited the farm and suggested interventions.

2. Plan, Implement and Support:

KVK experts after visiting the farm suggested going for fishponds in low Land area. The soil dug may be utilized as filling to raise the level of other area. Raised area will facilitate to grow/establish other components of IFS related activities. Training imparted on Integrated Fish Farming at KVK, which helped him in successfully starting the fishponds. He was also suggested to establish a Duckery unit besides the fishpond. Latter he took training on Dairy, Bee keeping, Pig Farming, Crop production and Horticulture from KVK IVRI and training in poultry from CARI, Izatnagar and added these units from time to time. KVK supported him by providing technical expertise, seed and planting material and facilitated exposure visits. Regular visits of KVK experts and suggestions for further improvement paved the way of his success.

3. Output: Sri Lakra has developed the IFS model in such a way that every component of the model is supplementing to other component in the system and this has helped him in reducing the cost of production and maximizing the returns.

Table 1: Size and Average Production of different components

Component	Breed	Number/Area	Average Yield	Feed/Nutrient Management
Dairy (Cattle/ Buffalo)	HF cross cattle and Murrah	07	2440 kg/lactation	Oat, Berseem, Napier, Wheat straw and concentrate mixture
Piggery	Large White Yorkshire	07	250 kg/animal (Parent Stock)	Berseem, Wheat Bran, Banana Stem, Farm Waste and Chicken Waste
Goatery	Black Bengal	10	24 kg/animal (Parent Stock)	Grass, Berseem, Napier, Wheat straw, leaves of fruits and vegetables and concentrate mixture
Poultry	Aseel and CARI Shyama	60	185 eggs/bird	Jowar, Bajara, Wheat Bran, and Farm Waste
Duckery	Mixed	120	190 eggs/duck	Feeding from fish pond, Farm Waste and concentrate mixture
Fisheries	IMC, Exotic Carps	20000/ fingerlings	4000 kg/acre	Farm/dairy/poultry/duckery waste and concentrate mixture
Banana	G9 and Local	200 plants	5000 kg/year	Irrigation from pond water, manures from dairy unit
Crop Production	Wheat, Paddy, and Mustard	10 Acre	4000 kg/acre	manures from livestock and other poultry unit, farm waste, vermicompost, DAP/Urea
Fodder	Napier, Berseem, oats, Sorghum	3 Acre	70000 kg/year	manures from livestock and other poultry unit, farm waste, vermicompost, DAP/Urea

Table 2: Annual Average Return from different components of IFS

Units	Cost of production (Rs)	Gross return (Rs)	Net Return (Rs)	Benefit Cost ratio
Fishery	114140	360000	245860	3.15:1
Dairy	161411	332166	170755	2.05:1
Piggery	227616	438900	211284	1.92:1
Poultry	40108	60133	20025	1.49:1
Duckery	56310	107400	51090	1.90:1
Banana	5400	75000	69600	13.88:1
Crops	360000	640000	280000	1.77:1
Total	964985	2013599	1048614	2.08:1

Outcome: Through, adoption of IFS model Mr Lakra's income has increased almost three times and his success encouraged other farmers of the district and many more farmers have adopted the model. As of now, 27 farmers are practicing different kinds IFS model successfully.



भाकृअनुप-कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान

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