



NEWSLETTER

ICAR-ATARI, KANPUR



Vol. 33

October-December, 2023

From Director Desk.....

Climate change mitigation is an action to limit the climate change related influences. This action either reduces emission of green house gases or removes those gases from the atmosphere. Solar energy and wind power have the greatest potential for mitigation at the lowest cost compared to a range of other options. Green house gas emission from agriculture include methane as well as nitrous oxide. It is possible to cut emission from agriculture by reducing food waste, switching to a more plant based diet, by protecting ecosystem and by improving farming processes. There are many measures to increase soil carbon which are often complex and hard to measure and account for. Thus, the relevance of comprehending and operationalization of Ecological Footprint becomes very relevant. Conservation farming, therefore, can protect carbon in soils and repair damages overtime. The farming practices of cover crops form climate smart agriculture. Regenerative agriculture also embraces conservation tillage, maintaining diversity, rotation and cover crops. It also includes minimizing physical disturbance and supporting carbon sequestration in soils. It has other benefits like improving the state of soils and consequently yields. The Intergovernmental Panel on Climate Change (IPCC) defines mitigations as “Human Interventions to reduce emission or enhance sinks of green houses. It is possible to approach various mitigation measures in parallel. The prominent measures includes–sustainable energy and sustainable transport, energy conservation including efficient energy use, sustainable agriculture and green industrial policy and enhancing carbon sinks and carbon dioxide removal (CDR).



Looking these important points in view, Krishi Vigyan Kendras are expected to follow mitigation strategies to sustain ecosystem to maintain human civilization. PM-KUSUM Yojna need to be popularized among farmers to generate large amounts of low-carbon energy and which could be the best option to reduce emissions before 2030 at low cost.

- Shantanu Kumar Dubey

News Index

- ▶ **Purvanchal Kisan Mela and Krishi Pradarshini** 1
- ▶ **Mid Term Review and Action Plan Workshops of KVKs of UP :**
 - KVKs of Eastern Plain Zone (UP) 2
 - South Western Semi Arid and Central Plain Zones (U.P.) 3
 - Bhabar & Tarai Zone, Western Plain Zone and Mid Western Plain Zone5
- ▶ **Zonal Review Workshop of Farmer FIRST programme** 6
- ▶ **National Workshop of Farmer FIRST** 8
- ▶ **FPO based technology delivery system** 10
- ▶ **“Vintage Village ” for promoting agro-tourism**11
- ▶ **Viksit Bharat Sankalp Yatra**12
- ▶ **Registration of farmers’ varieties under PPV&FRA** 12

Publication Committee

Shantanu Kumar Dubey
 Sushil Kumar Singh
 Raghendra Singh
 Seema Yadav
 Yemul Sanjeev N.



Purvanchal Kisan Mela and Krishi Pradarshini in Gorakhpur



Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur participated as Guest in inauguration function of *Purvanchal Kisan mela and Krishi Pradarshini* at KVK Gorakhpur-II on 03.10.2023, This function was inaugurated by Hon'ble Chief Minister of Uttar Pradesh Shri Yogi Adityanath ji. Hon'ble Chief Minister who also inaugurated the newly constructed buildings/various units under RKVY scheme and also supported/funded by ICAR for KVK Gorakhpur-II. Hon'ble Agriculture Minister of Uttar Pradesh Shri Surya Pratap Shahi ji and Dr U.S. Gautam, DDG (AE), ICAR, New Delhi was also present in this occasion.



Mid-term review workshop of Krishi Vigyan Kendras of Eastern Plain Zone (UP) organised by ICAR-ATARI Kanpur



A two-days Mid-term review workshop of 17 Krishi Vigyan Kendras under the Eastern Plain Zone (UP) of ICAR-ATARI, Zone-III, Kanpur, Uttar Pradesh was inaugurated on 12 October 2023. On this occasion Dr. Shantanu Kumar Dubey, Director of ICAR-ATARI Kanpur said that this workshop is being organized to review the progress and mainly to finalize the action plan (2024) for the KVKs of Uttar Pradesh. He welcomed all the participants and also briefly explained the purpose of this workshop in which the action plan is the main focus. Director ATARI Kanpur said that all the Krishi Vigyan Kendras are doing good work in every fields of farming but there should be adequate documentation of the work done by them which is very crucial for policy making and research planning. Each KVK should select and demonstrate the technology keeping in mind the most prioritized problem in the selected villages.

Dr. S.K. Singh, Principal Scientist, ICAR-ATARI, Kanpur told on this occasion that it is the responsibility of the Subject matter specialists (SMS) at each KVK is to solve the problems faced by the farmers in the field and to work along with the farmers and other related stakeholders. Dr. R.R. Singh, Addnl. Director Extension, ANDUAT, Ayodhya requested every to observe and study the problems arising in whatever



technology reaches the farmers' fields especially weed management and fertilizer management, insects pest management, etc.

Dr. S.S. Singh, Director Extension, Rani Lakshmi Bai Central Agricultural University, Jhansi gave introductory remarks on Krishi Vigyan Kendras. He also requested if KVKs shall work together with FPOs on technology transfer, they will get 100% success.

Dr. O.P. Singh, former Director of Extension, SVPUAT, Meerut also gave an address on this occasion. He also inspired all the scientists present to think like a scientist.

After the inaugural session, the technical session started in which the KVKs of the Eastern Plain Agro-climatic Zone of Uttar Pradesh, specifically Ballia, Mau, Varanasi, Ayodhya, Azamgarh-II, Barabanki, Chandauli, Jaunpur-I etc. presented the action plan 2024, which was reshaped by the experts. In order to ensure greater generalizability of KVKs works, common OFTs were identified across the neighboring districts in this zone. At the end, vote of thanks given by Dr. Raghwendra Singh, PS (Hort.).



Mid-Term Review Annual Action Plan-2024 workshop of KVKs of South Western Semi Arid and Central Plain Zones (U.P.)



During 26-27 October 2023, a two-day Mid-term Review Annual Action Plan-2024 Workshop of 25 KVKs under South Western Semi Arid and Central Plain Zones of Uttar Pradesh was organised at ICAR-ATARI, Zone-III, Kanpur. On the first day of the workshop, Heads of 12 KVKs (Agra, Mathura, Firozabad, Mainpuri, Aligarh, Etah, Mahamaya Nagar, Kasganj, Prayagraj-I, Fatehpur, Kaushambi and Pratapgarh) have presented their action plans of their Krishi Vigyan Kendra for 2024.

In the inaugural session, Dr. S.K. Singh, Principal Scientist (AE), ICAR-ATARI Kanpur & Former Director, ICAR-ATARI, Jodhpur, Rajasthan welcomed all the Heads & Scientists and briefly explained the purpose of this workshop. The Action plan was the main focus of workshop and the work done by the KVKs for the year 2023 was also reviewed in the meeting. He has also emphasized that there is a special need to develop and implement On-farm trials considering the problems of farmers in all KVKs. Each KVK should select and demonstrate the technology based on the current prevailed farming situation of the selected villages.

Dr. Raghwendra Singh, Principal Scientist (Horti), ICAR-ATARI, Kanpur gave introductory remarks. He also requested all the KVKs for proper documentation of information about the varieties and cropping area

being planted in rice and wheat, the documentation of percentage of each species etc. is necessary. He urged KVKs to work by solving whatever field with farmers participatory mode.

Dr. R.K. Yadav, Director of Extension, CSAUAT, Kanpur informed about the vision and work of KVKs and also urged KVKs to work on water table management, weed management, fertilizer management etc.

Dr. O.P. Singh, former Director of Extension, SVPUAT, Meerut also gave an address on this occasion. He also suggested to all SMSs to work as a team for a particular problem has also stressed upon all the scientists to think and work together. He urged KVKs to work by taking the farmers along with and keeping in mind farmers' problems, so that the farmers can get real benefits

After the inaugural session, the technical session started in which all, 24 Krishi Vigyan Kendras presented the Action Plan 2024, which was reviewed by the resource persons and gave their comments and suggestions. On this occasion, UC/AUC, Budget status, Expenditure, PFMS, Agri-drone, opening of separate bank accounts for project and financial position for each project, *Rabi* demonstrations under Crop Residue Management Project, NICRA Project, NARI Project, Natural Farming Project etc. topics were discussed in detail.



Convergence Platform (CP) Meeting at ICAR-IISR Lucknow

On 30.10.2023, ICAR-ATARI, Kanpur organized the Convergence Platform (CP) meeting at ICAR-IISR, Lucknow. Dr. R.K. Singh, Additional Director (Extension), Govt. of Uttar Pradesh, Dr. Sujit Kumar from UPCAR, Dr. RK Malik, Dr. Ajay Kumar, Dr. Sugandha Munshi from CSISA, Heads of 5 KVKs, representatives from Bayer Crop Science, ITC, IFFCO, DRF, Digital Green and BUAT, participated in the meeting. There were discussions on several issues for improving rice and wheat yields, as well as system yield. Dr RK Singh, Additional Director (Extension), Uttar Pradesh Government was the chief guest of meeting. The support of KVKs and participation of officers of the DOA in facilitating the long-term trials were appreciated.



Mid-term Review Action Plan-2024 Workshop of KVKs under Bhabar & Tarai Zone, Western Plain Zone and Mid Western Plain Zone (UP) organised by ICAR-ATARI Kanpur



During 2-3 November 2023, a two-day Mid-term review Annual Action Plan workshop of 24 KVKs of Bhabar & Tarai Zone, Western Plain Zone and Mid Western Plain Zone of ICAR-ATARI, Zone-III Kanpur, Uttar Pradesh was inaugurated.

Dr. O.P. Singh, former Director (Extension), SVPUAT, Meerut addressed this occasion. He appealed KVK Heads & SMSs to work according to mandate of KVK in farmer participatory mode.

Dr. Shantanu Kumar Dubey, Director, ICAR-ATARI, Kanpur welcomed all the guests, KVK Heads & Scientists in the workshop and explained in detail about the objective of this workshop. He expressed that the main objective of the mid-term workshop is to prepare the action plan of Krishi Vigyan Kendras for the year 2024. Also the work done by Krishi Vigyan Kendras in the year 2023 was reviewed agro-climatic zone wise.

Dr. P.K. Singh, Director (Extension), SVPUAT, Meerut informed that all the KVKs of SVPUAT Meerut have designed their OFTs after conducting PRA and problem cause analysis

Dr. Raghendra Singh, Principal Scientist, ICAR-ATARI, Kanpur, in his address also requested the KVK scientists to study the problems faced by farmers and select the suitable technology for assessment and demonstrations.

Dr. Seema Yadav, Scientist, ICAR-ATARI Kanpur, in her address shared her views on diseases of farmers' animals, nutritious food, designing OFTs etc. with KVKs to improve the fertility and overall health of animals of farmers for enhanced productivity.

After the inaugural session, the technical session started in which 24 Krishi Vigyan Kendras of Bhabar & Tarai Zone, Western Plain Zone and Mid Western Plain Zone of Uttar Pradesh presented the Action Plan 2024 and which resource persons critically reviewed and gave their comments and suggestions for proper modification. At the end of programme, vote of thanks was given by Dr. Seema Yadav, Scientist, ICAR-ATARI, Kanpur



Zonal Review Workshop of Farmer FIRST programme held at ICAR-ATARI, Kanpur



A zonal level review meeting of the Farmer FIRST programme (FFP) was held on November 8, 2023, at ICAR-ATARI, Kanpur. All the seven partner ICAR institutes, namely ICAR-IIFSR, Meerut; ICAR-CIRC, Meerut; ICAR-IIPR, Kanpur; ICAR-IIVR, Varanasi; ICAR-CISH, Lucknow; ICAR-IVRI, Bareilly; and ICAR-IGFRI, Jhansi, participated. Besides, the external expert members of Zonal Project Management Committee (ZPMC), Dr. O.P. Singh, Former Director (Exten.), SVPUAT, Meerut; Padma Sri Sh. Sethpal from Saharanpur and Padma Sri Sh. Chandrashekhar from district Varanasi, also joined the workshop.

Chairman of the workshop Dr. OP Singh emphasized for integration of the cropping system approach vis-vis the farming system approach in the project villages. He suggested for assessment of the best technologies by involving more farmers and the extent to which the technologies have percolated to neighboring villages.

Padmashri Sri Chandra Shekhar Singh said that scientists should work on farmer's concerns. FFP is a successful program and its extension should be involved more and more for farmers.

For sugarcane field, he suggested intercropping of several profitable crops like green gram, mustard, spinach, coriander, etc.

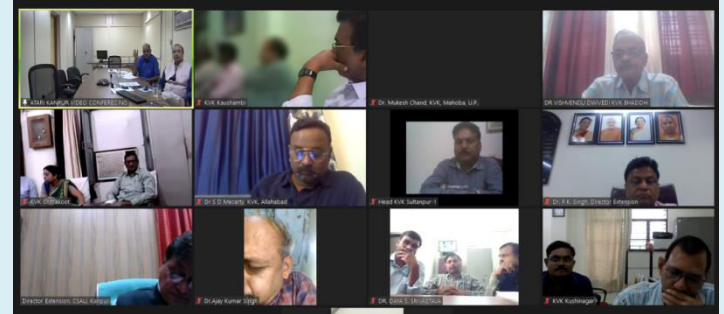
Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur, and Chairman of the ZPMC, emphasized for ensuring the sustainability of the project-related experiences of the first phase from 2016 to 2021. He also suggested that for scientific and successful activities of the project, efforts are needed to use different innovations (methods and technology) He also urged to create the appropriate platform for ensuring convergence with all related stakeholders so the out-scaling of the success cases may be ensured.

Each Scientist of the FFP centre must reach to farmers by unlearning their pre-conceived ideas, and encourage farmers to share their experiences, in feedback with the scientist-farmer interface. Dr. Dubey said the second phase is mandatory for each centre to evolve the action plan through objective problem analysis using participatory rural appraisal exercise. Action plan is to be more meaningful and need base and in scientific terms. At the outset, Dr. S. K Singh, PS (AE) welcomed the Chairman, ZPMC, and Director, ICAR-ATARI, Kanpur; all the participating PIs and CoPIs of FFP; and the external experts. Dr. Singh briefed the house that ICAR lead to 52 FFP centres all over India and the main philosophy of the project and its major functional themes. He also proposed the vote of thanks.



Hon'ble DG ICAR ICAR's interacted with KVKs, DEs & ATARI Directors

On 09.11.2023 Dr. Himanshu Pathak, Secretary DARE & DG ICAR virtually interacted with KVKs & DEs of all ATARIs. In the interaction DG ICAR guided KVKs regarding Viksit Bharat Sankalp Yatra starting from November 2023. Dr. U.S. Gautam, DDG (AE) also interacted with KVKs and gave instructions regarding Viksit Bharat Sankalp Yatra. From Zone-III, Kanpur, Director ATARI Dr S.K. Dubey along with all KVKs and DEs participated in the interaction.



Participation in Online Interaction meeting of Secretary DARE & DG ICAR with Directors of ICAR Institutes and ICAR-ATARIs

On 17.11.2023 Dr. Himanshu Pathak, Secretary DARE & DG ICAR chaired an online interaction meeting with Directors of ICAR Institutes and ICAR-ATARIs. Dr. U.S. Gautam, DDG (AE), ICAR, New Delhi was also present in the meeting. In the meeting Hon'ble DG ICAR interacted with Directors of ICAR institutes and ATARIs about achievements and issues. He also discussed for preparation of Viksit Bharat Sankalp Yatra. Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur briefed DG ICAR about achievements of ICAR-ATARI, Zone-III, Kanpur.

Virtual Meeting organised with KVKs on Vikasit Bharat Sankalp Yatra

On 10.11.2023 a virtual meeting for the preparation of Viksit Bharat Sankalp Yatra was organized by ICAR-ATARI, Kanpur under the chairmanship of Dr S.K. Dubey, Director, ICAR-ATARI, Kanpur. All KVKs of Zone-III, Uttar Pradesh along with Director Extensions of SAUs participated in the meeting. All KVKs were guided and directions were provided for smooth execution of Viksit Bharat Sankalp Yatra starting in November 2023.



Mid-term Review and Action Plan meeting of KVKs under Bundelkhand, North Eastern Plains & Vindhyan Zones (UP) organised by ICAR-ATARI, Zone-III, Kanpur



On 17 November 2023, a Two-days Mid-term Review workshop of 23 KVKs under Bundelkhand, North Eastern Plain & Vindhyan Zones of Uttar Pradesh has been initiated at ICAR-ATARI, Zone-III, Kanpur.

At the outset, Dr. Shantanu Kumar Dubey, Director, ICAR-ATARI, Zone-III, Kanpur welcomed all the experts and participants. He expressed that this workshop was being organized to guide the KVKs for action plan preparation for the year 2024 for 23 KVKs of Bundelkhand, North Eastern plains and Vindhyan agro-climatic zones of Uttar Pradesh. Dr. Dubey urged the participating KVKs to understand and appreciate the needs, situations and problems of the farmers of their districts in order to develop the need based and situation specific technical plan and execute them in farmer-centric and science-led manner. The findings there of shall be meaningful to the State line department (field extension system) so that the problems of the farmers can be solved at scale. He emphasized that there is a special need to develop and implement On-farm trials considering the major issues of farmers' prioritized problems by every KVK. He appealed to KVKs that they should schedule field based interventions in multi-disciplinary mode. He said that through such exercises, KVKs may be emerged as the knowledge and resource center in the district, in true sense.

After the inaugural session, the technical session started in which, on the first day of the workshop, Heads of 12 KVKs (Bahraich-I, Bahraich-II, Gonda-I, Gonda-II, Balrampur, Jhansi, Mahoba, Hamirpur, Jalaun, Lalitpur, Banda and Chitrakoot) presented their action plans for 2024, which the expert resource persons reviewed and gave their suggestions. On this occasion, the other flagship programmes of ICAR being implemented by Krishi Vigyan Kendras and the other issues like financial status, budget etc. were also discussed in detail.

In the workshop Dr. O.P. Singh, Former Director (Extension), SVPUAT, Meerut; Dr. R.R. Singh, Additional Director (Extension), ANDUAT, Ayodhya; Dr. Narendra Singh, Additional Director (Extension), BUAT, Banda; Dr. S.K. Singh, Principal Scientist (AE); Dr. Raghwendra Singh, Principal Scientist (Horti.), and Dr. Seema Yadav, Scientist (LPM) also participated.



Participation in National Workshop of Farmer FIRST at CSKHPKV, Palampur (HP)

Dr. S.K. Dubey, Director, ICAR-ATARI, Kanpur participated in National Workshop of Farmer FIRST during 28-30 November 2023 at CSKHPKV, Palampur (HP). Dr. U.S. Gautam, DDG (AE) inaugurated the workshop. All ATARI Directors along with Nodal officers of FFPs participated in the workshop. Powerpoint presentation on topics like Village Cluster detail, Coverage in 2022-23, Module-wise achievements, Content Mobilization, Partnership building, Outscaling of Technologies, Diffusion, Sustainability of Interventions, Budget Utilization/Requirement etc were made in the workshop.

Online participation in Divisional Meeting of all ATARIs under the chairmanship of DDG (AE)



On 13.12.2023 an online Divisional meeting of all ATARIs were held under the chairmanship of Dr. U.S. Gautam, DDG (AE), ICAR. Director ICAR-ATARI, Kanpur Dr S.K. Dubey participated in the meeting along with Dr. S.K. Singh, Dr. Raghwendra Singh, Dr. Seema Yadav and Mr. S.N. Yemul. In the meeting a presentations were made by all ATARI Directors. Various points like Timely submission of AUCs, Beekeeping, Vibrant Gujarat, Portable Soil Lab, IFS, Micro-irrigation, District Kisan Mela, Agricultural Mechanization, Budget utilization, Proposal submitted for Technology/product certification, Golden Jubilee celebrations, Divisional publications status etc were discussed in the meeting.



Other meetings

| | Date | Activity |
|----|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 17.10.2023 | SAC Meeting KVK Kaushambi |
| 2 | 28.10.2023 | Participation in Farmer Fair at BUAT Banda |
| 3 | 31.10.2023 | Online meeting on Scaling up of Promising Climate Resilience Technologies as part of RAD programme organized by ICAR-CRIDA, Hyderabad |
| 4 | 10.11.2023 | Online budget meeting for KVKs of SVPUAT, Meerut organized by ICAR-ATARI, Kanpur |
| 5 | 10.11.2023 | Online Meeting with KVKs on Vikasit Bharat Sankalp Yatra organized by ICAR-ATARI, Kanpur |
| 6 | 13.11.2023 | Online Meeting of All States under the Chairmanship of Joint Secretary (INM) |
| 7 | 14.11.2023 | Online Meeting with KVKs on Vikasit Bharat Sankalp Yatra organized by ICAR-ATARI, Kanpur |
| 8 | 29.11.2023 | Online Meeting with KVKs on Vikasit Bharat Sankalp Yatra organized by ICAR-ATARI, Kanpur |
| 9 | 21.11.2023 | Participated in National Symposium at RLBCAU, Jhansi |
| 10 | 10.12.2023 | Online expenditure review meeting of KVKs under ANDUAT, Ayodhya |
| 11 | 19.12.2023 | Participation in Online Meeting on financial matter |
| 12 | 21.12.2023 | Participated in "National Farming- A way forward to sustainable Agriculture" program at SKUAST-K, Srinagar |
| 13 | 26.12.2023 | Online Review Meeting of Expenditure of KVKs up to Nov 2023 organized by ICAR-ATARI, Kanpur |
| 14 | 29.12.2023 | Participation in 'Prof. Dr. Kirti Singh Memorial Lecture & National Seminar 2023 on Natural & Organic Farming for sustainable Agriculture' at ICAR-IISR, Lucknow |

सफलता की कहानी

आरंभशील कृषक उत्पादक संगठन सहकारी समिति लिमिटेड (एनसीडीसी द्वारा प्रचारित)

एफपीओ का नाम
एफपीओ द्वारा की गई प्रमुख व्यावसायिक गतिविधि
उत्पादों के नाम

आरंभशील कृषक उत्पादक संगठन सहकारी समिति लिमिटेड
जैविक एवं प्राकृतिक मूल्यवर्धित उत्पाद

सरसों का तेल
आम का अचार
दालें: अरहर, मूंग और उड़द
हल्दी पाउडर
बासमती चावल
गुड़ और शक्कर
शहद

गांवों की संख्या

12

कुल सदस्यों की संख्या

335

वित्तीय वर्ष 2021-2022 का टर्न ओवर

3 lakhs

वित्तीय वर्ष 2022-2023 का अपेक्षित टर्न ओवर

20 lakhs



एनसीडीसी द्वारा वित्त पोषित सहकारी समिति अधिनियम के माध्यम से श्री हर्षवर्द्धन त्यागी द्वारा एफपीओ बनाने की पहल की गई। कृषि विज्ञान केंद्र के तकनीकी सहयोग से आरंभशील उत्पादक संगठन जैविक मूल्यवर्धित उत्पादों पर बहुत अच्छा काम कर रहा है। कृषि विज्ञान केंद्र के वैज्ञानिक भी एफपीओ सदस्यों को समय पर और उनकी आवश्यकताओं के अनुसार प्रशिक्षण प्रदान कर रहे हैं।

मूल्य संवर्धन एवं विपणन

आरंभशील एफपीओ अपने विभिन्न उत्पादों का विपणन करता है। कुल बिक्री में से एफपीओ का संस्थागत स्थानीय और शहरी बाजारों में बिक्री (45%) एफपीओ की खुदरा बिक्री की तुलना में थोड़ी अधिक है स्थानीय समुदाय जो 40% तक है। ब्लॉक और जिला स्तर के बाजार में खुदरा बिक्री 15% है जो उपरोक्त दो प्रकार की बिक्री की तुलना में तुलनात्मक रूप से कम है। वार्षिक एफपीओ की विपणन लागत 15% है।

आरंभशील एफ.पी.ओ. की उपलब्धियाँ

- उपज के लिए बेहतर कीमत और किसानों के लिए 20 से 30% अधिक आय सुनिश्चित किया गया।
- अच्छी गुणवत्ता वाली उपज का उत्पादन, इससे खेती की लागत कम हुई और उत्पादन भी बढ़ा।
- एफपीओ जैविक फलों का उत्पादन कर रहा है, सरसों, जैविक दालें, अचार, जैविक सरसों का तेल इत्यादि के संदर्भ में जैविक इनपुट।



Vintage Village-An innovative model of Eco-tourism, Sustainable Farming and Rural Empowerment in India

Ecotourism is the “responsible travel to natural areas that conserves the environment, sustains the well-being of the local people, and involves interpretation and education” (TIES, 2015).

It can utilize the wide range of natural and cultural ecosystem services to improve local livelihoods. In the similar ways,an enthusiastic farmer named as Mr. Ali Imran Jafri from Sitapur district of U.P has make his mark in eco-tourism and IFS Model. Mr. Jafri has completed his graduation and after that he started his carrier in farming with the cultivation of sugarcane, paddy and wheat. During the year 2015, he came in contact with KVK-II, Sitapur and started diversified farming and eco-tourism with innovative and scientific approach. With a lot of effort, passion, over the year’s vintage village was transformed into a place that is friendly to the environment and healthy for human. Following this essence, he grew his farm, planted fruit trees, medicinal plants and vegetables organically in 45 acres of land. He also built traditional infrastructure to accommodate visitors, which is becoming a rural resort, dabbled in beekeeping, Jaggery production, organize weddings and providing services in gardening, landscape and farm house development. Seeing the needs of neighboring communities, they built the Janta Montessori School so that children can access a quality primary education.

Summary of the Expenditure and activities in the vintage village

| | | | |
|------------------------------------------------|---------------------------------------------------------------|------|--------------------------------------------------------------------------------------------|
| No. of Tourist visiting since 2017 | 60000-70000 (India) | | 30-35 (Abroad) Including Germany, Spain, Finland, USA, Brazil, Uzbekistan and Argentina |
| No. of Man days created per year | Regular Basis | 2680 | Man days/year |
| | Temporary Basis | 300 | Man days/year |
| | Overall | 3180 | Man days/year |
| No. of Man days created since 2017 | On an average: 19, 080 Man days were created | | |
| Cost Incurred in total area (acre)/Year | 11,00,000 Rs./Year | | |
| Net Income generated in total area (acre)/Year | 30,00,000 Rs./Year from Crops and other enterprises | | |
| | 4, 00, 000 Rs./Year from Tourism Total- 34,00,000 Rs./Year | | |
| Net profit gained in total area (acre/year) | 23,00,000Rs./Year | | |

Segments of Vintage village



Model of Vintage village in a Nutshell



Participation of KVKs in Viksit Bharat Sankalp Yatra

As per vision of Govt. of India “*Hamara Sankalp Viksit Bharat*”. *Viksit Bharat Sankalp Yatra* has been organized from 15 Nov. 2023 to 31 Dec., 2023. The major objectives of the programme were reaching the unreached, dissemination of information and generating awareness about scheme, learning from farmers/citizens and enrolment of potential beneficiaries. Hon’ble PM has inaugurated this programme on 15.11.2023 as *Janjatiya Gaurav Diwas* on the eve of 148 birth anniversary of “*Birsa Muna*”. All KVKs of Uttar Pradesh took active part as various Gram Panchayat level KVKs scientists elaborated about Kisan Credit Card, Natural Farming, Agril. Drone, Soil Health Cards, Sustainable Agriculture Development in active participation of farming community. Total 31 Central/State Ministers, Minister of Parliaments and Member of Legislative Assembly took part in the programme at different places. Total 2918 Gram Panchayats were covered in which 1077870 farmers/farm women and rural youths actively participated. Total 3565 interactive talks were arranged on various flagship scheme for rural awareness



Registration of farmers’ varieties under PPV&FRA

प्रारूप O-2, FORM O-2
(कृषया नियम 36 और 37 देखें) (See rules 36 and 37)
भारत सरकार / GOVERNMENT OF INDIA

पौधा किस्म रजिस्ट्री PLANT VARIETIES REGISTRY
पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण / PROTECTION OF PLANT VARIETIES & FARMERS' RIGHTS AUTHORITY
डी पी एस मार्ग, निकट टोहापुर गाँव, नई दिल्ली - 110012 / D P S Marg, Near Todapur Village, New Delhi - 110012
रजिस्ट्रीकरण प्रमाण-पत्र / Certificate of Registration

| | |
|----------------------------------------------|----------------------------------------------------------------|
| पंजीकरण सं./ Registration No.: REG/2017/2012 | दखिल करने की तारीख/ Date of Filing: 13 अक्टूबर / October, 2017 |
| | जारी करने की तारीख/ Date of Grant: 25 अक्टूबर / October, 2023 |

श्री योगेश कुमार, ग्राम एवं पी.ओ. भिनेनी, ब्लॉक बिसवा, जिला सीतापुर, उत्तर प्रदेश ने घोषित किया है कि उसने **बाजरा (*Pennisetum glaucum* (L.) R.Br.**) फसल की कृषक पौधा किस्म **YKB-PM** विकसित किया है और यह उसका वास्तविक प्रजनक (या वास्तविक प्रजनक का अधिकार प्रतिनिधि या समुदायिक) है और पौधा किस्म संरक्षण और कृषक अधिकार अधिनियम, 2001 के उपबन्धों को ध्यान में रखते हुए यह उस पौधा किस्म के अधिकार का हकदार है और यह कि उसके पास में पौधा किस्म के पंजीकरण के प्रति कोई अक्षेप नहीं है।
और, वह उस पौधा किस्म के लिए आवेदन करते हुए अनुरोध करता है कि कृषक पौधा किस्म का पंजीकरण उसके नाम पर किया जाये।
और, उसने अपने आवेदन द्वारा और उसके, उस पौधा किस्म के विभिन्न विशिष्ट लक्षणों और उसके अभिधान का उल्लेख किया है।
अतः यह विवेक है कि उपर्युक्त आवेदक (जिसमें उसके अधिकार प्रतिनिधि और समुदायिक या इनमें से कोई भी है) पौधा किस्म संरक्षण और कृषक अधिकार अधिनियम, 2001 के उपबन्धों और उस अधिनियम की धारा 47 में विनिर्दिष्ट शर्तों और तत्सम्य प्रवृत्त किसी अन्य विधि द्वारा विनिर्दिष्ट शर्तों और उपबन्धों के अधीन रहते हुए वर्ष 2023 के जून माह की 09 तारीख से छह वर्षों की अवधि के लिए इस पौधा किस्म के पंजीकरण के लिए आवेदन करने और ऐसा करने के लिए किसी अन्य व्यक्ति को प्राधिकृत करने का अनुरोध होगा, इस शर्त के अधीन रहते हुए कि इस पंजीकरण की विधि मान्यता प्रदायक नहीं की जाती है और इस पंजीकरण को बनाए रखने के लिए विशिष्ट फीस का सम्यक रूप से संदाय किया जाता है।

Whereas Shri Yogesh Kumar, Village & P.O. Bhaineni, Block Biswan, District Sitapur, Uttar Pradesh has declared that he has developed YKB-PM of Pearl millet (*Pennisetum glaucum* (L.) R.Br.) as Farmer plant variety and that he is the true breeder thereof (or the legal representative or assignee of the true breeder) and that he is entitled to a plant variety right on the said variety, having regard to the provisions of the Protection of Plant Varieties and Farmers' Rights Act, 2001 and that there is no objection to the registration of plant variety in favour of him.

And whereas he has, by an application, requested that registration of Farmer plant variety may be allowed to him for the said plant variety;

And whereas he has, by and in his application, particularly described the various distinctive features and mentioned the denomination of the said plant variety;

And whereas he has, by and in his application, particularly described the various distinctive features and mentioned the denomination of the said plant variety;

Now, these presents that the above said applicant (including his legal representatives and assignees or any of them) shall, subject to the provisions of the Protection of Plant Varieties and Farmers' Rights Act, 2001 and the conditions specified in section 47 of the said Act, and the conditions and provisions specified by any other law for the time being in force, from the 25th day of October, 2023, have the exclusive right to produce, sell, market, distribute, import or export the variety for initial term of Six years & renewable for the remaining years and of authorizing any other person to do so, subject to the conditions that the validity of this registration is not guaranteed and that the fee prescribed for the continuance of this registration are duly paid.

इसके साथ स्वल्प रजिस्ट्रार ने वर्ष 2023 के अक्टूबर माह की 25 तारीख को पंजीकरण पर मुहर लगाई है। In witness thereof, the Registrar has caused this registration to be sealed as of the 25th day of October, 2023.

रजिस्ट्रार के हस्ताक्षर व मुहर/ Seal and Signature of the Registrar,
पौधा किस्म रजिस्ट्री/ Plant Varieties Registry

टिप्पण/Note : इस पंजीकरण को बनाए रखने के लिए फीस, यदि इसे बनाए रखा जाना है तो वर्ष 2024 के अक्टूबर माह की 25 तारीख को और उसके पचास प्रत्येक वर्ष उसी तारीख को देय होगी। The fees for maintenance of this registration, if it is to be maintained, will fall due on 25th day of October, 2024 and on the same day in every year thereafter.

प्रारूप O-2, FORM O-2
(कृषया नियम 36 और 37 देखें) (See rules 36 and 37)
भारत सरकार / GOVERNMENT OF INDIA

पौधा किस्म रजिस्ट्री PLANT VARIETIES REGISTRY
पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण / PROTECTION OF PLANT VARIETIES & FARMERS' RIGHTS AUTHORITY
डी पी एस मार्ग, निकट टोहापुर गाँव, नई दिल्ली - 110012 / D P S Marg, Near Todapur Village, New Delhi - 110012
रजिस्ट्रीकरण प्रमाण-पत्र / Certificate of Registration

| | |
|----------------------------------------------|----------------------------------------------------------------|
| पंजीकरण सं./ Registration No.: REG/2017/2023 | दखिल करने की तारीख/ Date of Filing: 13 अक्टूबर / October, 2017 |
| | जारी करने की तारीख/ Date of Grant: 09 जून / June, 2023 |

श्री अब्दुल हदी खान, ग्राम : बभरिया, पोस्ट : मानपुर, जिला : सीतापुर, उत्तर प्रदेश ने घोषित किया है कि उसने **बाजरा (*Pennisetum glaucum* (L.) R.Br.**) फसल की कृषक पौधा किस्म **AH-PM** विकसित किया है और यह उसका वास्तविक प्रजनक (या वास्तविक प्रजनक का अधिकार प्रतिनिधि या समुदायिक) है और पौधा किस्म संरक्षण और कृषक अधिकार अधिनियम, 2001 के उपबन्धों को ध्यान में रखते हुए यह उस पौधा किस्म के अधिकार का हकदार है और यह कि उसके पास में पौधा किस्म के पंजीकरण के प्रति कोई अक्षेप नहीं है।
और, वह उस पौधा किस्म के लिए आवेदन करते हुए अनुरोध करता है कि कृषक पौधा किस्म का पंजीकरण उसके नाम पर किया जाये।
और, उसने अपने आवेदन द्वारा और उसके, उस पौधा किस्म के विभिन्न विशिष्ट लक्षणों और उसके अभिधान का उल्लेख किया है।
अतः यह विवेक है कि उपर्युक्त आवेदक (जिसमें उसके अधिकार प्रतिनिधि और समुदायिक या इनमें से कोई भी है) पौधा किस्म संरक्षण और कृषक अधिकार अधिनियम, 2001 के उपबन्धों और उस अधिनियम की धारा 47 में विनिर्दिष्ट शर्तों और तत्सम्य प्रवृत्त किसी अन्य विधि द्वारा विनिर्दिष्ट शर्तों और उपबन्धों के अधीन रहते हुए वर्ष 2023 के जून माह की 09 तारीख से छह वर्षों की अवधि के लिए इस पौधा किस्म के पंजीकरण के लिए आवेदन करने और ऐसा करने के लिए किसी अन्य व्यक्ति को प्राधिकृत करने का अनुरोध होगा, इस शर्त के अधीन रहते हुए कि इस पंजीकरण की विधि मान्यता प्रदायक नहीं की जाती है और इस पंजीकरण को बनाए रखने के लिए विशिष्ट फीस का सम्यक रूप से संदाय किया जाता है।

Whereas Shri Abdul Hadi Khan, Village: Babhariya, Post: Manpur, District: Sitapur, Uttar Pradesh has declared that he has developed AH-PM of Pearl millet (*Pennisetum glaucum* (L.) R.Br.) as Farmer plant variety and that he is the true breeder thereof (or the legal representative or assignee of the true breeder) and that he is entitled to a plant variety right on the said variety, having regard to the provisions of the Protection of Plant Varieties and Farmers' Rights Act, 2001 and that there is no objection to the registration of plant variety in favour of him.

And whereas he has, by an application, requested that registration of Farmer plant variety may be allowed to him for the said plant variety;

And whereas he has, by and in his application, particularly described the various distinctive features and mentioned the denomination of the said plant variety;

Now, these presents that the above said applicant (including his legal representatives and assignees or any of them) shall, subject to the provisions of the Protection of Plant Varieties and Farmers' Rights Act, 2001 and the conditions specified in section 47 of the said Act, and the conditions and provisions specified by any other law for the time being in force, from the 9th day of June, 2023, have the exclusive right to produce, sell, market, distribute, import or export the variety for initial term of Six years & renewable for the remaining years and of authorizing any other person to do so, subject to the conditions that the validity of this registration is not guaranteed and that the fee prescribed for the continuance of this registration are duly paid.

इसके साथ स्वल्प रजिस्ट्रार ने वर्ष 2023 के जून माह की 09 तारीख को पंजीकरण पर मुहर लगाई है। In witness thereof, the Registrar has caused this registration to be sealed as of the 9th day of June, 2023.

रजिस्ट्रार के हस्ताक्षर व मुहर/ Seal and Signature of the Registrar,
पौधा किस्म रजिस्ट्री/ Plant Varieties Registry

टिप्पण/Note : इस पंजीकरण को बनाए रखने के लिए फीस, यदि इसे बनाए रखा जाना है तो वर्ष 2024 के जून माह की 09 तारीख को और उसके पचास प्रत्येक वर्ष उसी तारीख को देय होगी। The fees for maintenance of this registration, if it is to be maintained, will fall due on 9th day of June, 2024 and on the same day in every year thereafter.

Technical Assistance: Rashmi Devi and Fareed Ahmed

Published quarterly by ICAR-Agricultural Technology Application Research Institute, Kanpur-208002 (U.P.)