

APART RICE WEEKLY

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APART : RICE WEEKLY

(3rd -8th July, 2023)

One Day Training on Best Management Practices and Machines conducted by Krishi Vigyan Kendra, Nagaon

A One Day Training on Best Management Practices and Machines was held under Assam Agribusiness and Rural Transformation Project (APART) at Krishi Vigyan Kendra, Nagaon on 01st July, 2023. The programme started with a welcome address and speech by Principal Scientist and Head of KVK, Nagaon, Dr. Niranjana Deka. During his speech he welcomed all the participants and explained about the objectives of the programme. 30 nos of farmers representing different blocks of Nagaon district participated in the programme. Mr. Rishikesh Phukan, Junior Researcher, IRRI explained the importance of the application of best management practices. Seed treatment, storage, Pest and disease management were also discussed with the farmers. The programme concluded with a vote of thanks by Ms. Priyanka Deka, Project Associate, APART.



Training on Enriched Compost Preparation and Bio-Agent Utilization conducted by KrishiVigyan Kendra, Nagaon

A training on Enriched Compost Preparation and Bio- Agent Utilization was held at Gayangaon conducted by Krishi Vigyan Kendra, Nagaon under the Assam Agribusiness and Rural Transformation Project (APART) on 07th July 2023. The programme started with a welcome address by Ms. Priyanka Deka, Project Associate, APART, KVK Nagaon and discussed the objectives and importance of the programme. 30 nos of farmers including male and female of the village attended the programme. Dr. Kasturi Goswami, Junior Researcher, IRRI explained about the enriched compost preparation and bio pesticides to the participants. After that demonstration of seed treatment and enriched compost preparation was done.



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Transplantation of mat type nursery of Sali paddy conducted by KVK, Jorhat

Transplantation of mat type nursery of Sali paddy was conducted by Krishi Vigyan Kendra (KVK), Jorhat on 3rd July, 2023 under the aegis of Assam Agribusiness & Rural Transformation Project (APART) in Halowapothar, Lefera, Jorhat. The programme was successfully conducted in presence of Mrs. Prajalita Dutta (Assistant Project Scientist, APART) and Mr. Polash Saikia (Research Technician, APART) of KVK, Jorhat. The programme was initiated by the APART team to 30 members. At first, the host farmer felicitated the technical staffs from Jorhat. After that Mrs. Dutta explained about the technology and its importance. Then the Research Technician showed the use of the transplanter practically. The members present there also ran the transplanter in the field. It took the whole day to complete. At the end, there was a vote of thanks given by the host farmer.



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Grand Harvest Programme of Boro Paddy

AAU-Zonal Research Station, Gossaigaon conducted a grand harvest programme of Boro paddy using combine harvester at farmers field of Kotpara village of Dotma block under Assam Agribusiness and Rural Transformation Project (APART) on July 3rd, 2023. Mrs Amlanika Kalita (PA, APART, AAU-ZRS Gossaigaon) initiated the programme by welcoming the participants and briefly described about the programme. She also elaborately explained about the objective of the programme as well as the benefits of using the combine harvester and the different activities going under APART. Mr Mrinal Kachari (Sub-Divisional Agriculture Officer, Kokrajhar) expressed his gratitude for organizing such programme which created a mass awareness of new technology to the farmers and also encouraged the farmers to come forward to avail the benefits of agricultural schemes. The registration process and related responsibilities were carried out by RT Monjit Das and RT (IRRI) Pradyumna Kumar Mahapatra. Mr. Dighade Suresh Ramachandra (Deputy commander, 31No SSB) was also present there. Mr. Mannan Chowdhury (seed consultant, IRRI) explained about different types of rice varieties under the APART and the various machines introduced through the project and the benefits of using these machineries. Dr. SK Paul (Chief Scientist and Head, AAU-ZRS, Gossaigaon) briefly described the importance of mechanization in paddy from sowing to harvesting operation to increase income per unit area. The programme was graced by the presence of Dr. S K Paul (Chief Scientist, AAU-ZRS, Gossaigaon), Mr. Mrinal Kachari (SDAO, Kokrajhar) Kumud Ranjan Basumatary (Principal, Gossaigaon College), Gopal Chandra Barman (Professor, Political Science Department, Gossaigaon College), Engineer from Block Development Office Mr. Puna Brahma and more than 100 farmers from different villages of nearby area along with the project staff of APART.

Participants expressed a desire to learn more about emerging technologies and expected access to cutting-edge equipment in their area. The programme concluded with demonstration of reaping crop using combine harvester in paddy field, and Mr. Nabajyoti Bhuyan (Junior Scientist, AAU-ZRS, Gossaigaon) proposed vote of thanks to all for the successful completion of the day.



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Variety transplanting at Rice variety cafeteria, ICR Farm, AAU, Jorhat

In this Sali, 2023-24, eight numbers of rice variety cafeteria planned at 8 different locations i.e. AAU, Jorhat, AAU-ZRS, Gossaigaon, AAU-ZRS Diphu, AAU-ZRS North Lakhimpur, KVK Nagaon, KVK Barpeta, KVK Dhubri & KVK Cachar comprising of seven long, six medium & eleven short duration varieties. Transplanting of rice varieties under rice variety cafeteria started today on 1st July, 2023 at ICR Farm, AAU, Jorhat. The programme was graced by the Director of Research (Agri.), AAU, Jorhat amidst the presence Dr. Rupam Borgohain, Principal Scientist & Nodal Officer, Dr. Mitul Saikia, Principal Scientist & PI, Dr. Debanand Das, Principal Scientist & Alt. Nodal Officer & Bhaskar Jyoti Mahanta, Project Coordinator, APART. First batch with seven numbers of long duration varieties i.e. Kalajeera, Keteki joha, Manipuri black rice, Ranjit-sub1, CR Dhan 801, CR Dhan 802 & CR Sugandh Dhan 909 were completed transplanting.



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Grand Harvest Programme of Boro Paddy Organised

Krishi Vigyan Kendra, Kokrajhar conducted a grand harvest programme of Boro paddy using combine harvester at farmers field of Thuribari village of Gossaigaon block under Assam Agribusiness and Rural Transformation Project (APART) on 05.07.2023. Miss Priyanka Bora (SMS, Agronomy, Krishi Vigyan Kendra, Kokrajhar) formally initiated the programme by welcoming the participants of the programme and the briefly described about the Grand harvest programme. Mr Akshay Jyoti Bharadwaj (Junior Resesarcher, IRRI) explained about the objective of the programme as well as the various mechanies introduced through APART and the different activities that are going under APART. The programme was graced by the presence of Dr. Muzaharul Islam (SMS, Animal Science, KVK, Kokrajhar), Miss Priyanka Bora (SMS, Agronomy, KVK, Kokrajhar), Shyamul Das (Head Master, Guabari M.E School), Abdul Munaf Ali (Ex Chairman VCDC ,Guabari), Amardeep Roy (Teacher, Dolgaon M.E School) and more than 100 numbers of farmers from different villages of nearby area along with the project staffs of APART, more than 100 numbers of farmers from different villages

of nearby area and along with the project staffs of APART. Participants expressed a desire to learn more about emerging technologies and expressed expectations that they will have access to cutting-edge equipment in their area. The programmes was concluded with demonstration of crop cutting using combine harvester at paddy field and a vote of thanks by Miss Priyanka Bora (SMS, Agronomy, Krishi Vigyan Kendra, Kokrajhar)



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Mechanical transplanting of rice under APART by AAU-ZRS, Diphu

On 3rd July, 2023, Mechanical Transplanting of rice was completed at Rajapothar, Bokolia under APART by AAU-ZRS, Diphu with technical support of IRRI. A farmer named Mr. Siva Ram Basumatary of Rajapothar village received Ranjit sub- 1 variety under APART from AAU-ZRS, Diphu. He was interested to adopt mechanical transplanting of rice by laying Mat Type nursery as he wanted to harness the benefits of this new technology. Hence he decided to prepare Wet Mat Type nursery which will cover 4 bighas of land under APART demonstration. Around 20 farmers of the village were present during transplanting & they were also motivated to adopt this new technology which will reduce transplanting cost. The farmer was technically supported by Mr. Mirlong Bey (RT, IRRI) on the day of raising nursery and transplanting. The farmer expressed satisfaction to adopt the new technology which will lower the cost of production.



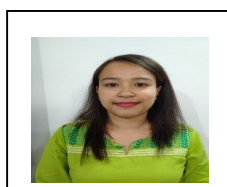
ToT (2 Days) Training on seeding to harvesting, Storage & Processing of Rice organised by AAU- ZRS, Diphu Under APART

On 5th & 6th July, 2023, a ToT on seeding to harvesting, storage & processing of rice was organised by AAU- ZRS, Diphu Under APART at Mohongdijuwa. Dr. Gayatri Goswami (Project Scientist, APART), Dr. Debahash Buragohain (Project Scientist, APART) was present as resource person, Dr. Dibosh Bordoloi (Jr. Scientist, ZRS, Diphu), Mrs. Anjela Deka (Project Associate, APART), Mr. Mirlong Bey (RT,IRRI) & around 30 farmers were present in the training program. The program started with welcome address by Ms Anjela Deka. She briefly explained about APART, Project activities, different international organisations associated with APART. Also she mentioned about the objectives of conducting the training program. After that Dr. Dibosh Bordoloi briefly explained about quality seed, seed production and seed

certification.

Further Dr. Gayatri Goswami explained about different STRVs (Stress Tolerant Rice Varieties), duration and speciality. She also stressed upon germination test, seed cleaning & treatment, nursery preparation, precise use of fertilizer at nursery and main field, threshing, drying, harvesting & storage of rice. Dr. Debahash Buragohain explained about the RKB (Rice Knowledge Bank) & Rice Doctor apps to the farmers. He showed step by step on installation of the apps & explained about the features of the apps. He also motivated farmers to use the apps to harness its benefits.

On 2nd day, various post harvest machines & their operations were shown and explained to the farmers. Moisture meter, Drum seeder, Super bag were demonstrated to the farmers. The two days training was successfully completed with the technical support of IRRI. The program was concluded with vote of thanks by Ms Anjela Deka. The farmers expressed their satisfaction by attending the two days training.



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Two days training on seeding to harvesting, drying, storage and processing of rice under APART, KVK, Karbi Anglong

On July 5-6, 2023 a two days training programme on seeding to harvesting , drying, storage and processing of rice under APART was organized at Krishi Vigyan Kendra, Karbi Anglong involving 33 participants. The programme commenced with an inaugural address by Dr Subal Maibangsa, Head, KVK, Karbi Anglong. During his speech, he highlighted the objectives of the training programme and also discussed on the importance of mechanization in paddy cultivation . Miss Ankita Sahu (Senior Researcher, IRRI) Miss Larbeen Teronpi, (Project Associate, OPIU, APART) took part as resource persons in the programme. During the technical session of the programme, participants were made aware of the latest technologies, including machinery, improved and stress-tolerant rice varieties. A practical session was conducted on working principles of different machineries used in rice cultivation from sowing to drying and processing i.e Drum Seeder, Seed cum Fertilizer Drill, Mini Combine Harvester, Rice Grinding Machine. Then Dr. Lohit Kataki (SMS, Plant Protection), KVK Karbi Anglong also discussed Integrated Pest Management (IPM) and it's application in rice cultivation. The training programme concluded with vote of thanks from Ms Renuwara Parbin Assistant Project Scientist, APART, KVK, Karbi Anglong.

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Demonstration on Post Harvest Machineries

A "Training on Post-harvest machineries" was organized by DoA Kamrup in Majorjuri village of Hajo block of Kamrup (R) district on 4th July. The training aimed to enlighten the paddy farmers of the village with various harvest and post-

harvest machineries introduced in Assam through APART program. Dr. Kasturi Goswami, Junior Researcher, IRRI attended the training as resource person and discussed in brief about object of APART project and the role of IRRI and DoA in the project. She then explained in details the machineries like reaper, crop harvester, combine harvester etc. their working principle and approximate cost of the machineries. She also informed the farmers about the Custom Hiring Center where they can hire all the machineries at a reasonable rate. Mechanization in rice cultivation is now becoming a necessity among the rice farmers of Assam owing to the scarcity of labor and increasing labor charges.

There are many villages in Kamrup district which are still unaware of the various machineries involved in rice cultivation. The training was also attended by Mr. Anil Medhi, BTM, Hajo block of Kamrup district. He enlightened the farmers about various Government schemes going on in the department of agriculture and also about the availability of Paddy Procurement and Mustard procurement facility going on in the department where farmers can sell their produce in MSP.



Training on Rice Value chain Machineries

A training program on Rice value chain machineries was organized by DoA Kamrup at Sotlabori village of Kamrup district under Hajo development block. The training was organized in collaboration with IRRI. Dr. Kasturi Goswami from IRRI, Mr. Anil Medhi and Mr. Rupak Kalita from DoA Kamrup attended the program. The technical training was delivered by Dr. Goswami where she covered rice value chain machineries like portable rice mill, solar bubble drier, dry grinding machine, rice puffing machine, rice flakes machine etc. She explained in detail the working principle, working capacity and cost of all these machineries.

She also enlightened the farmers about its business opportunities both for the rural youth and specially the women farmers. Mr. Anil Medhi addressed the gathering and spoke about different subsidies given by DoA in procurement of various agricultural machineries. He also highlighted about Government Paddy and Mustard procurement at MSP scheme for farmers and urged the farmers to sell their produce at MSP.



Mat type nursery preparation

With an aim of scaling mechanisation in rice cultivation, DoA Kamrup organized a practical demonstration on mat type nursery preparation in Sotlabori village of Hajo development block of Kamrup district. The farmers of the village are practically going for mechanically transplanted rice for the first time and are enthusiastic to learn the new technology. The nursery was laid for 0.8 ha of land.



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