



APART RICE WEEKLY

29 Aug-03 Sep, 2022

Published By: ARIAS Society

Contributions from: KVKs, RARSs, HRS,
District ATMA, IRRI Assam

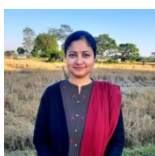
APART: RICE WEEKLY **(August 29–September 3, 2022)**

Training on Repair and Maintenance of Portable Rice Mill and Dry Grinding Machine at KVK, Morigaon

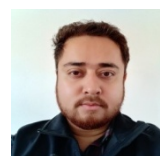
On August 30-31, 2022, a two-day training on repair and maintenance of Portable Rice Mill and Dry Grinding Machine in Series 4, was conducted under the Assam Agribusiness and Rural Transformation Project (APART) at KVK, Morigaon. Dr. Rohit Namdeo, Postharvest Specialist, IRRI, along with the members of Yangli FPC, Morigaon and Borkhola FPC, Cachar, participated in the programme. Dr. Rijusmita S. Deka, Senior Scientist and Head while addressing the gathering briefed about the objectives of the programme and the ongoing activities under APART. She also emphasised on strengthening the seed system, and importance and use of mechanization in agriculture in Assam. On the first day, the programme started with the theory lecture of Dr. Namdeo explaining about the working, repair and maintenance of Portable Rice Mill. Mr. Janmijay Biswal, RT, IRRI, Dharmendra Das, RT, and Saurabh Kumar, RT, assisted in demonstrating the Portable Rice Mill to the participants. On the second day, after theory session of Dry Grinding Machine, Mr. Biswal demonstrated the working of machine to the participants. This was followed by revision of all the lectures delivered in the earlier series viz., training on Integrated Weed Management, Direct Seeded Rice (DSR), mechanically transplanted rice, repair and maintenance of reaper, thresher, combine harvester, portable rice mill and dry grinding machine. The program also included an observation session where the participants were given pre- and post-training evaluation forms for evaluating the status of their knowledge before and after the training. Dr. Deka closed the programme with a vote of thanks to the participants. The participants were also awarded with a certificate of participation. They actively participated and this informative series of programme was appreciated by everyone present. Besides Ms Porismita Dutta, PA, Mr Sanju Borgohain, APS, Mr Rupam Bonia, RT, and Mr Robin Hazarika, RT, APART, were also present in the programme.



Contributors:



Mrs. Porismita Dutta,
Project Associate, KVK, Morigaon

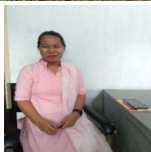


Sanju Borgohain,
APS, KVK, Morigaon

Deep Placement of NPK Briquettes in LCD Plot at RARS, Diphu

On September 1, 2022, fertilizer deep placement in the briquette form in Learning Centre Demonstration of *Sali* paddy was carried out under the supervision of Ms Joshila Enghipi (PA), Mr Mirlong Bey (RT) and Mr Washim Ahmed (Field Assistant, IFDC) at Chapong Khorsing Kro village, Langsomepi block of East Karbi Anglong district of Assam. The

briquette application was done only in 0.25 ha and the remaining area was kept for farmer's practice. AAU-IRRI BMPs and nano-urea application was followed in each demo plot consisting of 0.25 ha. During the application of briquette, Ms Joshila Enghipi (PA), Mr Mirlong Bey (RT) and Washim Ahmed (Field Assistant, IFDC) demonstrated the method of application to the farmers and explained the benefits of fertilizer briquette deep placement.



Contributor:
Joshila Enghipi,
Project Associate, RARS, Diphu

Installation of Trichocards by KVK, Lakhimpur

A biological approach in regards of Integrated Pest Management in rice crop was taken up by Krishi Vigyan Kendra, Lakhimpur at village 2 No. Pachnoi, Dhekiajuli, Lalukin the fields of the beneficiaries under dealer network demonstration under the aegis of Assam Agribusiness and Rural Transformation Project (APART) on August 31, 2022. At the outset, while welcoming the participants, Mouchumi Dutta, Project Associate, APART gave a brief overview of the event highlighting the importance of trichocards. The demonstration was conducted involving 10 farmers, out of which 1.5 ha of area was earmarked for installation of trichocards. The event was facilitated by Mr. Priyamjit Roy, Assistant Project Scientist by helping the farmers during installation of trichocards.



Contributors:



Priyamjit Roy
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Mouchumi Dutta
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Two-Day Training Programme (Series 4) to Strengthen CHCs through FPCs on Postharvest Management and Portable Rice Mill conducted by KVK, Jorhat

A two-day training programme on operation and maintenance of dry grinding machine and portable rice mill (tractor operated) was conducted by Krishi Vigyan Kendra (KVK), Jorhat, under the Assam Agribusiness & Rural Transformation

Project (APART) on August 30-31, 2022 at KVK, Jorhat. Participants from four Farmer Producer Companies (FPCs) viz., Majuli River Bank FPC Ltd & Jengraimukh Agri FPC Ltd from Majuli district, and Dikhow Valley Hog Producer FPC Ltd & Disangmukh Agro Producer Company Ltd from Sivasagar district participated in the programme. The programme started with welcoming the participants by Mr. Plaban Debraj, Project Associate, APART. In the inaugural speech Dr. Sanjoy Borthakur, Senior Scientist and Head, KVK, Jorhat, informed the participants about the activities undertaken by Krishi Vigyan Kendra, Jorhat and the ongoing APART Project. He stressed upon the proper utilization of the machinery available with the CHCs under the FPC and requested them to harness their full benefit. Technical sessions were conducted by Mr. Saurajyoti Baisya, Specialist, Postharvest and Rice Value Chain, IRRI. On the first day, Mr. Saurajyoti Baisya, in his lecture, explained on farm machineries with special emphasis on dry grinding machine and portable rice mill, their advantages, specifications, working principles, etc. Then Mr. Produmnya Srichandan, Research Technician, IRRI, demonstrated the components of dry grinding machine and its working principle.

On the second day, two technicians, one from IRRI, and another from Vaishno Enterprises demonstrated the working of portable rice mill in detail and gave first hand knowledge of different parts, adjustments of each component as per requirement, and techniques of repair and maintenance. Moreover, the pre- and post-training tests were carried out on in the presence of Mrs. Prajalita Dutta, Assistant Project Scientist, Mr. Polash Saikia, Research Technician and Mr. Jiten Das, Research Technician of APART, KVK, Jorhat. The programme concluded with certificate distribution to participants followed by a vote of thanks by Mrs. Prajalita Dutta, Assistant Project Scientist. The programme was a great success with the coordination of all the scientific staff and APART team of KVK, Jorhat.



Contributor:
Prajalita Dutta
Assistant Project Scientist,
APART, KVK, Jorhat



Installation of Trichocards and Pheromone traps at ongoing *Sali* Paddy Demonstration under APART, KVK, Bongaigaon

Installation of trichocards and pheromone traps, as an IPM tool, was successfully done at Dealer Network Demonstration at Moligaon under *Sali* Paddy, APART 2022-23, by KVK, Bongaigaon. Mr. Akhoy Bharadwaj (Junior Researcher, IRRI), Mr. Ashok Kamal Gogoi (Project Associate, APART, Bongaigaon), Mr. Bhaskar Baruah (Research Technician, APART, Bongaigaon) and Mr. Ashraf Ahmed (Research Technician, APART, Bongaigaon) actively participated in this installation activity. Beneficiaries from Dealer Network Demonstration also actively participated in this activity. Various suggestions from APART and IRRI experts regarding plant protection measures in this *Sali* season were discussed in detail. The experts delivered their ideas and knowledge through Focussed Group Discussion (FGD). Also they suggested some Indigenous Technical Knowledges (ITKs) to beneficiary farmers which they can follow and apply in their paddy field.



Contributors:



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Mr. Bhaskar Baruah
Research technician, Bongaigaon



Mr. Asraful Ahmed
Research Technician, Bongaigaon

Application of Herbicide on Weeds by Manual Spraying in MTPR Demonstration Field under APART, KVK, Karbi Anglog

On Sept 2, 2022 herbicide Bispyribac-sodium was applied to rice at tillering stage through manual spray in mechanically transplanted rice demonstration plot at Sibnagar village. The APART team of the KVK visited at different plots and advised the farmers to apply different herbicides. The team also advised for proper insect-pest and disease control at various stages of paddy crop. They have also shared with the farmers regarding the safe use of chemicals.



Contributors:



Bishnu Jyoti Saikia (PA, APART)
KVK, Karbi Anglong



Renuwara Parbin (APS, APART)
KVK, Karbi Anglong

Trichocard Installation and Field Monitoring of Ongoing SaliPaddy Demonstration, 2022-23

During this week, APART team of KVK Kamrup conducted four major activities, i.e., release of first trichocards after 21 days of transplanting paddy, second release of trichocards after one week interval of first release of trichocards at dealer demos in IPM-superimposed plot, pheromone trap installation at cluster demo, insect-pest monitoring at *Sali* paddy seed production site of Sonapur block by Tetelia FPC and insecticide and herbicide distribution at input assigned demos. On August 31, 2022, the second release of trichocards at dealer demos in IPM-superimposed plot was successfully completed at the beneficiaries' paddy fields of Chayni borduar block. However, due to non-incidence of insect-pests in paddy field, after first release of trichocards, we didn't get any significant benefit of insect-pests at Chayniborduar block of Kamrup district. But as a preventative measure, to ward off any chance of incidence of insect-pests in paddy field, as per trichocards installation instruction, we are planning to release the eggs up to 3 to 4 times in each dealer demo of IPM-superimposed plots at weekly interval. On that particular day, the installation of pheromone trap with Yellow Stem Borer lure at *Sali* paddy cluster demonstration under Chayniborduar block was also done.

On the other side, the installation of first release of trichocards and monitoring of insect-pest incidence at Bihidia Jajikona block of Kamrup district was successfully done on September 1, 2022. Interestingly, during field monitoring, in few areas of paddy field at Bihidia Jajikona block we noticed minor incidence of swarming caterpillar and leaf folder, and instantly after discussing with expert we suggested broadcasting of insecticide i.e. Virtako (Chorraniliprole 0.4G + Thiamethoxam 25 WG) and installation of Bird T-Perches at paddy field. However, in this season under APART, four cluster demos with breeder seeds of Bahadur-Sub 1 (5ha) and Ranjit-Sub1 (15 ha) are allotted to Tetelia FPC for seed production. Therefore, on Sept 3, 2022, we physically visited each and every beneficiaries' field of cluster demos under APART seed production programme, 2022-23 in the areas of Sonapur and Khetri of Kamrup district. The installation of pheromone traps was also done successfully at each seed production site. The points noticed during the visit of paddy seed production site are briefly summarised below -

- i. Most of the paddy area was affected with drought.
- ii. Weed problem was seen as a major issue due to scarcity of water at field level.
- iii. Minor attack of white stem borer was seen at one of the seed production sites.



Contributors:



Dibakar Mohodi,
APS, APART KVK, Kamrup



Dr. Munmi Borah
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Field Visit of Various Ongoing *Sali* Paddy Demonstrations and Installation of Pheromone Trap

On September 1 and 2, 2022, field visits were undertaken for observing the present status of various ongoing *Sali* paddy demonstrations under APART, under KVK, Dhemaji at different locations of Dhemaji district. The field visits were carried out by APART team, where they observed growth stages and ongoing threats due to pests and disease infestations in cluster, ICMD, LCD and Head-to-Head demonstrations. The crops were in tillering stage and overall health and vigour of the crops was found good with minimal infestations of stem borer in the fields of cluster demonstration at 1 No. Murkongselek village under MSTD block. The IPM practices were carried out by installing pheromone traps in the

fields of cluster demonstration at 1 No. Murkongselek village.



Contributors:



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