



# APART RICE WEEKLY

November 21-26, 2022

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## **APART: RICE WEEKLY** **(November 21-26, 2022)**

### **Crop Cut and Field Day Programmes on Various Demonstrations of *Sali* Paddy Held during November 21-25, 2022, under APART, KVK, Kamrup**

On November 21, 2022, a crop cut of variety Swarna-Sub1 was successfully completed at village Gukhaiholmari of Chayani Barduar block. The beneficiary farmer Bichitra Nath was satisfied with the variety, and the crop cut data recorded yield of about 480 kg/bigha. Another crop cut of variety Ranjit-Sub1 was done at Bisennala village of Rangia block. The beneficiary farmer Mrs Anita Kalita was satisfied with the results and crop cut data recorded yield of about 460kg/bigha. The crop cut data was recorded by Mr Ananta Gogoi, Research Technician, APART.

On November 22, 2022, field day on MTPR for variety Ranjit-Sub 1 was successfully conducted at Gukhaiholmari of Rangia block. A total of 60 participants from the village attended the field day. The crop cut data recorded yield of about 580kg/bigha. The beneficiary farmer Mr. Hemanta Nath was highly satisfied with the results and technology. He told that he will continue to adopt and disseminate the technology to other farmers in the next *Sali* season too. The crop cut on the field day was done by Dr. Munmi Bora, Project Associate, APART, Miss Naina Goswami, Assistant Project Scientist, APART and Mr. Ananta Gogoi, Research Technician, APART.

On November 23, 2022, field day on Wet DSR of *Sali* paddy for variety Bahadur-Sub1 was successfully conducted at Dharampur village of Chayani Barduar block. Total 50 participants from the village attended the field day. The crop cut data recorded yield of about 640kg/bigha. The beneficiary farmer Mr. Mahendra Choudhury was highly satisfied with the Wet DSR technology in the previous years and, therefore, adopted the same in the current year too and shall continue to adopt and disseminate the technology to other farmers of his village in the next *Sali* season too. On the same day, another field day on MTPR demonstration of *Sali* paddy for variety Bahadur-Sub1 was conducted at Garopara village of Chayani Barduar block. Total 48 participants from the village attended the field day. The crop harvest yielded about 660kg/bigha. The crop cut on the field day was done by Dr. Munmi Bora, Project Associate, APART, Miss Naina Goswami, Assistant Project Scientist, APART and Mr. Arup Kakoty, Research Technician, APART.

On November 24, 2022, a field day on Learning Centre demonstration LCD-STRV of *Sali* paddy variety Ranjit-Sub1 was successfully conducted at Sarurani village of Chayani Barduar block. Total 55 participants from the village attended the field day. The crop cut data yielded about 560kg/bigha. The farmers of the village were satisfied with the results and the technology. On the same day, another field day on LCD demonstration of *Sali*paddy PQR variety Keteki Joha was conducted at Bholagaon village of Chayani Barduar block. The crop cut on the field day was done by Dr. Munmi Bora, Project Associate, APART, Miss Naina Goswami, Assistant Project Scientist, APART and Mr. Ananta Gogoi, Research Technician, APART.

On November 25, 2022, field day on LCD (STRV) of *Sali* paddy for variety Ranjit-Sub1 was successfully conducted at Jaipur village of Rani block. A total of 60 participants from the village attended the field day. The crop cut data yielded about 568kg/bigha. The beneficiary farmer Anen Kalita was satisfied with the results. At the same day, another field day on LCD (PQR) of *Sali* paddy for the Manipuri Black rice variety was successfully conducted at Khorapara village of Rani block. Total 45 participants from the village attended the field day. The crop cut data recorded yield of about 360 kg/bigha. The beneficiary farmer Mr. Dipak Rabha was highly satisfied with the technology, and he will continue to adopt the technology in the next *Sali* season too. The crop cut on the field day was done by Dr. Rituparna Saikia, Team Leader, APART and Mr. Ananta Gogoi, Research Technician, APART.



**Contributors:**



**Dr. Munmi Bora,**  
**Project Associate, APART**



**Rituparna Saikia,**  
**Soil Science and Team leader, APART**



**Naina Goswami,**  
**Assistant Project Scientist, APART**



**Ananta Gogoi,**  
**Research Technician, APART**

### **Crop Cutting of Rice Variety Cafeteria under APART, KVK, Karbi Anglong**

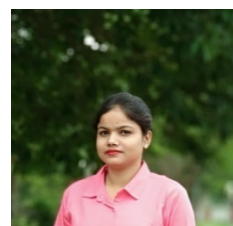
On November 22, 2022, a crop cutting of rice variety cafeteria variety Bahadur-Sub 1 was conducted under APART, KVK, Karbi Anglong. The crop cutting was done at village Howraghat. Ms Renuwara Parbin (Assistant Project Scientist), and Mr Satya Jyoti Bora (Research Technician), APART, KVK, Karbi Anglong who participated in the programme, were actively involved in the crop cutting activity and recorded the data for necessary parameters using KoboCollect app for all the varieties planted in the cafeteria. Only one variety crop cut data was collected on that day and rest other varieties crop cut data will be taken after the grand harvest program on November 30, 2022.



**Contributors:**



**Bishnu Jyoti Saikia,**  
**PA, APART KVK, Karbi Anglong**



**Renuwara Parbin,**  
**APS, APART KVK, Karbi Anglong**

## **Field Day-cum-Crop Cutting Programme under LCD-PQR of Rice Demonstration, by KVK, Kokrajhar**

On November 22, 2022, a field day -cum- crop cutting programme of LCD (PQR) was successfully conducted at Ramdeu village of paddy variety Black rice and CR Sugandh Dhan 909 under APART, by KVK, Kokrajhar. On this occasion, two field days and crop cutting were conducted in morning and afternoon hours. Mr Sunil Pator (Project Associate), Ms Narzina Parbin (Assistant Project Scientist), Mr P.K. Mahapatra (Research Technician, IRRI), Mr Gopal Ch. Roy (Research Technician) APART, KVK, Kokrajhar, and 100 participants attended the programme, in morning as well as afternoon hours. The programmes started with a welcome address by Ms Narzina Parbin (APS, APART) and she briefly described the objectives of the programme. Mr Sunil Pator PA, APART presented a brief overview of APART and also highlighted the characteristics of different Premium Quality Rice (PQR) varieties. Mr P.K Mahapatra (Research Technician, IRRI) explained the method of rice cultivation, importance and advantages of adoption of PQR varieties in Assam. When asked about their experiences of growing Black rice and CR Sugandh Dhan 909, the beneficiaries in the surrounding area expressed great satisfaction on the crop's performance. Crop cutting was done manually and various parameters of the crop were collected at field by using KoboCollect App. The programmes concluded with the vote of thanks by Ms Narzina Parbin, APS, APART, KVK, Kokrajhar.



## **Participatory Varietal Evaluation of Non-replicated Rice Variety Cafeteria under APART, KVK, Kokrajhar**

On November 23, 2022 a participatory varietal evaluation of Non-replicated Rice Variety Cafeteria was organized at farmers field Paschim Dangaimari under APART, Krishi Vigyan Kendra, Kokrajhar. Mr Sunil Pator (Project Associate), Ms Narzina Parbin (Assistant Project Scientist), Mr P.K Mahapatra (Research Technician, IRRI), Mr Gopal Ch. Roy (Research Technician) APART, KVK, Kokrajhar and 25 farmers including both male and female were present in the programme. The programme started with a welcome address by Ms Narzina Parbin APS, APART, KVK, Kokrajhar who briefly discussed about the objectives of the programme, and also about the different varieties being used in the trial, viz., three Premium Quality Rice (PQR) varieties, two Stress Tolerant Rice Varieties (STRVs) and one High Yielding Rice Variety (HYV). After that, Mr P.K. Mahapatra RT, IRRI explained how to evaluate the varieties by voting, based on their performance. For performance evaluation, the farmers were given different coloured tags. The female farmers were given pink and yellow coloured tags, where pink was for positive vote and yellow was for negative vote, and the male farmers were given light green and blue coloured tags where light green was for positive vote and blue was for negative vote. The farmers were asked to select the varieties based on their preference both for good and poor performing varieties. Performance evaluation of all the varieties was done, based on the number of votes and total scores obtained by the varieties. The programme concluded with the vote of thanks by Mr Sunil Pator, PA, APART, KVK, Kokrajhar.



**Contributors:**



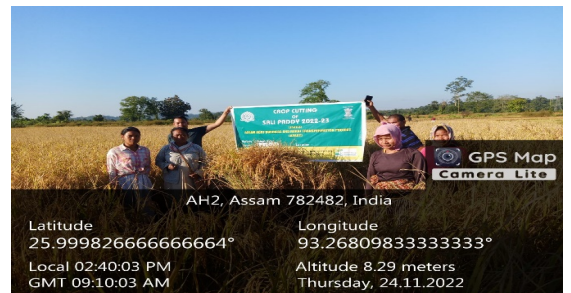
**Sunil Pator,**  
PA, APART, KVK, Kokrajhar



**Narzina Parbin,**  
APS, APART, KVK, Kokrajhar

### **Crop Cutting of Cluster Demonstration Organized under APART by RARS, Diphu**

On November 22 and 24, 2022, crop cutting programmes on *Sali* paddy demonstrations under APART on Cluster demonstration with varieties Ranjit-Sub1 and Swarna-Sub1 were organized at village Sarihajan, Bakalia & Langmili of Karbi Anglong District by APART team, RARS, Diphu. The crop cutting process was initiated by Mr. Mirlong Bey (R, APART) in presence of Mrs. Anjela Deka (PA, APART). Various parameters of the crop like effective tillers, plant height, moisture percentage of grains, panicle length, etc., were collected during field by using KoboCollect app. The average yield recorded ed was 24 mon/bigha for variety Swarna-Sub 1 and 20 mon/bigha for Ranjit-Sub 1. The farmers were highly satisfied with the crop performance.



**Contributor:**  
**Anjela Deka,**  
Project Associate, APART, RARS Diphu

## **Field Day-cum-Crop Cutting of Ranjit-Sub1 under Learning Centre Demonstration (LCD) organized by APART, KVK Barpeta**

On November 23, 2022, a field day-cum-crop cutting on Learning Centre Demonstration (LCD) of Stress Tolerant Rice Variety (STVR) Ranjit-Sub 1 was conducted by the APART team, Mr. Pinkudhar Barman, Nodal officer, APART, Miss Silpa Rajkhowa, Project Associate, APART, Mr. Nassir Ahmed and Mr. Abhijit Sarmah, Research Technician, APART. The programme was organized at Bhogpur, Bhabanipur where 40 farmers, both male and female participated in the event. Miss Silpa Rajkhowa, Project Associate, APART, welcomed the farmers and explained the objective of the programme. Mr. Pinkudhar Barman, Nodal officer APART, delivered lecture on the importance of the programme. He also provided technical knowledge to the farmers regarding different crop cultivation practices, doubling farmer's income, farm mechanisation, etc. After winding up of the field day event, crop cutting process followed, and a satisfactory review was received from the farmers' side. The farmers showed keen interest on the performance of the variety and were willing to grow the same in the next season too.



### **Contributors:**



**Silpa Rajkhowa,**  
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**Nassir Uddin Ahmed,**  
*Research Technician, APART  
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**Abhijit Sarmah,**  
*Research Technician, APART  
KVK, Barpeta*

## **Field Day on Sali Paddy (var. Bahadur-Sub1) under Learning Centre Demonstration Organized by RARS, Diphu**

On November, 2022, a field day on LCD including crop cutting was organized at village Thong Timungin of Rongkhang block in Karbi Anglong district. Ms. Krishna Bharadwaj (Junior Scientist, RARS, Diphu), Mrs. Anjela Deka (PA, APART), Mr. Mirlong Bey (RT, APART) along with 30 farmers participated in the programme. The programme started with welcome address by Anjela Deka (PA, APART). She briefly explained about APART objectives and the purpose of organizing field day, and made the people aware about high-yielding, stress-tolerant rice variety Bahadur-Sub 1.

Ms. Krishna Bharadwaj explained about scientific methods of rice cultivation, significance of different STRVs and their characters. Further, she emphasised the importance of quality seed selection for cultivation and seed production procedure. She also stressed on use of new technologies in farming. Thereafter, crop cutting was done at field and various parameters of crop were recorded and sent in KoboCollect app. The moisture content of the grain at crop cutting was 14.7 %. The average yield recorded was 640 kg/bigha. The farmers were highly satisfied with the performance of Bahadur-Sub1 over local variety.





**Contributor:**  
**Mrs. Anjela Deka,**  
**Project Associate, APART, RARS Diphu**

### **Training on harvest & post harvest machines conducted by RARS Titabor**

A one day programme on training on different harvest and postharvest machines was organized on 21<sup>st</sup> November, 2022, under APART, RARS Titabar in collaboration with International Rice Research Institute (IRRI). Dr. A.K. Medhi, Principal Scientist and In-charge of APART, Dr. P.C. Dey Principal Scientist, RARS Titabar, Mayuri Baruah, Junior Scientist, Dr. Manosh Boruah, Professor, Department of Agril. Engineering, Mr. Saurajyoti Baishya and Mr. Anubrot Borah from IRRI post-harvest and rice value chain specialist and a total of 30 numbers of farmers from Jorhat District were present in the programme. The programme started with a welcome address by Dr. A.K. Medhi, Principal scientist and In-charge of APART and welcome lecture on harvesting of rice was provided by Dr. P.C. Dey Principal scientist RARS Titabar. Dr. Manosh Boruah, Professor, Department of Agril. Engineering presented on different harvest and postharvest machines and a demonstration was conducted on RARS rice field.

The programe concluded with the vote of thanks by Dr. Gitasree Goswami, PA, APART. Mrs. Munna Saikia, Research Technician helped in smooth running of the programme.



**Contributor:**  
**Dr Gitasree Goswami**  
**PA, APART**  
**RARS Titabar**



### **Signing of MoU between Assam Seeds Corporation Limited (ASCL) and FPCs/ individual growers for seed production and buyback**

Quality seed is the sole input in strengthening the agricultural production on which the performance of all other inputs depends. Timely and adequate availability of quality seeds ensures good yield and profit to the farming community. Among all the inputs required for crop production, use of certified quality seeds alone may produce a hike of 15-20% in the total crop yield. Rice is the staple crop of Assam and majority of the farming community is involved in rice cultivation. But despite this, the average rice productivity of Assam lies below the national level average and the basic reason behind

this constraint is the inadequate availability of quality seeds of improved varieties including Stress Tolerant & high yielding varieties. Several factors like lower seed replacement and varietal replacement rate, inadequate seed processing and storage facilities and unorganized marketing networks had restricted the seed sector growth in Assam.

Therefore in this regard, a Seed Vertical has been set up under the World Bank funded Assam Agribusiness and Rural Transformation Project (APART) in collaboration with Assam Seeds Corporation Limited (ASCL) for making Assam self-sufficient in quality seed production and strengthening the seed value and supply chain of the state as well by involving the key stakeholders i.e. Assam Seed and Organic Certification Agency (ASOCA), Directorate of Agriculture, Directorate of Horticulture and Food Processing, Assam Agricultural University and international agencies like International Rice Research Institute (IRRI), so also national knowledge partners like ICAR-Directorate of Rapeseed and Mustard Research (DRMR) etc. The initiative aims at boosting up the seed system of the state by strategizing and reforming its seed production plans and procurement policy. The basic rationale is to meet the schematic requirements of the State, minimize the quantum of procurement/outsourcing of seeds from other agencies and to provide remunerative price for seed to farmers through the process of assured buy-back.

In accordance, for the first time, the Assam Seeds Corporation Ltd. has implemented the Certified seed production of climate resilient stress tolerant and high yielding Rice varieties of Assam (Ranjit Sub-1 and Bahadur Sub-1) in this Sali season (FY-2022-23) by providing approx 221 quintal of foundation seed to the 15 Seed Producing Farmer Producer Companies as listed below:

1. Sankar Azan Agro Producer Co. Ltd.,
2. Burhigang Valley FPC,
3. Jeutia Garaka FPC Ltd,
4. Tetelia Agro Organic Producer Company Ltd.,
5. Majiya FPC Ltd.,
6. Noipam Agro Producer Co. Ltd,
7. DAST- R FPC,
8. Madhabdeb Organic Agro Producer Company Ltd.,
9. Seuji FPC,
10. Itakhuli Organic Producer Company Ltd.,
11. Bokakhat Agro Organic Producer Company Ltd.,
12. Golaghat Tomato FPC Ltd.,
13. Padumpothar Agro Organic Producer Co. Ltd.,
14. Dobok Progressive FPC and
15. Ampri Orange Producer Company Ltd)

and individual growers.

Policy of assured buy-back would encourage the farmers in adoption of seed production as business thereby leading to promotion of seed entrepreneurship in the State. This Certified seed production was organized in the field of FPCs and individual growers under the supervision of Assam Seeds Corporation Limited, certification by Assam Seed and Organic Certification Agency (ASOCA) and technical guidance of International Rice Research Institute (IRRI).

In light of the above, on 25th November, 2022 the Memorandum of Agreement (MoA) on production, processing and buy-back of the Certified Paddy Seed was signed between the Assam Seeds Corporation Limited and the 15 FPCs and individual growers (as applicable) at the Conference Hall of ARIAS Society, Guwahati. The agreement adheres to buying back of those seed lots which meet the minimum quality and standard requirements prescribed in Indian Seed Act 1966 and Indian Minimum Seed Certification Standard 1988 respectively. As per the agreement, the grower farmers would get MSP amount directly in their accounts (Direct Benefit Transfer) and additional benefits would flow through the FPC. The event on signing of the MoA was graced by Sri. Gunajeet Kashyap, ACS, Managing Director, Assam Seeds Corporation Limited (ASCL) as Authorized Signatory on behalf of ASCL and was witnessed by Sri. Mausam Hazarika, Director, Assam Seed and Organic Certification Agency (ASOCA); Dr. R.P. Singh, Team Leader Seed Vertical, APART; Mrs. Priyanka Hazarika, Administrative Officer, ASC Ltd.; Sri. Baljeet Singh, Market Analyst cum Operations Specialist, APART, ARIAS



Society; Sri. Probin Bharali, Cluster Development Specialist, ARIAS Society; Dr. Kanwar Singh, Resident Coordinator & Senior Associate Scientist-II, Seed Vertical Team and other Officers and Officials from ASC Ltd. and ASOCA, participating FPCs and individual growers etc. All total of 40 participants including the Officers and Officials from different Organizations, Representatives from the FPCs and individual growers attended the event. The Program concluded successfully with a vote of thanks by Mrs Priyanka Hazarika, Administrative Officer, ASCL.

***Contributor:***



***Priyanka Das***  
***Seed Coordinator, APART, ASC Ltd***



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