



APART RICE WEEKLY

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Crop Cutting of Cluster Demonstration under APART, KVK, Karbi Anglong

Crop cutting of cluster demonstration, variety BINADhan 11 was conducted by KVK, Karbi Anglong under APART on October 29, 2022. The crop cutting was done at village Kawarambasti to disseminate technology among the farmers, by showcasing its better yield performance over local popular variety. When farmers were asked for their feedback regarding cultivation of BINADhan 11 and its overall performance, the beneficiary farmers along with farmers of near by areas said that they are highly satisfied with the performance of the variety BINADhan 11 as well as its non-lodging character.



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Field Visit Report on Ongoing *Sali* Paddy Demonstration under APART, KVK Barpeta

On October 20 and 21, 2022, field visits were undertaken by the APART team, Mr. Mridupawan Mudoi, Junior Researcher, IRRI; Miss Silpa Rajkhowa, Project Associate, APART; Mr. Jyotiprasanta Sarmah, Assistant Project Scientist, APART; Mr. Nassir Ahmed, Research Technician (RT) and Mr. Abhijit Sarmah, RT, APART; to observe the present status of various ongoing *Sali* paddy demonstrations at different locations of Barpeta district under Krishi Vigyan Kendra, Barpeta. The team observed the crop performance under Head-to-Head (Bahadur-Sub1), Wet DSR (Ranjit-Sub 1), LCD-STRV (Bahadur-Sub1, Ranjit-Sub1), MTPR (Bahadur-Sub1, Ranjit-Sub1), and ICMD-PQR (Keteki Joha) demonstrations in *Sali* paddy under IRRI supported activities of APART. In most of the demonstrations, the crop was found in the flowering stage with low degree of pest infestation. The farmers were advised to report, if any insect-pest and disease attack occurs. Overall the crop performance was good.



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Yield Estimation through Crop Cut Method

Crop cut is a yield estimation method from a unit area. By using this technique, average yield can be calculated for any crop, grown in a particular season. On October 29, 2022, the APART team of RARS, North Lakhimpur conducted crop cutting of *Sali* paddy variety BINA Dhan 11 under Head-to-Head demonstration at village 2 No. Ahmedpur and 2 No. Karunabari under Karunabari block. The average age of the crop was 126 days. The essential quantitative parameters of the crop were recorded to determine the overall characteristics of the particular variety. The data recorded were average number of plants/m² (30 numbers), average number of tiller/hill (15) and average plant height (104 cm). The average yield was found to be 44.70 quintals/ha. The grain moisture content at the time of harvest was around 16 per cent. The beneficiaries express their satisfaction by growing the variety BINADhan 11 due to higher yield, non-lodging and stress-tolerant characteristics. They mentioned that the performance of variety BINADhan 11 was better as compared to local varieties grown in the surrounding areas. Thus, the variety BINADhan 11 is gaining popularity among the farmers of the district.



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Crop Cutting Organized under APART by RARS, Diphu

On October 21, 2022, a crop cutting programme on *Sali* paddy Head-to-Head demonstration under APART was conducted at village Hemaihansearongin Bokajan Block of Karbi Anglong District. The variety was BINA Dhan 11, which was planted in comparison to local variety Joybangla. The crop cutting process was initiated by Mr. Mirlong Bey (RT, APART) in the presence of Dr. K.D Singha (Chief Scientist, RARS, Diphu) & Ms. Anjela Deka (PA, APART). Various parameters of the crop were collected at field by using Kobocollect app. The farmers were very much satisfied with the performance of the crop.



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Field Day-cum-Crop Cutting Programme under *Sali* Paddy Demonstration 2022-23

On October 29, 2022, the first field day-cum-crop cutting programme under *Sali* paddy demonstration 2022-23 was successfully conducted at Singimari, Hajo block of Kamrup district. The programme was organized by APART officials of KVK Kamrup. The presence of dignitaries Dr. Prasanna Kumar Pathak, DEE, AAU, Jorhat and Dr. Dharendra Nath Kalita, Head-cum-Principal Scientist, KVK, Kamrup, made the programme highly fruitful to the participants. Around, 70 farmers including 25 female farmers were present in the programme. Dr. Munmi Bora, PA, APART, KVK, Kamrup had started the programme with the welcome speech and briefed the objectives of the programme. Dr. Kalita had delivered the brief overview of APART and its importance. On the other side, Dr. Pathak explained the importance and advantages of adoption of STRVs in Assam.

He also encouraged the participants regarding seed dissemination system at farmers level. Finally, the crop cutting programme was done at LCD-STRV demonstration of variety, BINADhan 11 by Arup Jyoti Kakoti, RT, APART, KVK, Kamrup. The crop cutting data were taken from three plots with area of 5 square metre each. The yield data recorded during crop

cut were 1.65 kg/5m², 1.45 kg/5m² and 1.015 kg/5m², respectively.



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