

## **APART: RICE WEEKLY** **(27 - 31 Oct, 2020)**

### **Crop cutting of Bahadur-Sub1 under *Sali* Paddy minikit Demonstration, APART-ATMA, Nalbari for the year 2020-21**

The Crop Cutting programme of Bahadur-Sub1 on minikit demonstration was conducted by BTM & ATM at village Digheli of Pub Nalbari Development Block in District Nalbari on October 27, 2020.

The programme was carried out in the minikit demonstration plot of Mr. Paramesh Das, a progressive farmer, Pub Nalbari Development Block and obtained a yield of 11 kg from an area of 5 x 5 sqm with a total yield of 4.4 t/ha. The farmer was satisfied with the performance of the submergence tolerant rice variety Bahadur-Sub1.



*Bahadur-Sub1, Sali paddy, minikit demonstration plot ready for crop cutting*



*Contributor: Jyotish Barman, BTM, Pub-Nalbari Dev. Block, Nalbari*

### **Success story of Ranjit-Sub1, APART, KVK, Barpeta**

Ranjit-Sub1 rice variety has been developed by Assam Agricultural University researchers to get better yield under submerged conditions in the low lying areas of Assam state, as some parts of the state suffer from periodic floods during monsoon season.

Head to head demonstration of the variety was given in Uttar Bherbheri village, under Chakchaka Block of Barpeta. A



*During Flood*

total of 0.4 ha land was taken up under this demonstration with Ranjit-Sub1 variety by our one of our APART, beneficiary Mr. Padmadhar Das.

The variety was sown on June 07, 2020 with transplantation on July 17, 2020. After transplanting the particular plot suffered with three strokes of flood in two months time, and a total submergence period of around 24 days and still the variety survived with luxuriant growth.

The same plot was visited by Nodal Officer and PC\_OPIU-AAU on October 15, 2020 and found the crop with good growth. The crop is presently in flowering stage with profuse tillering. The plot is situated on a mild gradient and also faces frequent water current during rainy days. The variety is still surviving. This is a typical example of stress tolerance for Ranjit-Sub1.



*After Flood recovery*

*Contributors:*



*Sobnam Sultana, APS, APART, KVK, Barpeta*



*Bhaskar J Mahanta, PC, OPIU-AAU*

**Sali crop cutting of BINADhan 11 on ICMD-STRV, APART, KVK, Barpeta**

**Crop cutting cum harvesting of BINA Dhan 11** on ICMD-STRV demo plot was conducted under APART, by KVK, Barpeta in collaboration with IRRI. The programme was conducted at Kalbari village under Bhawanipur block of Barpeta district, Assam on October 27, 2020 to exhibit the varietal performance of BINA Dhan-11 among the farmers. This rice experiment on BINA Dhan11 was conducted at Mr Dinesh Das’s field.



*Crop cutting BINA Dhan 11*



*Contributor: Sobnam Sultana, APS, APART, KVK, Barpeta*

## Training & demo on post-harvest machineries under KVK Barpeta

A training and demonstration programme on Post-harvest machineries was conducted under APART by KVK, Barpeta in collaboration with IRRI. The programme was held at Kismat Dwarika village under Chakchaka block of Barpeta district, Assam on October 29, 2020 to exhibit the advantages and usefulness of the machineries. During the programme approximately 25 farmers including women were imparted training and this demonstration was conducted at the rice field of Mr. Gobardhan Pathak.



*Contributor: Sobnam Sultana, APS, APART, KVK, Barpeta*

## Field day celebrated along with crop cutting of Ranjit-Sub1 under KVK Morigaon

A field day was celebrated in the Tetelia village of Morigaon district on October 29, 2020 under the Learning Center Demonstration (LCD) in presence of 31 farmers of the village. An interactive session was carried out by Mr. Saurav Baruah, SMS, Soil Science and Mr. Sanju Borgohain, APS, APART with the farmers about their experiences with the new submergence tolerant rice variety Ranjit-Sub1. The farmers were utterly satisfied with the performance of Ranjit-Sub1 and are willing to take up for the



next season. According to them there were flood in the standing crop for more than 20 days and the variety still survived and harvested a well enough yield.

A crop cutting experiment was also carried out in the field of Mr. Jaydev Bordoloi on Learning Center Demonstration (LCD) and various yield attributing characters like plant height, number of hills per square meter, number of effective tillers per hill, grains per panicle, biomass yield and grain yield from 5 sq m area and moisture percent was also calibrated. The average calculated yield with 20% grain moisture was 7.8 ton/ ha (26 mon/bigha)



*Contributor: Sanju Borgohain, APS, APART, KVK Morigaon*

**KVK Morigaon conducted demo on post-harvest machineries**

On 31<sup>st</sup> of October, 2020 Krishi Vigyan Kendra, Morigaon successfully conducted a demonstration on Post-harvest machineries at Dungabori village in the presence of 32 number of farmers including farm women of the locality. Discussing the importance of post-harvest management Mr. Sanju Borgohain, APS, APART highlighted the use of machineries in different post-harvest activities right from harvesting & threshing to drying, milling, grinding etc. Mr. Saurav Baruah, SMS, Soil Science made the farmers aware on how they can be benefitted by selling value added product by proper post-harvest management and how they can sell their produce at MSP. The paddy of the field demonstration was harvested with crop harvester and threshing with Open Drum Thresher was carried out by Mr. Robin Hazarika and Mr. Rupam Bonia, RT, APART. Farmers found the both technologies suitable and profitable



*Contributor: Sanju Borgohain, APS, APART, KVK Morigaon*

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