

APART: RICE WEEKLY **(9th–13th November, 2020)**

Field-day with crop cutting on Learning Centre Demonstration of Ranjit-Sub1 and Training of Post-harvest Machinery, APART, KVK Kamrup

A field day on Learning Centre Demonstration (LCD) of *Sali* paddy i.e. Ranjit-Sub1 and training on post-harvest machinery was held at village Dharampur of Rani block on November 11, 2020. Total 97 participants from nearby villages attended the field day and the training programme, out of which, 55 were male participants and 42 were female participants. Dr. Munmi Bora, Project Associate of APART briefly informed the farmers about the activities of KrishiVigyan Kendra, Kamrup with respect to APART, particularly in collaboration with International Rice Research Institute (IRRI). Dr. Dharendra Nath Kalita (Head, Krishi Vigyan Kendra, Kamrup), Mr. Vipin Kumar (Specialist, International Rice Research Institute), were present during crop cutting and field day programme. The resource persons spoke in favour of mechanization in agriculture and how the farmers can be benefitted. Mr. Vipin Kumar (Specialist, IRRI) explained the functions of open drum thresher and its operations, while Mr. Ananta Gogoi (Research Technician, APART, KVK Kamrup) demonstrated the newly introduced open drum thresher to the farmers with the help of IRRI experts. Various feedbacks regarding the advantages and disadvantages of open drum thresher were given by the farmers.

The attendee farmers were highly satisfied, encouraged and motivated after seeing the performance of the Ranjit-Sub1 and very enthusiastic to adopt the Stress Tolerant Rice Variety (STRV), Ranjit-Sub1 in the next year *Sali* season. During field day, the farmers were delighted to know the current MSP of paddy Rs. 1868/- per quintal and are almost ready to sell their harvested paddy if they can sell their paddy at Bijoyagar, Paddy Procurement Centre (PPC) of NAFED. After the crop cut it was analysed that Ranjit-Sub1 yielded upto 5.1 ton /ha at 17% moisture in the field of Mr. Mahendra Chowdhury. Data on various yield attributing characters like plant height, number of hills per square metre, number of effective tillers per hill, grains per panicle, biomass yield and grain yield from 5square metre area were collected.

Ms. Komedy Chamua (Assistant Project Scientist), Mr. Ananta Gogoi, were the key organizers with local support of Mr. Mahendra Chowdhury. The APART staff of KVK, Kamrup helped in demonstrating the scientific crop cutting procedure and calculating the likely yield with the support of IRRI staff. The event helped the farmers to understand the importance of different STRVs such as Ranjit-Sub1, Bahadur-Sub1, BINA Dhan 11and Swarna-Sub1 and how these STRVs can contribute in increasing their income.



FIELD DAY AT VILLAGE DHARAMPUR OF RANI BLOCK



CROP CUT OF 5 M² AREA LCD- RANJIT-SUB1 AT VILLAGE DHARAMPUR OF RANI BLOCK



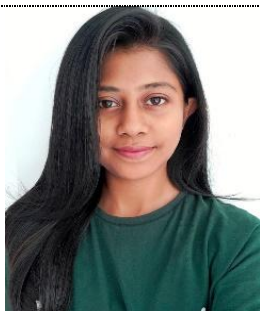
TRAINING ON POST HARVEST MACHINERY- DEMONSTRATION BY MR. ANANTA GOGOI, RT, APART, KVK KAMRUP



FARMER/ FARM WOMEN OPERATING OPEN DRUM THRASHER



Contributor: Dr. Munmi Bora, Project Associate, APART, KVK Kamrup



Contributor: Ms. Komedy Chamua, Assistant Project Scientist, APART, KVK Kamrup

Crop cutting of Sali Paddy Ranjit-Sub 1 and Bahadur-Sub 1 by KVK,Kokrajhar

Crop cuttings of Ranjit-Sub 1 under Cluster Demonstration and Bahadur-Sub 1 under Integrated Crop Management Demonstration (ICMD) were conducted by KVK, Kokrajhar under World Bank financed APART. The crop cutting programme on cluster demo of Ranjit-Sub1 was held at village Badlagaon and crop cutting programme on ICMD plot of Bahadur-Sub1 was held at village Kachukata on 9th and 10th of November, 2020, respectively, to showcase the adoption of high yielding Stress Tolerant Rice Varieties (STRVs). The programme was carried out in paddy demonstration plot of two different APART beneficiaries. An interactive session was carried out with the farmers, where the farmers have shared their experiences with the new STRVs, Ranjit-Sub1 and Bahadur-Sub1. The farmers were very much satisfied with the performance of the varieties and are willing to sow the variety in the next *Sali* season. Assistant Project Scientist, Mr Hemanta Borkakati, KVK, Kokrajhar and Research Technician, Mr Gopal Chandra Roy were present during the entire programme.



CROP CUTTING OF RANJIT-SUB 1 AND BAHADUR-SUB 1



Contributor: Hemanta Borkakati, Assistant Project Scientist, KVK, Kokrajhar

Crop cutting of *Sali* paddy Ranjit-Sub1 under APART in Darrang

Field demonstrations were conducted on STRV, Ranjit-Sub1 at various locations of Darrang district under Assam Agri-Business and Rural Transformation Project (APART) during *Sali* season, 2020. The variety was grown under Cluster, Dealer led and Minikit demonstrations covering an area of 375 bigha, 14 bigha and 97 bigha, respectively, with the technical support of IRRI. To exhibit the varietal performance of Ranjit-Sub1 among the farmers, crop cutting programmes were held on 10th November, 2020 at No. 1 Thekerabari, Dahinagaon, Bamunpara and Saruthekerabari villages by Krishi Vigyan Kendra (KVK), Darrang, Assam. Observations on various growth and yield attributing characters were obtained from 5m² area *viz.* plant height, effective tillers per m², total grains per panicle, filled grains per panicle, unfilled grains per panicle and 1000-grain weight of rice and converted to one hectare. The variety resulted in average grain yield of 5.3 ton/ha, 5.2 ton/ha and 5.3 ton/ha under Cluster, Dealer led and Minikit demonstration plots, respectively. Jr. Researcher (IRRI) Mr. Amlandeep Saikia and all the APART team members from KVK i.e. Project Associate – Barsri Baro, Research Technicians –Kushil Gogoi and Rana Gogoi were also present in the programme.



Contributor: Barsri Baro, Project Associate(APART), KVK, Darrang

Dealers Meeting at KVK Sivasagar

A dealers meeting was organised on 10th of November, 2020 by KVK Sivasagar. The meeting was attended by fertilizer dealers, seed producers and farmers from different parts of the district. Dr. Rahul Priyadarshi (Seed Specialist, IRRI) and Jutika Das (Project Scientist, APART) were the resource persons. The trainees were made aware of the various aspects of World Bank financed APART. The farmers were informed of the benefits of taking up seed production on commercial scale, how to link up with dealers and the growing market of several indigenous rice varieties.



Contributor: Panchami Bordoloi, APS, KVK, Sivasagar

Field day and yield estimation through crop cutting of *Sali* Paddy (Var. Ranjit-Sub 1) at Jurgaon, Morigaon

On 12th of November, 2020, a field day was organized at Jurgaon village in Morigaon district, in the presence of Dr. Rijusmita Sarma Deka, Senior Scientist and Head, KVK, Morigaon, Dr Shaptavdipa Bhattacharjee, SMS, Plant Breeding & Genetics, Ms Pinky Pathok, Project Associate, APART and Mr Sanju Borgohain, APS, APART. A total of 44 farmers were present in the field day. Dr. Rijusmita Sarma Deka, mentioned about the importance of organizing field day and discussed about the performance of *Sali* paddy var. Ranjit-Sub1 with the farmers. Ms. Pinky Pathok and Sanju Borgohain during interacting with the farmers highlighted the satisfactory results observed with the performance of variety Ranjit-Sub1 compared to other local varieties grown in the locality. The farmers provided positive feedback on the performance of the variety and expressed their willingness to grow it in the next season. During the crop cutting of mechanical transplanted rice (MTPR) variety, Ranjit-Sub1, parameters like plant height, number of plants per 5m², number of tillers per plant, grain weight etc were recorded.



FIELD DAY AT JURGAON



CROP CUTTING OF MTPR VAR. RANJIT-



Contributor: Pinky Pathok, PA, APART

Field day & crop cutting on Swarna-Sub1 under APART, KVK, Barpeta

Field day on Swarna-Sub1, Learning Cente Demonstration (LCD) including crop cutting demonstration was conducted under APART by KVK, Barpeta in collaboration with IRRI. The programme was held at Jalikhata village under Bajali block of Barpeta district, Assam on 9th November, 2020 to exhibit the varietal performance of STRV, Swarna-sub1. During the programme, approximately 30 farmers including women were present. The APART team KVK, Barpeta and Junior Researcher, IRRI, Barpeta addressed the gathering and discussed at length about the advantages of STRV, Swarna- Sub1. The crop cutting experiment was carried out in the paddy field of Mr. Himanhshu Thakuria.



FIELD DAY CELEBRATION



CROP CUTTING EXPERIMENT



Contributor: Sobnam Sultana, APS(APART), KVK, Barpeta

Field day and crop cutting of STRV, Ranjit-Sub1 on Learning Centre Demonstration under APART organized by RARS Shillongani, Nagaon

During *Sali* season, 2020 a field day cum crop cutting program was organized on November 11, 2020 in the LCD plot of Mr. Sunil Phukan at Samaguri Grant village of Nagaon district under the supervision of Dr. Sharmme Gogoi (Project Associate) and Mr. Biplab Baruah (Research Technician).

In the program on behalf of RARS, Shillongani Dr. Pabitra Kr. Bordoloi (Principal Scientist, Plant Breeding and Genetics) was also present who delivered a very informative speech on stress tolerant rice varieties, especially on Ranjit Sub-1 and its role on economic growth of the farmer.

During the program the beneficiary farmer shared his experience on the performance of STRV, Ranjit Sub-1 with the other invited farmers and also advocated to adopt the STRV for better economic growth.

Data on various growth and yield attributing characters viz. plant height, effective tillers per meter square, grains per panicle, straw weight etc. were observed from an area of 5 meter square. The average grain yield obtained was 26 mon/bigha (approx.7.8 t/ha).



Contributor: Sharmme Gogoi, Project Associate, RARS Shillongani, Nagaon
