



APART RICE WEEKLY

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Installation of Pheromone Traps in *Sali* Paddy Demonstrations under RARS, Shillongani, Nagaon

Pheromone traps are effective tools to monitor and control the insect-pests in rice crop. On September 15, 2022 installation of pheromone traps with lure in cluster demonstrations was successfully done at various villages in the ongoing *Sali* Paddy demonstrations. It was carried out under the supervision of Dr. Sharmme Gogoi, Project Associate, APART. Mr. Partha Protim Borah, Research Technician, APART demonstrated the methodology for installing the pheromone traps with lure to the farmers. Using specific pheromone traps, the targeted insect-pests can be monitored in an agricultural field and it also helps in reducing the damage to the crop. Moreover, this technology helps in reducing the chemical use in the crop.



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Mechanical Methods of Pests Management Adopted in Rice Variety Cafeteria under *Sali* paddy

Managing diseases and insect-pests by incorporating physical, mechanical and chemical means is of paramount importance in present Agricultural scenario. A Rice Variety Cafeteria under *Sali* paddy 2022 has been conducted at RARS, North Lakhimpur in 3 replications with 24 number of varieties including semi-deep water rice varieties (5 nos.), deep water rice variety (1 no.), high yielding rice varieties (4 nos.), stress tolerant rice varieties (8 nos.) and premium quality rice varieties (6 nos.). Rice Variety Cafeteria was conducted with the objective to enable different stakeholders to select suitable or preferred rice varieties based on their performance in a particular agro-climatic zone. The sowing and transplanting were completed with staggered planting to attain uniform flowering. At present, crop has attained robust vegetative growth with flowering observed till date is only in four (4) varieties, viz., BINADhan 17, Kalamalifula, BRRi Dhan 75 and CR Dhan 801. Manual weeding was conducted and pheromone traps were installed with scripo lure to trap yellow stem borer. Installation of 'T' bird perches @ 5 nos. per bigha for insectivorous birds was done and also ensured its removal before panicle initiation. We have also recorded the parameters necessary during vegetative stage for further evaluation of varieties as per format shared by the International Rice Research Institute (IRRI).



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Field Visit on Ongoing *Sali* Paddy Demos under APART, KVK, Dhubri

On September 7 and 8, 2022, field visits were undertaken for observing the present status of various ongoing *Sali* paddy demonstrations at different locations of Dhubri District by Krishi Vigyan Kendra (KVK). The field visits were carried out by APART team which included Mr. Bikash J. Gharphalia (SMS, Agrometeorology), Ms Rimjim S. Bora (APS, APART), Mr Chandan Bora and Mr Sandhan Kr. Das (RT, APART). The team observed the crop growth stages and ongoing insect-pest and disease infestations under various demonstrations. The crops were mainly at tillering stage. The common and major pest observed in most of the demonstrations was stem borer and at some places sheath blight disease was also observed. Weed problem was also seen as a major issue in drought affected areas. The farmers were advised to apply the chemicals for the control of stem borer and sheath blight and were also to control the weeds.



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