

Visit to RARS, Maruteru, Andhra Pradesh on 19-10-2024**Objectives of the visit**

The main objective of the visit was to know about rice hybrid and varietal development, selection of parental lines and the streamline of varietal release. To acquaint about many different rice lines including black and red rice's.

Description of the event

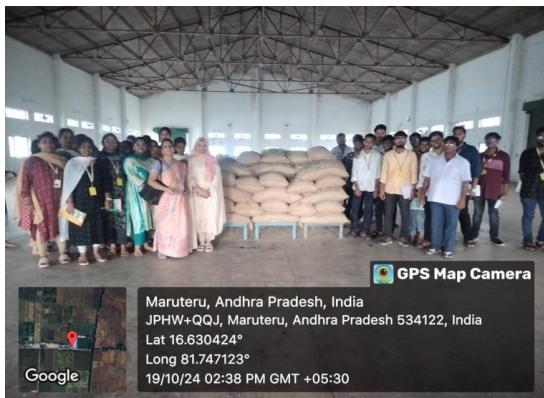
The RARS, works for the improvement of rice lines through all the different departments of agriculture, developed mega rice varieties, popular rice varieties were shown, rice seed display, F1 block, insectarium, Rice disease and pest screening trials was explained, the drawbacks of most popular cultivars and defect correction schemes were shown, wide genetic diversity of rice cultivars can be seen at one place. The biotechnological concepts like molecular markers usage and speed breeding concept trials were also shown. Methane gas emission recording by gas chamber, IFS unit, physiology trials, quality trials, soil testing labs, agronomic practices, seed processing unit and drone technology, vertebrate pest management were keenly observed and explained.

Students observed rice varieties like

Vijetha
Swarna
Cotton dorasanalu
Gowthami
Indra
Vasistha
Vajram
Pushyami
Tarangani

Total of 45 rice varieties and 66 hybrids were developed by RARS, Maruteru.

In addition to these, they acquainted knowledge on how to develop varieties and hybrids. They also got to know about varietal release procedure and the screening process. Specifically, students acquired knowledge on speed breeding, molecular breeding and gene editing and also about other Agri departments screening.



Outcomes of the visit:

- Students acquired knowledge on hybrid rice seed production
- Students acquired knowledge about how to release new varieties
- Students gained knowledge about different rice varieties and hybrids, major pests and diseases & their screening techniques