

Center for scientific excellence

Lloyd T. Evans Plant Growth Facility

This state-of-the-art facility demonstrates IRRI's commitment to conserve elite breeding germplasm and study plant responses in a wide range of controlled environments. Researchers can use managed systems to precisely control temperature, relative humidity, light intensity, photoperiod, atmospheric gases, and water.



To minimize loss of seed viability, this facility has a dedicated area for standard processing and three rooms for short-term storage of seeds under optimum conditions.

The phytotrons and glasshouses will help facilitate a better understanding of the effects of climate change on plant growth. It is expected to greatly contribute to plant breeding efforts.

Features

Seed processing and storage

Fumigated seeds received at this facility will be dried, processed, cleaned, and tested for germination rate, pests, and disease. After passing these tests, seeds will be repacked for distribution or storage.

- Seeds reception
- Drying room
- Processing area
- Sorting and cleaning area
- Germinators
- Repacking and dispatch room
- Storage room

Phytotron and glasshouses

Plants need to pass through plant health screening before use in experiments in this facility. The laboratory facility supports various research activities in glasshouses and phytotrons.

- Soil processing room
- Plant quarantine screenhouse
- Plant processing laboratory
- Threshing and cold room
- Glasshouse bays
- Phytotron growth chambers
- Storage room



International Rice Research Institute (IRRI)

IRRI is the world's premier research institute committed to convening international knowledge and expertise in the creation of a sustainable global rice sector to achieve food and nutrition security, improve the quality of life of rice-related communities, and protect the rice-growing environment for future generations. The organization works to connect dual spheres, generating and harnessing international expertise to expand the horizons of knowledge, and building local capacity to leverage best practices in agriculture, economics, and climate change management.

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