

## INSTRUCTION-FOLLOWING EXAMPLE



### IMAGE DESCRIPTION

The image depicts a blast disease affecting paddy rice crops. The symptoms of the disease are visible as spindle-shaped leaf lesions on the plants. These lesions are typically indicative of the fungal pathogen *Magnaporthe oryzae*, which thrives in conditions of high humidity and rainfall. To control this disease, resistant varieties of rice and the use of fungicides can be effective measures.

### EXTERNAL KNOWLEDGE

#### Symptoms

- Initially, small, dark-green and water-soaked streaks on interveins from tillering to booting stage
- The progress of the streaks is longitudinal, limited by the veins and soon turn yellow or orange brown.
- All along the streaks bacterial exudates could be observed as tiny yellow or amber colored droplets.

#### Management Strategies

- The disease can be controlled by proper application of fertilizers and proper plant spacing, use of resistant varieties, and hot water treated seeds.
- Practicing field sanitation is important.
- Ratoons, straws and volunteer seedlings left after harvest can be destroyed to minimize the initial inoculum at the beginning of the season.

### ATTRIBUTES

**TYPE:** Leaf

**PLANT:** Paddy

**DISEASED:** Yes

**NAME:** Blast