

**SUGAR REGULATORY ADMINISTRATION**  
**LA GRANJA AGRICULTURAL RESEARCH AND EXTENSION CENTER**  
**BRGY. LA GRANJA, LA CARLOTA CITY**



**VARIETY IMPROVEMENT AND PEST MANAGEMENT SECTION**

**Smut Resistance Trial, PHIL 2020 Series (Row Test)**

- Date of Completion of Study: June 2023
- Date of Completion of Terminal Report: July 2023

Three hundred-three clones and two check varieties were inoculated with smut spores to test their resistance to the disease. These clones were incubated for two days and planted in plastic bags at 20 replicates for each clone.

Collection of data was done one month after planting and bi-monthly thereafter until six months.

Results showed that 196 clones were very highly resistant, 1 highly resistant, 15 resistant, 30 intermediate resistant, 12 intermediate average, 12 intermediate susceptible, 12 susceptible, 10 highly susceptible, and 15 very highly susceptible to the disease. Only resistant clones will be propagated in Multiplication II and further tested to Downy disease.

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