

**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 2018 Series (PYT)**

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

Thirty clones were selected out of 197 clones from Multiplication II Phil 2018 series. These clones including VMC 86-550 and Phil 8839 as control variety were inoculated with smut spores to test their resistance to the disease. These were incubated for two days and planted in field in 5 meters long and replicated four times in each clone.

Collection of data was done one month after planting and bi-monthly until 6 months, same with the ratoon.

In plant cane, results showed that 29 clones were very highly resistant and 1 was intermediate resistant while in ratoon cane, 28 were very highly resistant, 1 resistant, and 1 intermediate resistant. Only resistant clones will be selected for Ecological Testing.

Prepared by:

Noted by:

**MA. THERESA D. ALEJANDRINO**  
Supervising SRS, VIPM Section

**HELEN B. LOBATON**  
Manager III, RD&E-Visayas

Certified Completed:

**ATTY. IGNACIO S. SANTILLANA**  
Deputy Administrator II, RD&E