

Terminal Reports

CY 2023

BIOTECH Section

Pollination, Sowing, and Seedling Care, Phil 2022 Series

Date of Completion of Study: June 2023

Date of Completion of Terminal Report: July 2023

During the 2022 breeding season, flowering of parental clones and varieties was early with a peak of full emergence observed in the last week of October 2022.

Pollination work started October 14 and ended December 2, 2022, utilizing 101 female and 34 male selected parents. A total of 354 arrows from 253 biparental cross combinations were pollinated. From these, 344 arrows from 253 biparental crosses were harvested.

The sowing of fuzz in 253 seed boxes from November 19 to December 6, 2022, resulted in the germination of seedlings in 253 biparental crosses consisting of 344 arrows. Medium to very good germination was observed in 82% of the crosses. Overcrowded seedlings in 207 parental crosses were pricked in 836 seed boxes.

Seedlings in 1,089 seed boxes were given proper care and management like regular watering, fertilization, spraying of insecticides and fungicides, trimming of leaves, weeding, and cultivation prior to transplanting in May to June 2023.

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