



## VSU RESEARCH QUARTERLY REPORT OF ACCOMPLISHMENT FORM

### Conservation and Characterization of Coconut Genetic Resources from Typhoon Damaged Areas in Eastern Visayas for the Development of a Typhoon-Tolerant Variety (NCRC.15.115-917)

October 2021 - December 2021

#### 1. Maintenance and Monitoring of *in situ* conserved typhoon-survivor palms

- As of December 2021, a total of one hundred fifty-one (151) typhoon survivor palms were conserved *in situ*. Tolosa B-2 population has the tallest mean plant height of 583.62 with mean girth size of 118.11 cm and mean leaf count of 11. Burauen and Alang-Alang populations had poor growth performance due to a shaded area (Table 1).
- A new proposal to extend the duration of this project was submitted with the revised title "Conservation and Characterization of Coconut Genetic Resources from Typhoon Damaged Areas in Eastern Visayas for the Development of a Typhoon-Tolerant Coconut Variety" but the proposal was not approved and was terminated last June 2021. However, maintenance and monitoring were continued despite the termination.

Table 1. Growth performance of typhoon-survivor palms conserved *in situ*

Typhoon-damaged areas*	Field-planting date	Palm Age (yr)	Mean leaf count	Mean girth size (cm)	Mean plant height (cm)	Mean Trunk length
Alang-Alang (B-1)	Mar. 2, 2017	4	7	71.76	276.77	
Burauen (B-1)	June 18, 2018	3	6	23	288.17	
Dagami (B-1)	June 15, 2018	3	9	89.33	449.59	
Dulag (B-1)	Mar. 2, 2017	4	9	79.47	374.72	14.25
Dulag (B-2)	Sep. 14, 2017	4	10	93.71	514.23	-
Dulag (B-3)	Jul. 13, 2018	3	9	66.30	564	-
Palo (B-1)	Jul. 13, 2017	4	9	87.41	376.24	21.3
Palo (B-2)	Sep. 14, 2017	4	7	47.97	406.23	-
Sta. Fe (B-1)	Mar. 2, 2017	4	10	93.36	367.01	25.157
Tanauan (B-1)	June 15, 2018	3	10	103.44	528.78	-
Tolosa (B-1)	Mar. 2, 2017	4	8	81.72	374.125	27.7
Tolosa (B-2)	Jul. 13, 2018	3	11	118.11	583.62	-

Submitted By:

**JERREL ANN L. LAGITAO**  
Science Research Assistant

