

## Waimanalo Xanthosoma Observational Tissue Culture Field Trial Report 7.30.20

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Plants received from Peter Kam February 22, 2017

Planted two keiki at Poamoho and multiplied in Waimanalo, delivered to HARC: February 28, 2018

Plants mass produced by HARC using Hawaii Grant in Aid (GIA) funds

Obtained tissue cultured plants from HARC Maunawilli on May 29, 2019

Planted May 31, 2019 at Waimanalo Research Station (WRS) (30'x100')

Scheduled a field day on March 28, 2020-Cancelled due to COVID-19

Delayed harvest per Peter Kam to July 29, 2020

Data collected on July 29, 2020

Huli from harvest given to HARC on July 29, 2020

Corms and keiki given to Peter Kam on July 29, 2020

Will hold off on crop destruct and harvest the remaining corms in a few weeks. Field will be maintained at the WRS.

Treatment	Crop	Average Keiki / Plant	Average Weight (lb) / Plant	Average Weight (lb)/ Makua
2 feet spacing	Xanthosoma	25.3	11.3	7.1
2.5 feet spacing	Xanthosoma	26.3	12.0	9.3
3 feet spacing	Xanthosoma	25.8	13.0	9.5
3.5 feet spacing	Xanthosoma	37.5	15.9	9.1
2 feet spacing	Bunlong-Control	Harvested too late		
3.5 feet spacing	Bunlong-Control			