CHINESE & HEAD CABBAGE VARIETY EVALUATIONS ON MAUI & OAHU

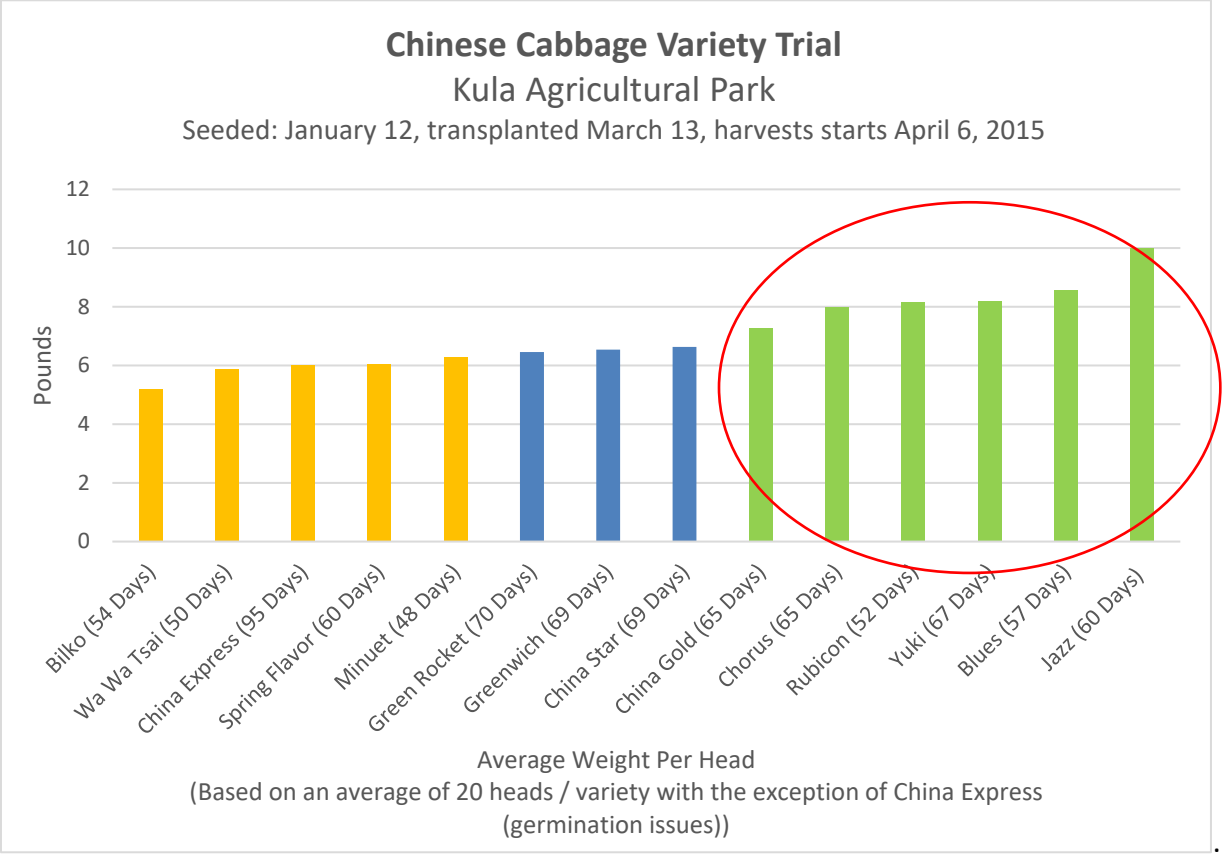
J. Sugano, R. Shimabuku, P. Shingaki, S. Fukuda, J. Uyeda, and T. Radovich
University of Hawai'i at Mānoa
College of Tropical Agriculture and Human Resources
August, 3, 2015

Pests and diseases remain significant bottlenecks in maintaining the economic viability of Hawaii's diversified agricultural sector. Continuous identification of promising new vegetable varieties in addition to reduced risk, sustainable pest management approaches for commercial edible crop production systems remains a top priority for the UH CTAHR, Cooperative Extension Service.

In 2014, we increased vegetable suitability trials in select parts of the state to combat new and reoccurring pest invasions while also attempting to balance edible crop production with the recent climatic changes in our agricultural environment.

CHINESE CABBAGE

Please find below results from a replicated Chinese cabbage variety trial conducted in partnership with Maui Extension agent, Robin Shimabuku, and staff at the Kula Experiment Station.



The yield data presented below represents the average weight / head based on an average of 20 heads selected at random.


JAZZ
69 DAYS


CHINA EXPRESS


GREENWICH
69 DAYS


GREEN ROCKET


CHINA EXPRESS


MINUET

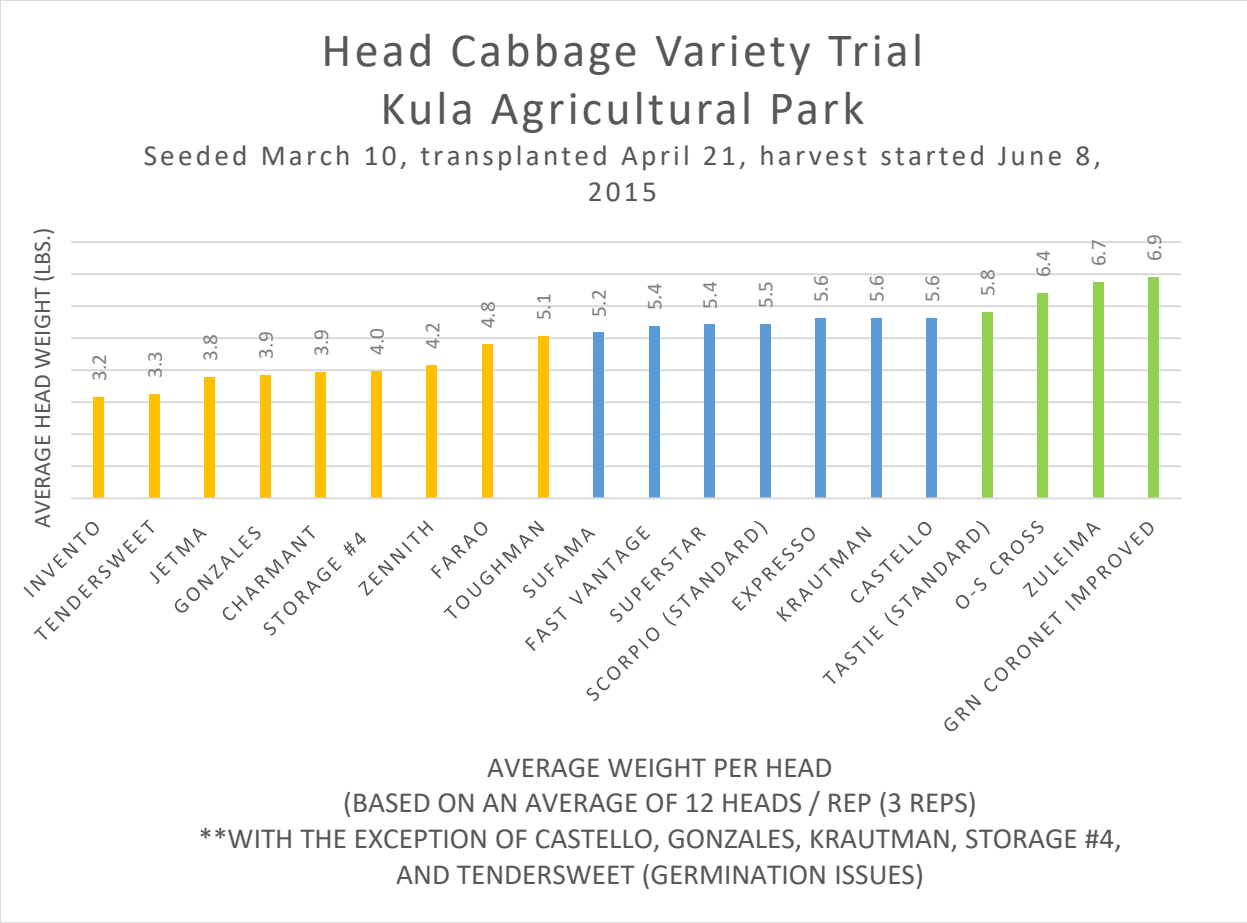

BILKO


CHORUS


Oahu's field trial suffered severe crop failure during this same period. We evaluated the same 14 varieties.


HEAD CABBAGE

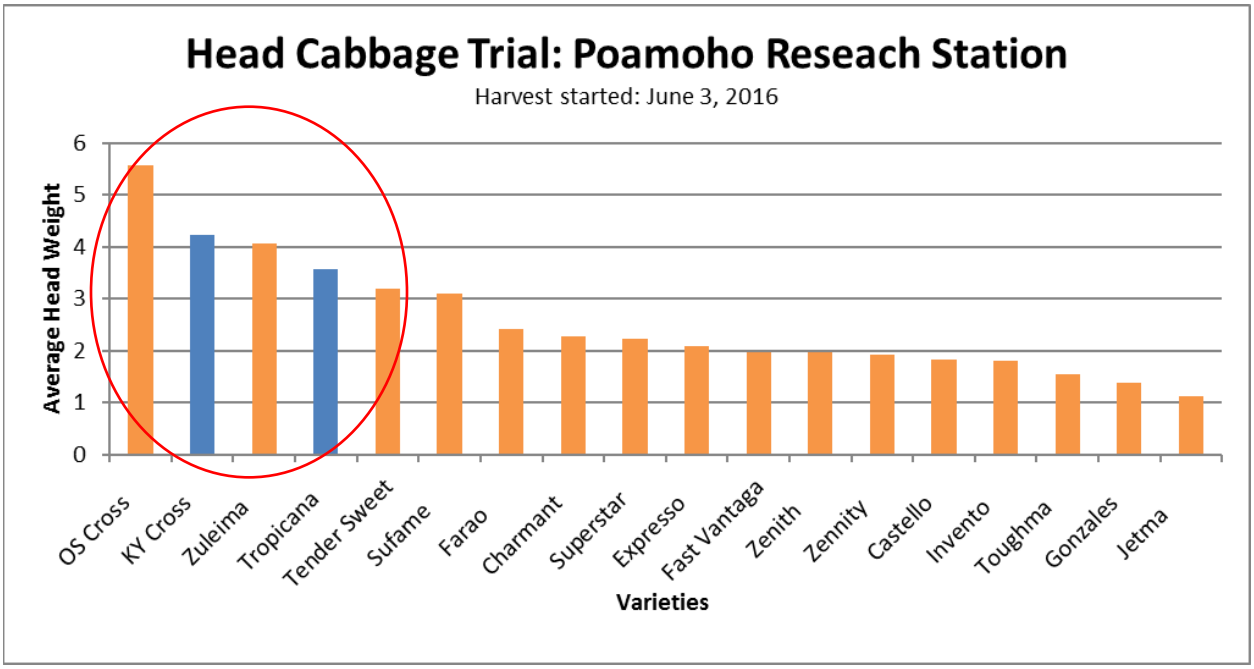
Informal results from another joint head cabbage variety trial conducted in partnership with Maui Extension agent, Robin Shimabuku, Maui Research Station Manager, Pam Shingaki and the staff at the Kula Experiment Station.



Approximately 40-70 heads of each head cabbage variety were grown in replication in Kula, Maui. The average weight per head was calculated based on a random selection of twelve heads per replication. There were three replications (36 heads)**

POAMOHO, OAHU

Seventeen varieties of head cabbage were transplanted in a randomized complete block planting design at the Poamoho Experiment Station with the assistance of Research Station Manager, Susan Migita and staff. The intent of these field trials was to evaluate yield and the horticultural characteristics of head cabbage cultivars at low elevation.


Head Cabbage Trial: Poamoho Reseach Station
Harvest started: June 3, 2016
Average Head Weight
0
1
2
3
4
5
6
OS Cross
KY Cross
Zuleima
Tropicana
Tender Sweet
Sufame
Farao
Charmant
Superstar
Expresso
Fast Vantaga
Zenith
Zennity
Castello
Invento
Toughma
Gonzales
Jetma
Varieties


TASTIE
Expressa
Fast Vantage
SCORPIO