Yield and Quality of Aquaponic Vegetables

The Dirt on Soiless Agriculture

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Vegetable variety trials at Waimānalo

- •3 week old seedlings started in trays of peat w 10% vermi.
- •7-8 Pakchoi varieties were transplanted July 2012 and January 2013.
- 6 beet varieties transplanted October 2012 and May 2013.
- 4 reps, 6 plants per rep with 8 inch spacing between and within rows.
- Pakchoi 28-35 days after transplanting. Beets @ 45 days

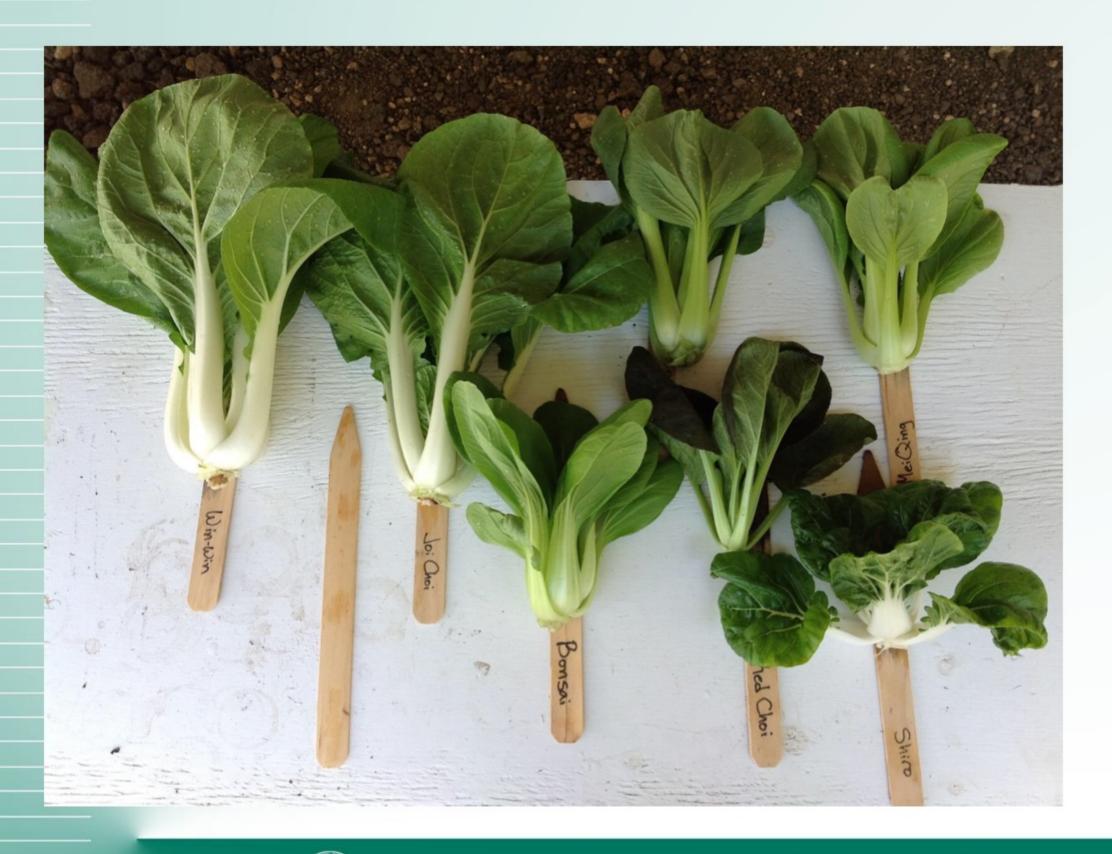








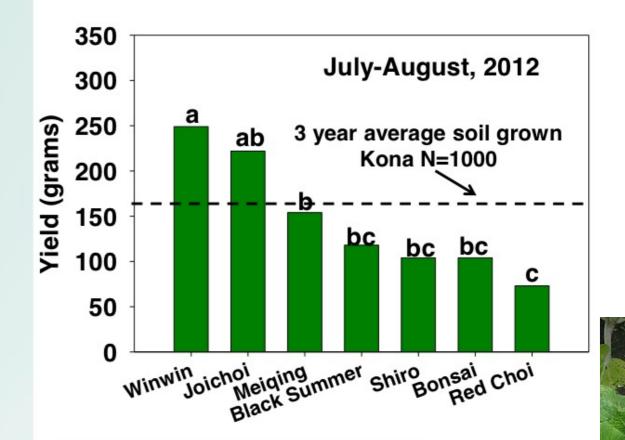
Pak Choi Yield

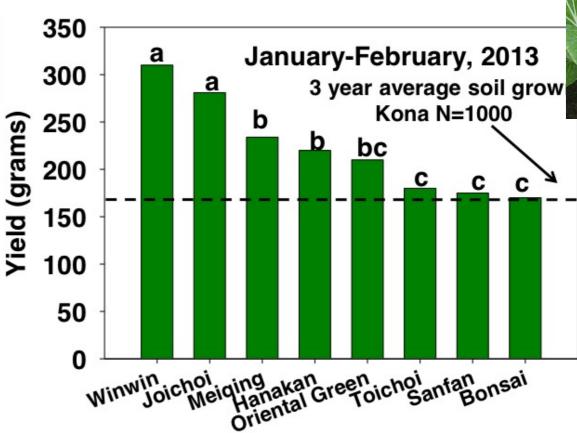


Yield

- Yield was greatest in the white stem varieties.
- However there is a strong market for the green stem varieties.
- Head sizes of both type were comparable to soil grown.







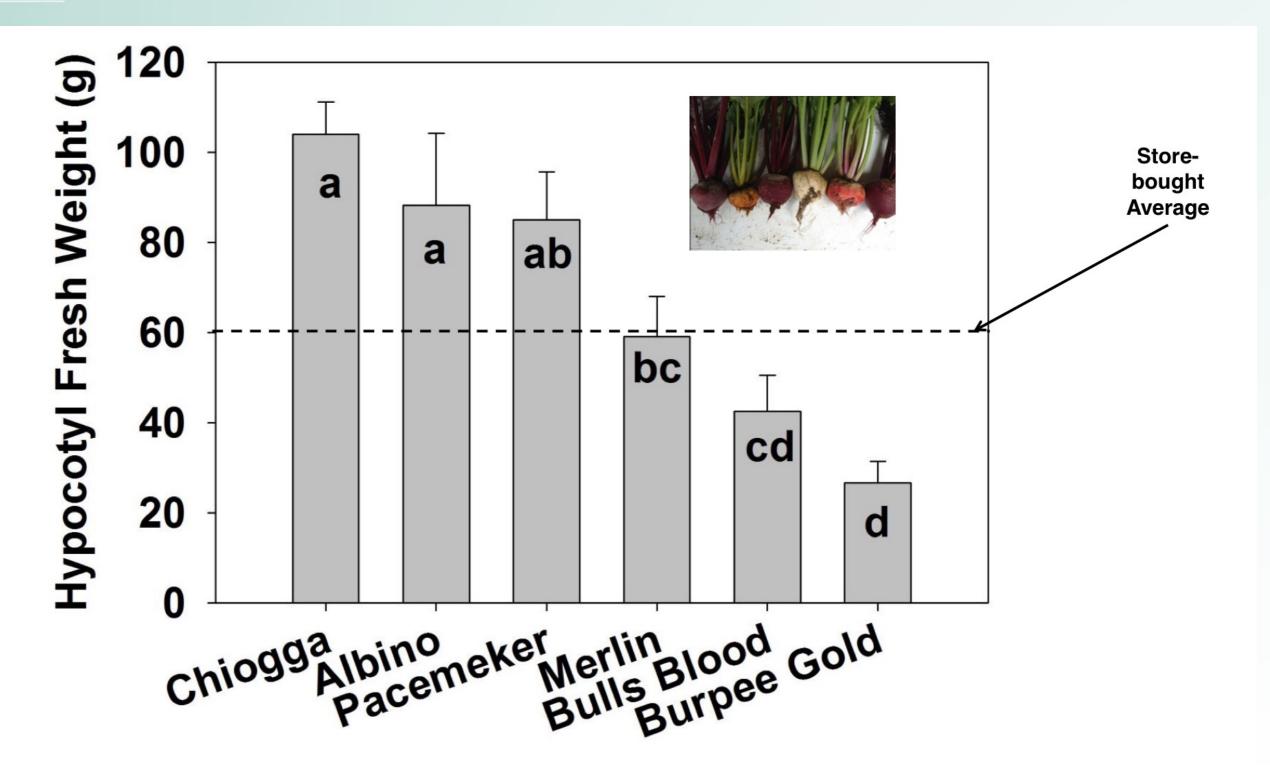
Pakchoi Glucosinolate content July-Aug 2012



Beet Yield



Beet Yield



Yield

Sylvesta



Red Cross



Bambi



Rhazes



Nancy



Manoa



Australe

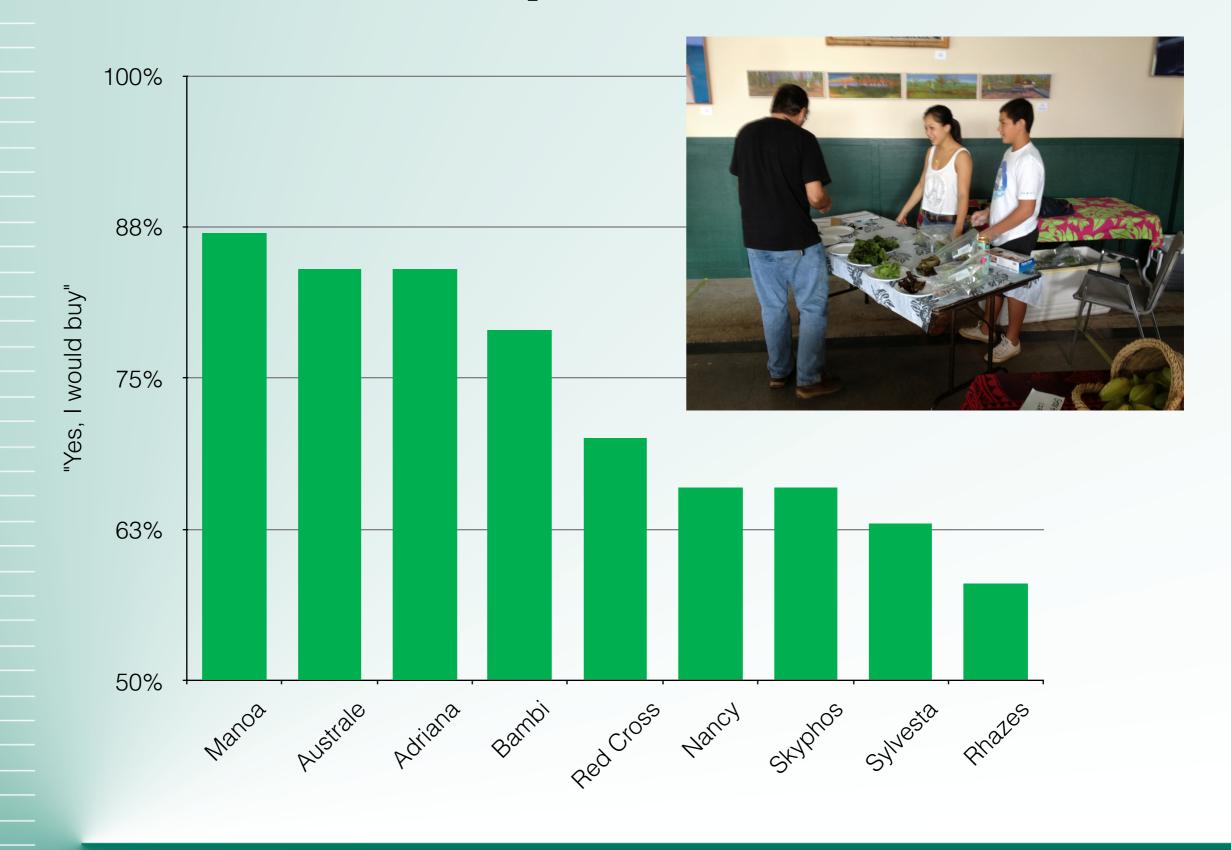


Skyphos



Lettuce Yield 110 82.5 Head Weight (g) 55 27.5 Australe Barribi Nancy Marioa Skyphos Red Cross Adriana Sylvesta Anales

Consumer Acceptance









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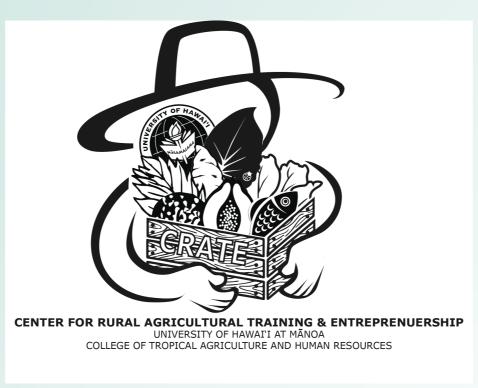
















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