

Yield and Quality of Aquaponically Grown Pakchoi and Beet Varieties.

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Vegetable variety trials at Waimānalo

Effluent from
~100 lb fish in a
650 gallon tank
re-circulated
through 4'x48'
beds with black
cinder media.



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

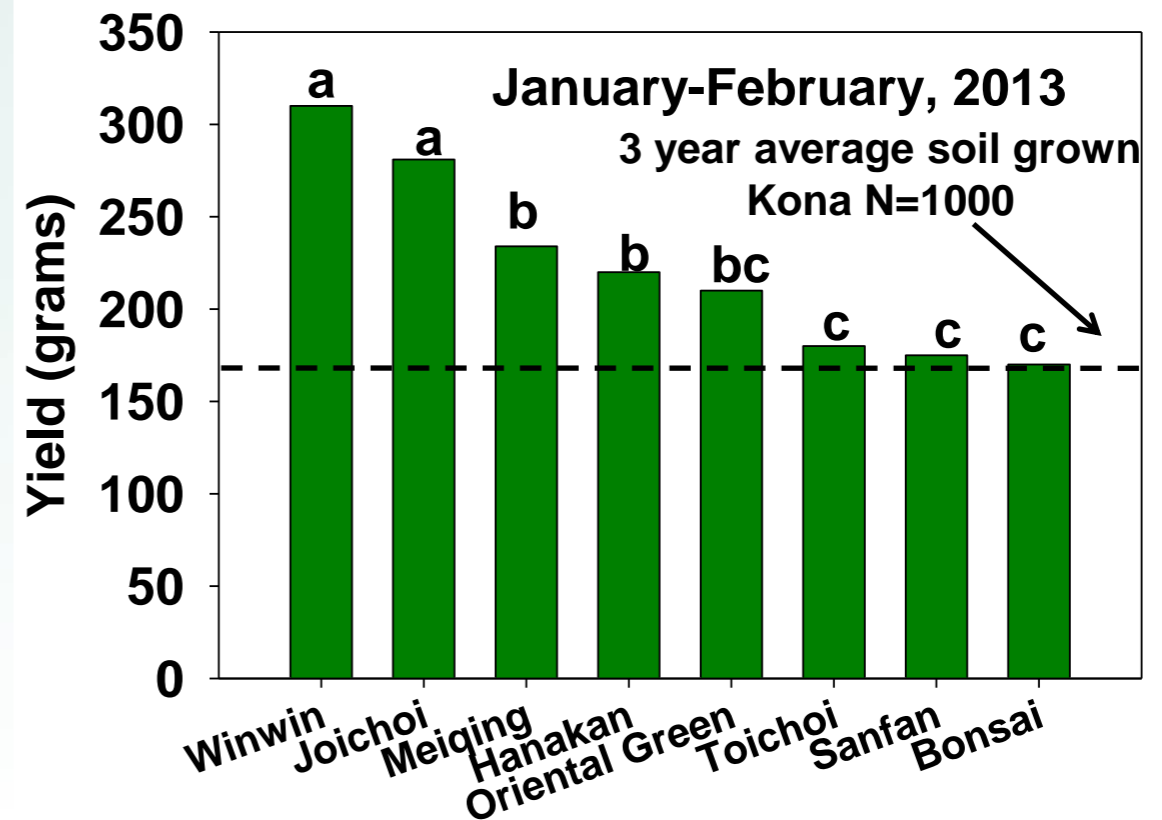
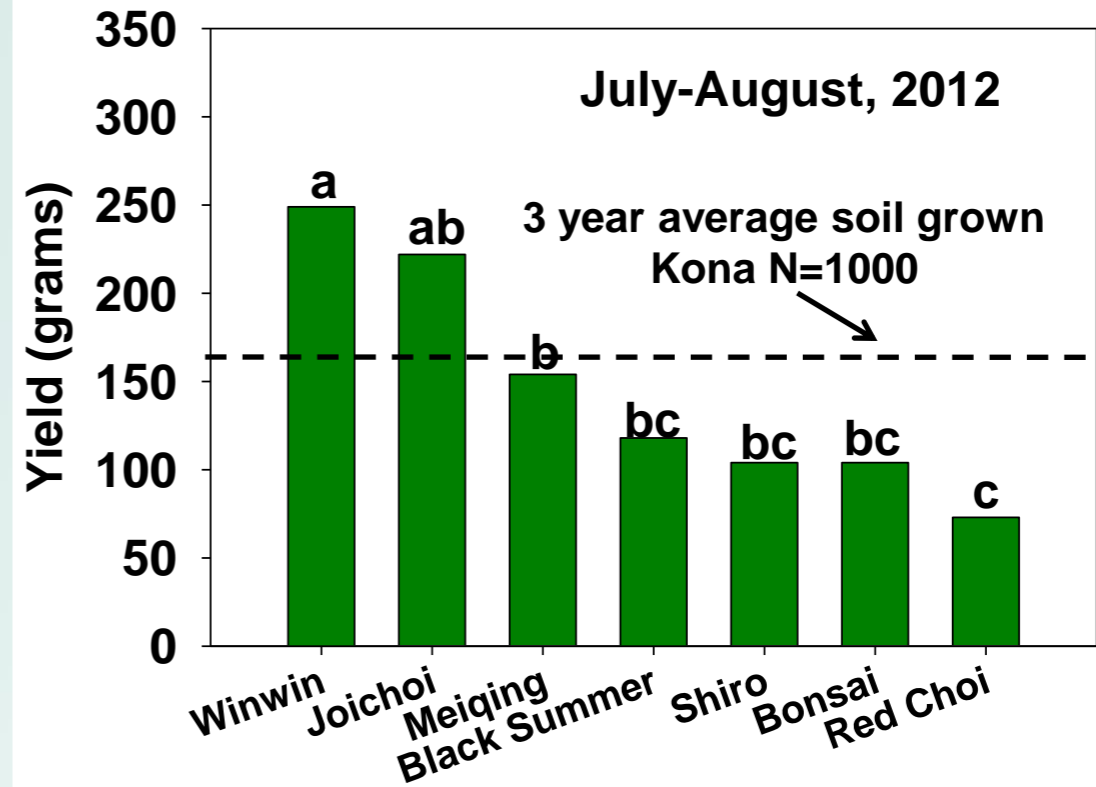


Pak Choi Yield



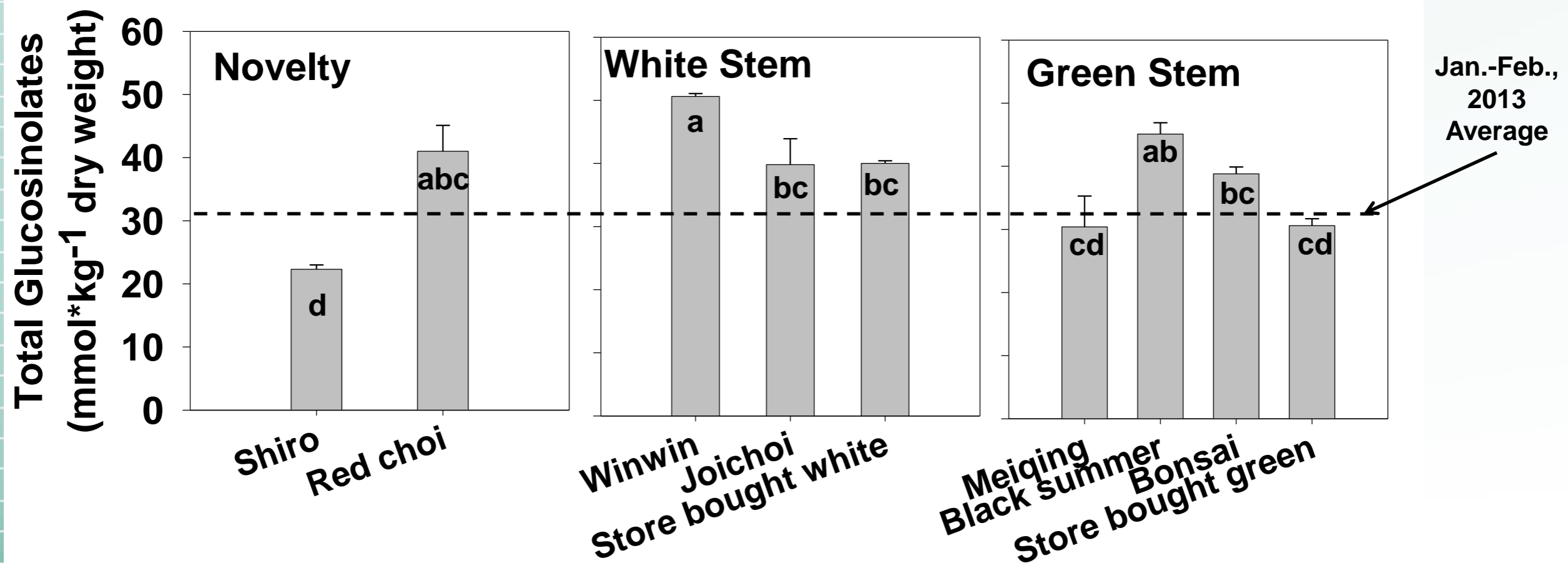
Yield

- 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



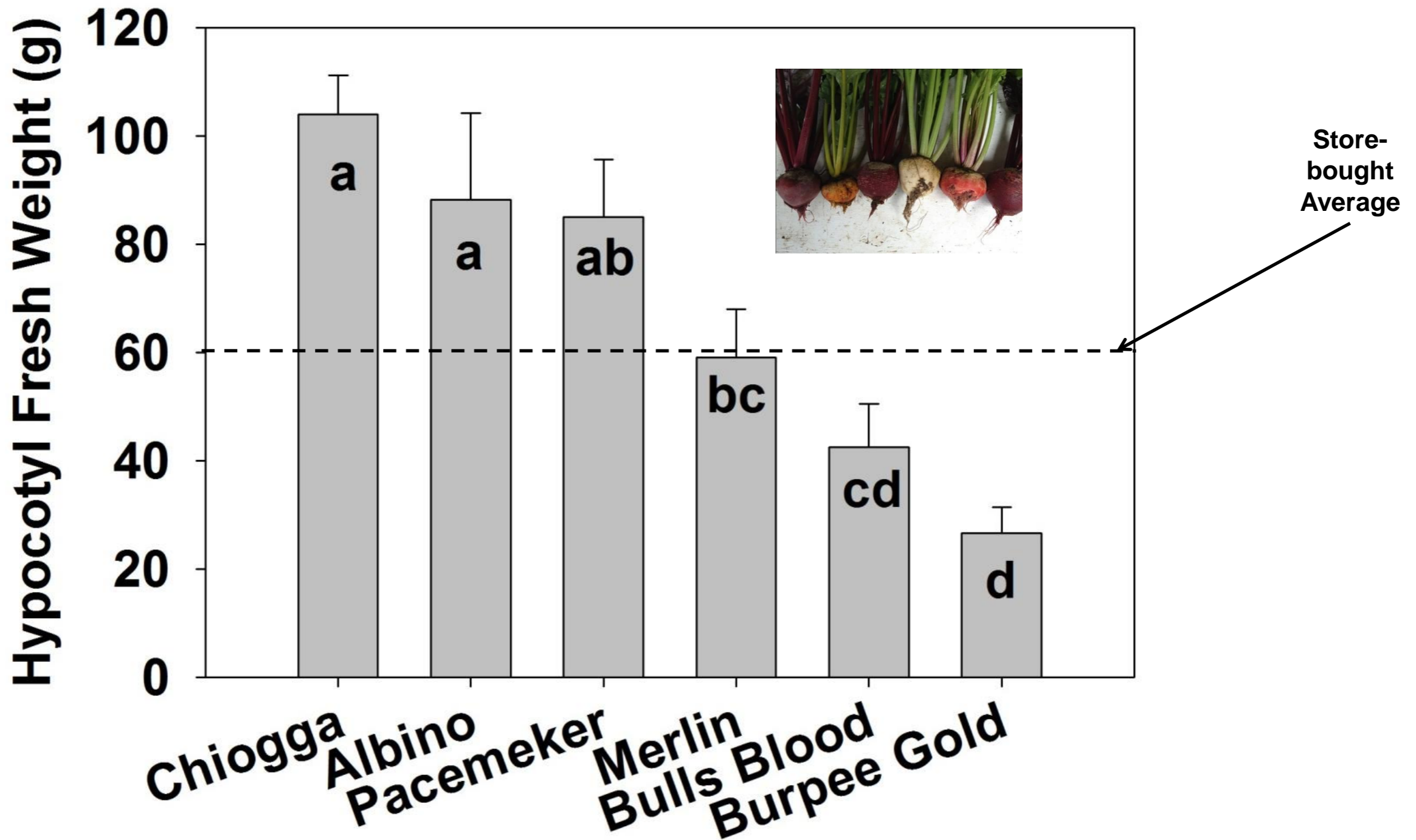
Total Phenolic content



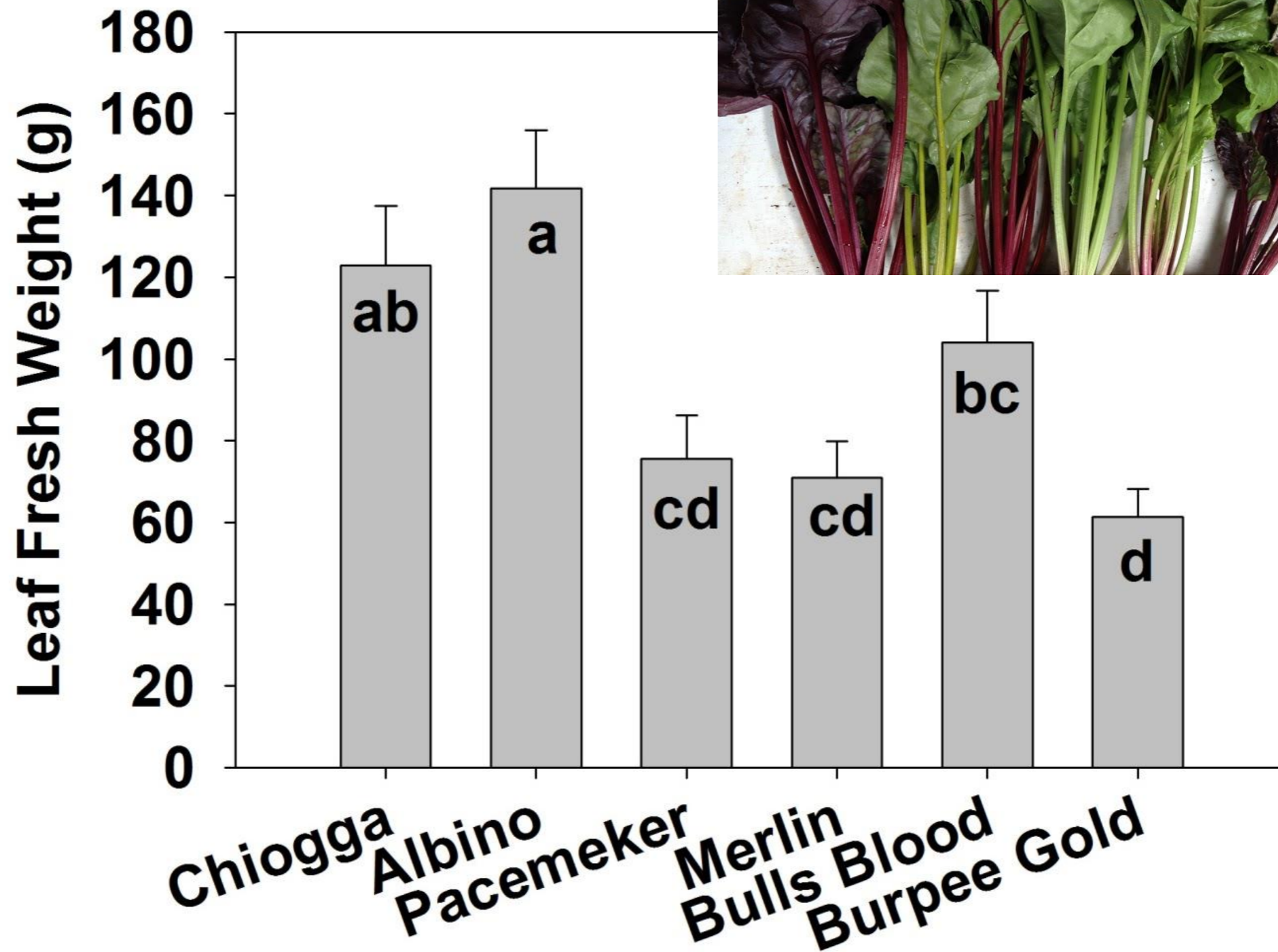
Beet Yield



Beet Root Yield Nov. 2012



Beet Leaf Yield Nov. 2012



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Mahalo!!



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