Southern Highbush Blueberry Trial Update

Kiki Fontenot, PhD





1

Southern Highbush VS. Rabbiteye Blueberry Shrubs

- Rabbiteye (Vaccinium ashei): Native to the SE US. Relatively tolerant of many diseases*** produce berries mid to late May – July. Prefer well drained acidic soils. Need supplemental water if conditions are extremely dry. But considered tolerant of droughts and less than ideal soil pH.
- Southern Highbush (Vaccinium corymbosum interspecific hybrid): Hybrids of the wild blueberries growing North America. Produce berries as early as Mid-February through June. Prefer well drained, acidic soils high in organic matter. Not very tolerant of disease or wet soils. Have very low chilling requirements and can stay evergreen in mild winters.

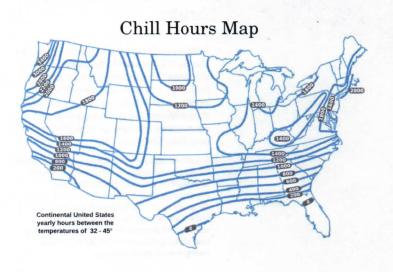


We Can Grow Both in Containers... Why One Over the Other?

- · Availability to Home Gardeners
- Drought but also flood tolerance?
 Seems to be better in Rabbiteye's
- SHB Prolonged harvest for home gardeners and potential for evergreen habitat is very intriguing to home gardeners.
- People Love the Bees! SHB earlier bloom



Why Are We Looking at Southern Highbush for South Louisiana Production?



- Southern Highbush blueberry plants require very little chill hours
 - 0-500 hrs.
- Chill Hr. = After dormancy has set in temps are <45F
- Southern High bush blueberries produce earlier than Rabiteye and have an extended harvest season
 - SHB our trials begin production in February/ March - June
 - Rabbiteye typical production ranges mid to late May - July



Cultivars in this Study



- Bianca Blue, Atlas Blue, Jupiter Blue = 0 chill hrs.
- Snowchaser = 100-200 chill hrs.
- · Endura, Arcadia = 150 chill hrs.
- · Kestrel, Jewel = 200 chill hrs.
- Star = 400-500 chill hrs.
- Ventura = 300-500 chill hrs.
- · University of Florida Releases

5

Planting Dates and Plant Source

- Planted in October 2018 from 38 count plugs (every variety except 'Snowchaser' which was in 1 liter pots)
- · Sourced from Fall Creek Farm & Nursery



38 Cell Liner



1 Liter Pot



Blueberry Nursery Stock Growers

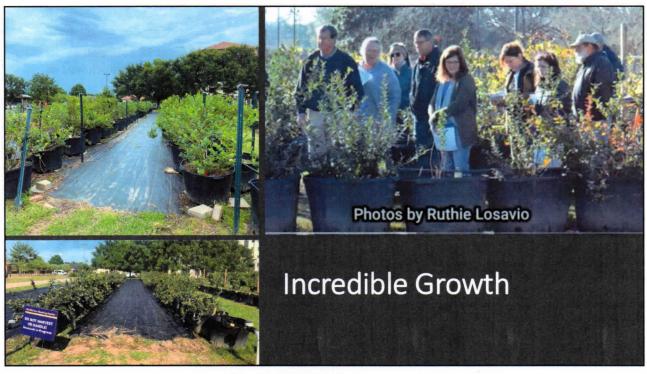
Media, Amendments & Irrigation

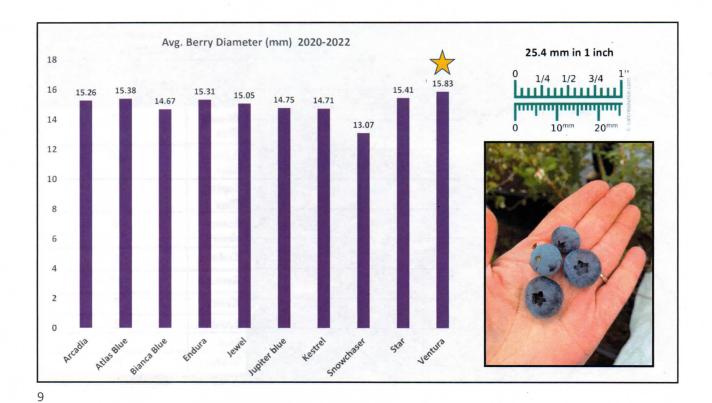
- Pure Pine Bark Phillips Bark
- Amended with Ironite & Nursery Special early spring and after harvest finishes.
- 2 spray nozzles per container
- · Containers are 45 gal.



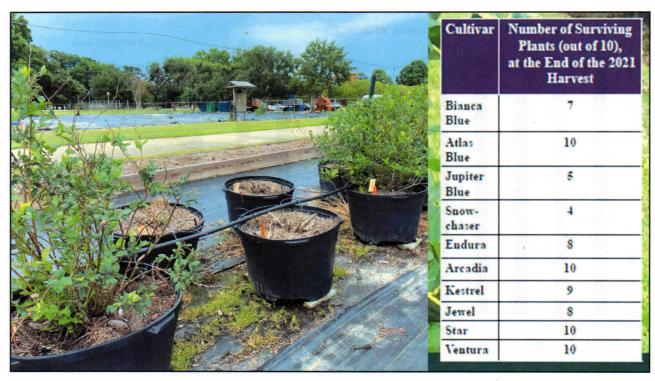


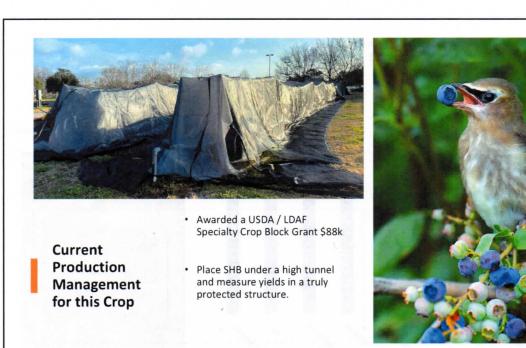
7

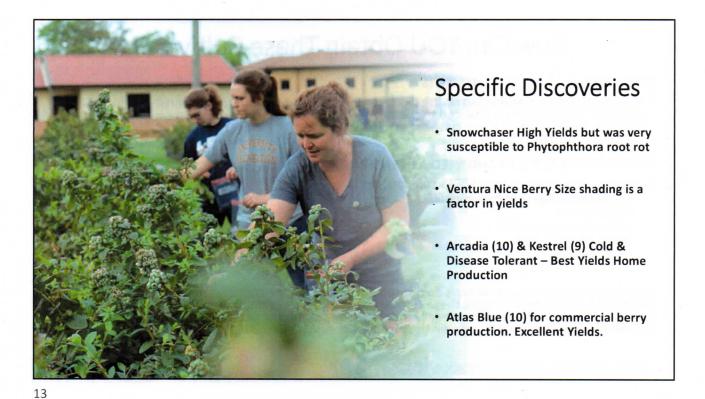


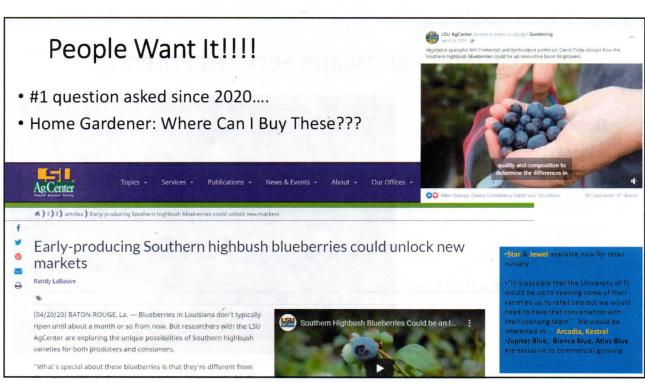


Total Weight (lbs.)/ Ten Shrubs Harvest 2020-2022 = Disease and Death 60.00 = Only for Berry Production 48.50 50.00 = Potentials for Home Production 40.00 37.55 32.07 31.98 30.00 20.87 20.00 10.00 0.00









How Can YOU Obtain These Cultivars?

PROPAGATION: LEGAL REQUIREMENTS

• The newer cultivars developed by the blueberry breeding program at the University of Florida are patented. This program is financed to a large extent by revenues from royalty payments on patented cultivars. Propagation of these cultivars requires a license.

DO YOU OWN A NURSERY AND NEED A LICENSE?

To inquire about licenses for UF/IFAS cultivars, contact:

Florida Foundation Seed Producers, Inc.

PO Box 110200

Gainesville, FL 32611-0200 Phone: (352) 273-3656 Email: jwatson@ffsp.net

Growers planting patented cultivars do not require a license if the plants were purchased from a nursery that holds a license to propagate these cultivars. Keep the documentation you receive from a licensed nursery indicating the plants were legally obtained. Propagation of patented cultivars without a license is a violation of the law, even if you own the plants from which the cuttings are taken.

https://edis.ifas.ufl.edu/publication/HS1245

15

Retail Outlet / Landscape Services Potential

Display

- Plants
- Pots
- Media
- Fertilizer
- Irrigation*
- Weather Protection Cloth



How Can YOU Obtain These Cultivars?

PROPAGATION: LEGAL REQUIREMENTS

• The newer cultivars developed by the blueberry breeding program at the University of Florida are patented. This program is financed to a large extent by revenues from royalty payments on patented cultivars. Propagation of these cultivars requires a license.

DO YOU OWN A NURSERY AND NEED A LICENSE?

To inquire about licenses for UF/IFAS cultivars, contact:

Florida Foundation Seed Producers, Inc.

PO Box 110200

Gainesville, FL 32611-0200 Phone: (352) 273-3656 Email: jwatson@ffsp.net

Growers planting patented cultivars do not require a license if the plants were purchased from a nursery that holds a license to propagate these cultivars. Keep the documentation you receive from a licensed nursery indicating the plants were legally obtained. Propagation of patented cultivars without a license is a violation of the law, even if you own the plants from which the cuttings are taken.

https://edis.ifas.ufl.edu/publication/HS1245

15

Retail Outlet / Landscape Services Potential

Display

- Plants
- Pots
- Media
- Fertilizer
- Irrigation*
- Weather Protection Cloth



Thank You!

Any Questions?

Funding for the project entitled "Intensive protected structure production and fruit quality evaluation of southern highbush blueberries and primocane blackberries and raspherries for development as high-value Louisiana fruit crops." was made possible by the U.S. Department of Agriculture's (USDA) Agricultural Marketing Service through grant 21SCBPLA1040-00. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the USDA.

