

New Muscadine Varieties



Dr. Patrick Conner – UGA Horticulture Dept.



UNIVERSITY OF
GEORGIA
College of Agricultural &
Environmental Sciences

Dr. Patrick Conner



Recent Muscadine Releases

University of Georgia

2011 - Lane

2013 - Hall

2016 - Paulk

2019 - RubyCrisp

Gardens Alive!

2015 - Razzmatazz

2019 – Oh My!

Florida A&M University

2008 – Majesty

2020 - Floriana

2020 – Florida Onyx

Ison's Nursery

2019 – Sweet Mix
(15-1-1)

Up and coming: University of Arkansas



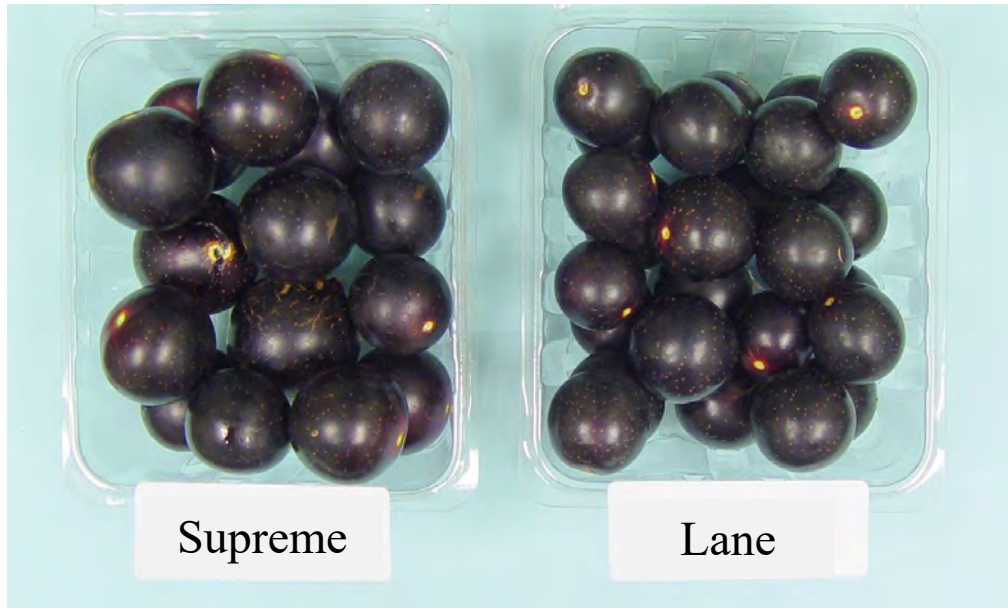
'Lane' Muscadine Attributes

Strengths:

- Self-fertile, early-harvest black.
- High brix and good flavor.
- Firm flesh and good storage potential.
- Hangs on vine a long time and gets better (sweeter).

Limitations:

- Size is only moderate (9 g).
- Berries can have wet scar, but don't leak.
- Only moderate vigor, vines need extra care.
- Only moderate yield potential.



'Lane' Muscadine Recommendation

'Lane' has moderate yields, low vigor, and can split at the stem scar. We currently recommend planting 'Lane' for early season black production only and transitioning into 'Supreme' and 'Paulk' for main season black production.

May want to try closer spacing and summer fertilizer.

Crop thin young vines.



'Hall' Muscadine Attributes

Strengths:

- Self-fertile, early-harvest bronze.
- Good vigor and productivity.
- Better brix and flavor than 'Tara'.
- Attractive color.
- Very good picking scar, low percentage of splits and tears.

Limitations:

- Size is only moderate (10 g).
- Susceptible to fruit rots like other bronze cultivars.



'Hall' Muscadine Recommendation

'Hall' is one of the best early season bronze cultivars. It has a beautiful color, but this bright color will show off any defects (rot). In southern locations fungicides will be required. Pick it when ripe and do not leave it on the vine to rot.



'Paulk' Muscadine Attributes

Strengths:

- Self-fertile, with very large berry size.
- Main-season self-fertile replacement for 'Supreme'.
- Acceptable storage ability.
- Excellent picking scar, much better than 'Supreme'.
- Less vine death than 'Supreme'.

Limitations:

- No early berries, you need to have an early black, 'Lane' or 'Supreme'.
- Doesn't hold on the vine as well as 'Supreme'.
- Not as firm and crisp as 'Supreme'.



'Paulk' Muscadine Recommendation

'Paulk' is a potential self-fertile replacement for 'Supreme' for mid to late season. I would plant and prune or thin crops as needed to maintain ideal fruit set. Keep enough 'Supreme' to pick over for early sales and perhaps to keep for longer term storage.

Crop thin young vines.

Flavor is a function of crop load.



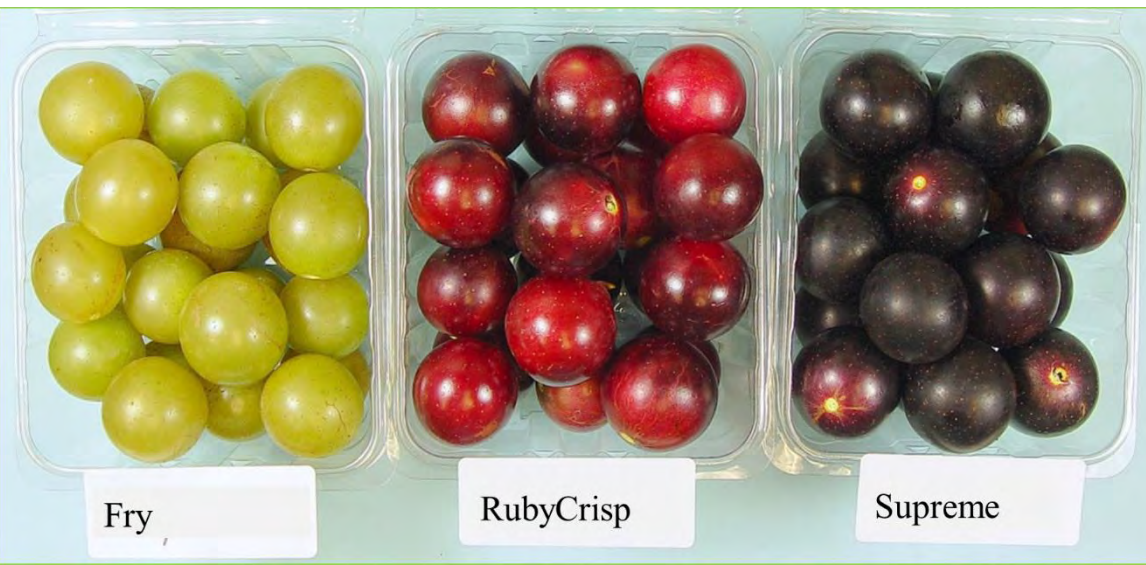
'RubyCrisp' Muscadine Attributes

Strengths:

- Self-fertile, large berry size.
- High brix and good flavor.
- Firm flesh and crisp skin.
- Beautiful ruby skin color.
- Heavy yields.

Limitations:

- Heavy yields.
- Mild muscadine flavor.
- **Can split/tear with picking.**



'RubyCrisp' Muscadine Recommendation

'RubyCrisp' has such a thin skin that tearing and splitting makes commercial harvest very tricky. We only recommend it for home garden and perhaps pick-your-own markets.

Crop thin young vines.



Majesty' Muscadine Attributes

Attributes:

- 'Supreme' x 'Triumph' cross.
- Female, fresh fruit variety.
- Healthy vine, very nice quality fruit.
- Very large fruit, larger than 'Supreme'.
- Available from Ison's Nursery.
- **Not likely productive enough for commercial use.**



'Sweet Mix' Muscadine Attributes

Attributes:

- Formerly '15-1-1'.
- Female.
- Very similar to 'Supreme', but better vigor.
- Mid to late season.
- No early fruit.
- Firm flesh.
- Good quality skin.
- Fairly new variety.



Image From: Ison's Nursery

'Florida Onyx' Muscadine Attributes

Attributes:

- 'Supreme' x 'Ison' cross.
- Female.
- Moderate vine growth, high yield (similar to other females tested).
- Very large berry size, similar to 'Majesty'.
- Only available through Florida A&M.



Image From: famunews.com

'Floriana' Muscadine Attributes

Attributes:

- 'Supreme' x 'Pineapple' cross.
- Self-fertile.
- Moderate vine growth, $\frac{1}{2}$ pruning weight of 'Noble', $\frac{1}{3}$ of 'Carlos'.
- Late harvest (Mid-Sept. in Tallahassee).
- Wines have better color stability than 'Noble'.
- Only available through Florida A&M.



'RazzMatazz' Muscadine Attributes

Attributes:

- Breeder-Jeff Bloodworth
- Available from Gardens Alive! and others.
- Stenospermocarpic seedless.
- Continuous fruiting.
- Self-fertile.
- Hard to train.
- Can be difficult to establish.
- Very small berries, cluster pick.
- Very different from most muscadines.
- **Expensive plants!**



Images from
gardensalive.com



'Oh My!' Muscadine Attributes

Attributes:

- Breeder-Jeff Bloodworth
- Available from Gardens Alive! and others.
- Stenospermocarpic seedless.
- Self-fertile.
- More like a traditional muscadine.
- Medium sized berries, 9-10 grams.
- Sweet, skin a bit sour.
- Yields have been light on young plants.
- **Expensive plants!**

Image from: gardensalive.com



NEW SELECTIONS

- Looking for:
 - Hermaphroditic, large bronze cultivars.
 - Late season (Sept.) cultivars with good flavor.
 - Improved vigor with crisp skin and firm flesh.
 - Bronze cultivars with superior disease resistance.



Ga. 10-1-329

Ga. 2-1-269



Thank you for your attention!

**Search for us under
“UGA muscadine breeding” in google and youtube.**



College of Agricultural &
Environmental Sciences
UNIVERSITY OF GEORGIA