

Blueberry Breeding Program Updates

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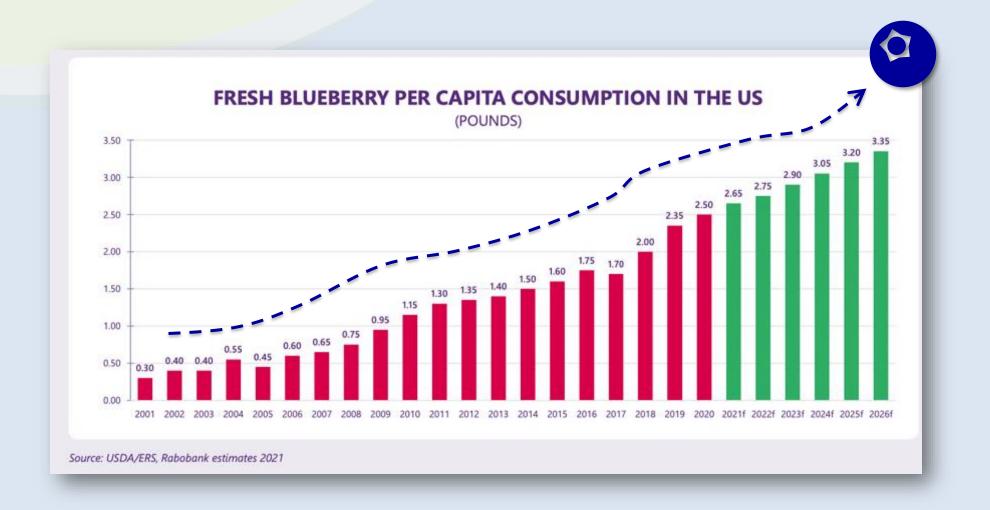
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US blueberry consumption growth

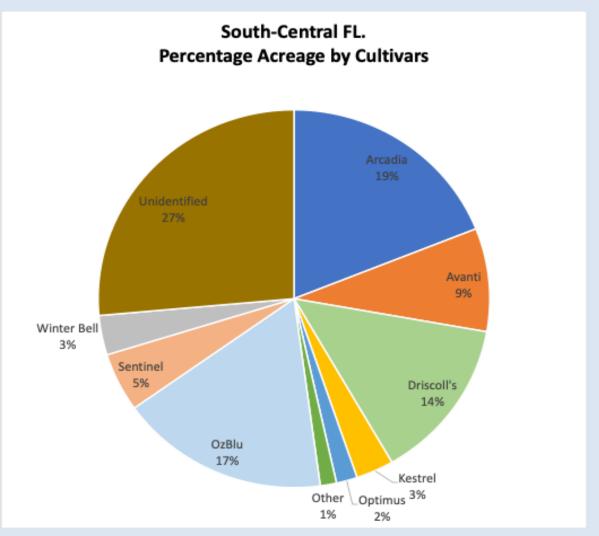


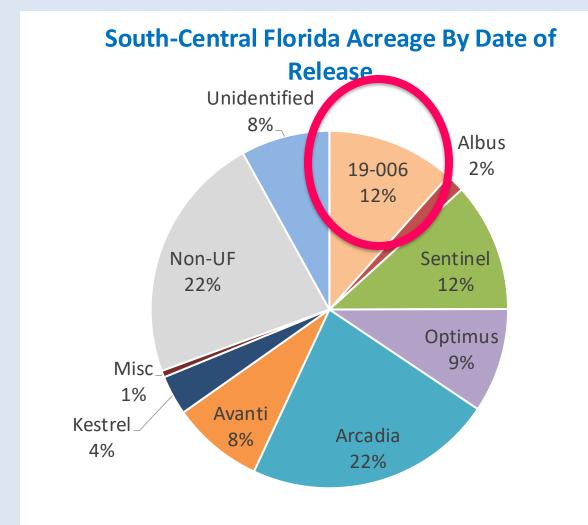


State of the cultivars in Florida



2024 2025





87% of Florida is planted with UF varieties 57% of FL blueberry area planted with varieties released within the last 10 years



UF Blueberry Breeding Program



Breeding + Extension

- I. Develop cultivars with superior traits "Local focus and global impact"
- 2. Support FL Stakeholder stay competitive

Research + Teaching

- 3. Research and implement advanced tools for breeding: faster, cheaper and more accurate
- 4. Training the next generation of breeders



Developing Cultivars with Superior Traits "Local Focus and Global Impact"





Falcon 'FL17-141' Yield Jumbo

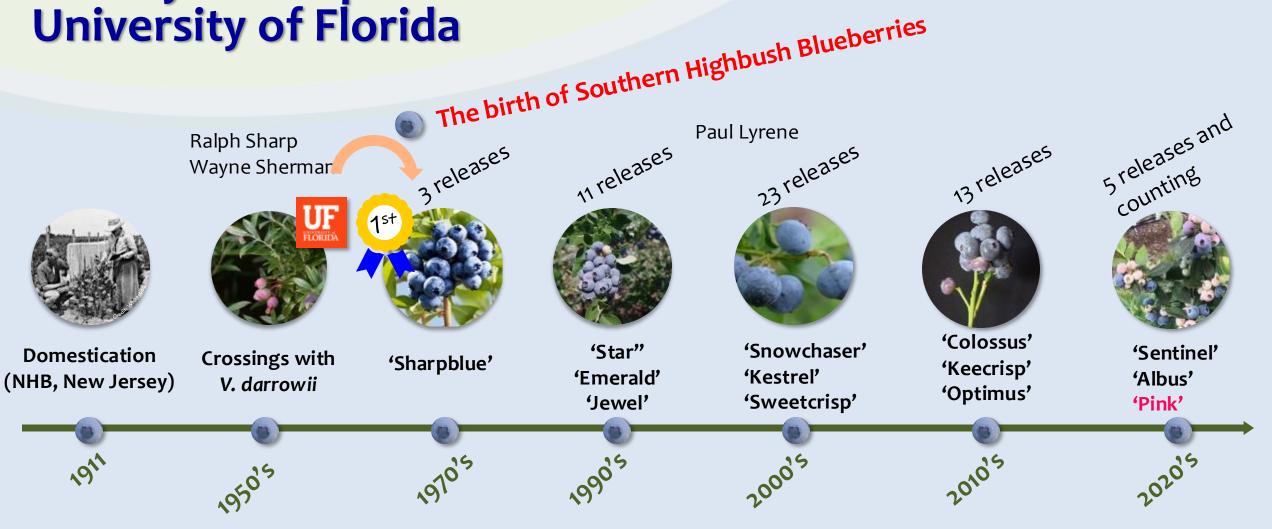


'FL19-006' Premium

Size ✓
Firm ✓
Yield ✓
Aroma ✓
Crunchy ✓



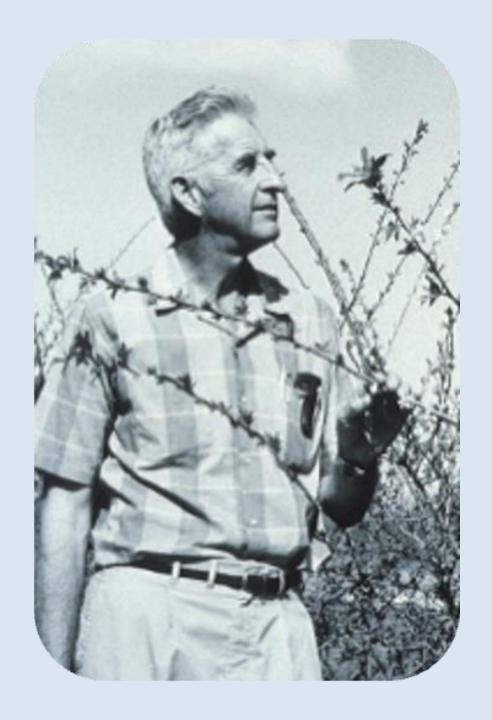
History and Impact of University of Florida





PLUS ~80 releases in collaboration or directly from our crosses





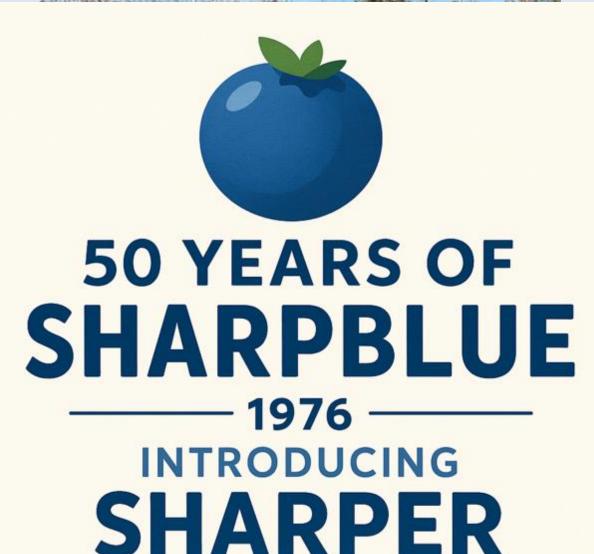
49 years ago, a new varietal type was born!!

Dr. Ralph Sharpe

2026 Celebrating

Innovation Vision Industry





IMPACT · VISION · INNOVATION

Sharper 'FL19-006'
Premium

Size √
Firm √
Yield √
Aroma √
Crunchy √



Varieties; constant and continuous change

South-Central Florida

Then	Now
Chickadee	FL19-006
Kestrel	Falcon
Avanti	Sentinel
Endura	Arcadia
Arcadia	Optimus
Emerald	Albus
Jewel	

North Florida

Then	Now
Farthing	Sentinel
Meadowlark	Optimus
Springhigh	Falcon
Emerald	Farthing
Jewel	Patrecia
Star	

What we have added: Yield, Size, Consistency, Firmness, Mechanical harvest, Flavor, etc.



Future

Disease resistant

Chilli thrips resistance

Ripening concentration

Varieties with differentiating traits



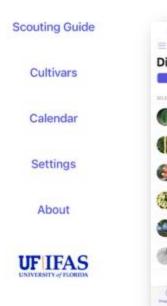
Support Stakeholder Maintain Competitiveness



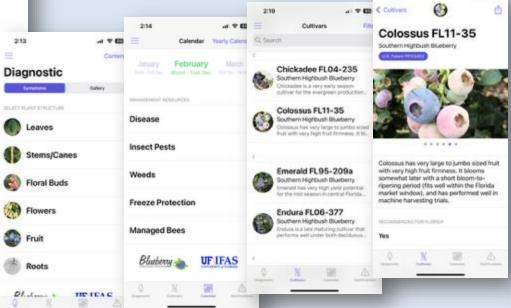
Outreach Tools

Phone App

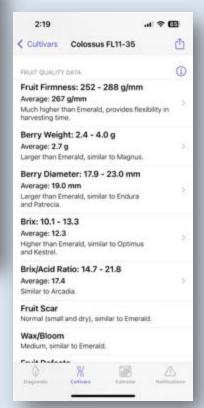




Contact



2:19









Extension

Point of contact for growers

Farm visits

End of the season survey

EDIS extension publications

Breeding program website

Monthly newsletter, blog and

management calendar

FBGA fall, spring, and summer meetings

Articles in specialty crop magazines

Member of the FBGA

Social media (~10,000)

Diego Cabezas, M.Sc.





Dough Phillips, M.Sc.



Research and Implementation of advance tools for breeding



Chilli Thrips Management

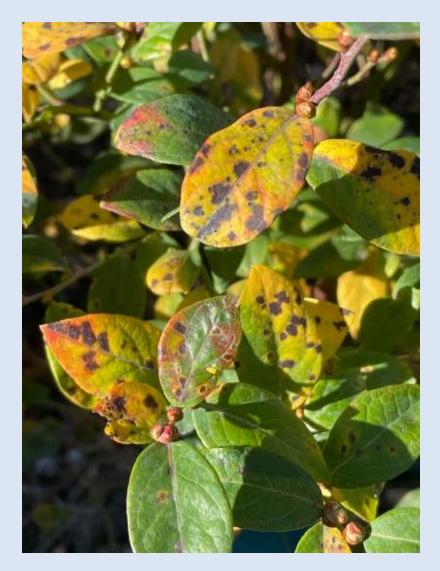
- Collect damage ratings on all trial selections, use this data to select genotypes to advance
- Share grower end of season survey data, grower feedback on controls, other data with UF entomologist
- Collaborate on publications





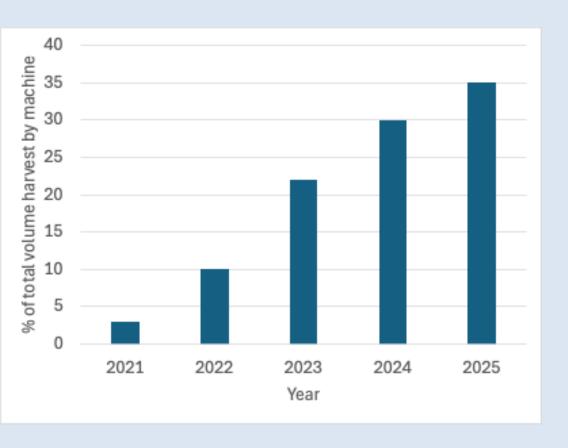
Rust Management in Evergreen System

- Collect damage ratings on all trial selections, use this data to select genotypes to advance
- Help fund research, identify potential resistance markers and traits
- Collaborate with UF pathologist on grower visits, publications
- Share grower end of season survey data, grower feedback on controls





Machine harvesting



Varieties
Technology
Management





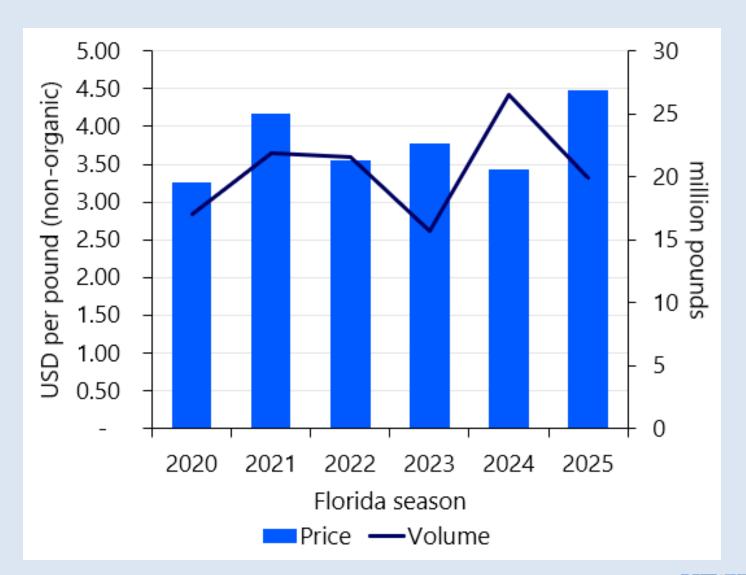
How do we compete?

High yield

High quality

Consistency

Lower cost











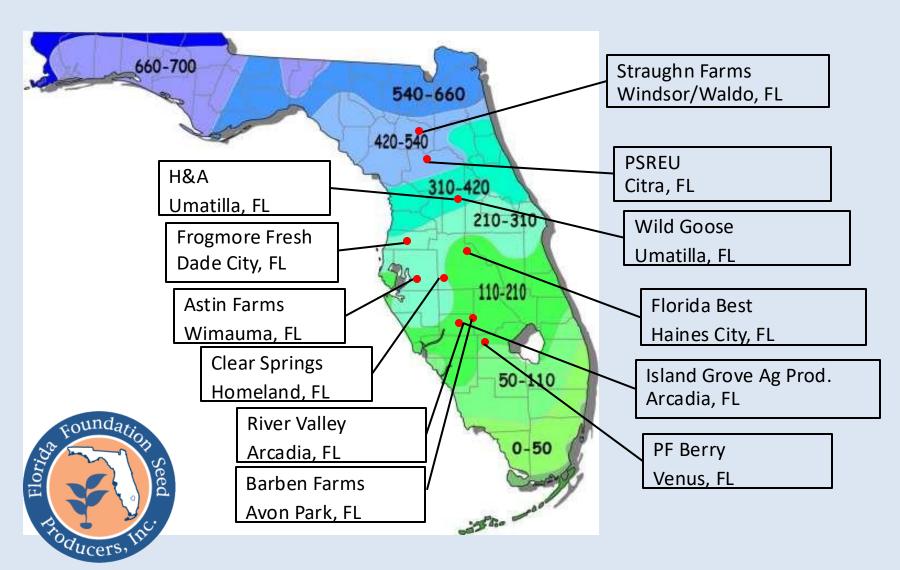
Thanks to our collaborators!!

UF/IFAS FFSP

Dr. Phill Harmon

Dr. Oscar Liburd

Dr. Gerardo Nunez







Thank you! Questions?

www.blueberrybreeding.com





