



**UF | IFAS**  
UNIVERSITY of FLORIDA



# 2021 End of Season Data Summary

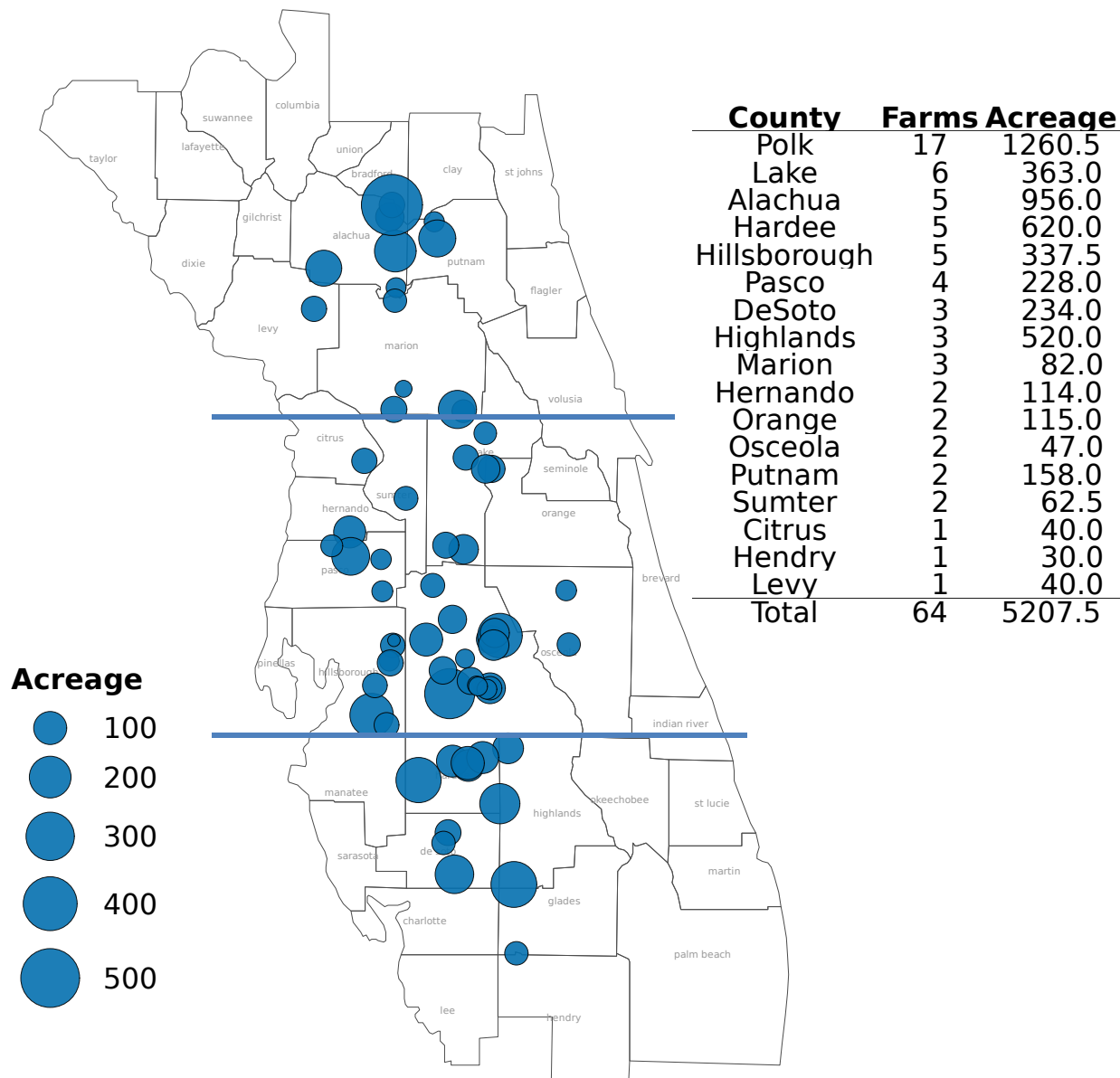
## FBGA Fall Meeting

Doug Phillips

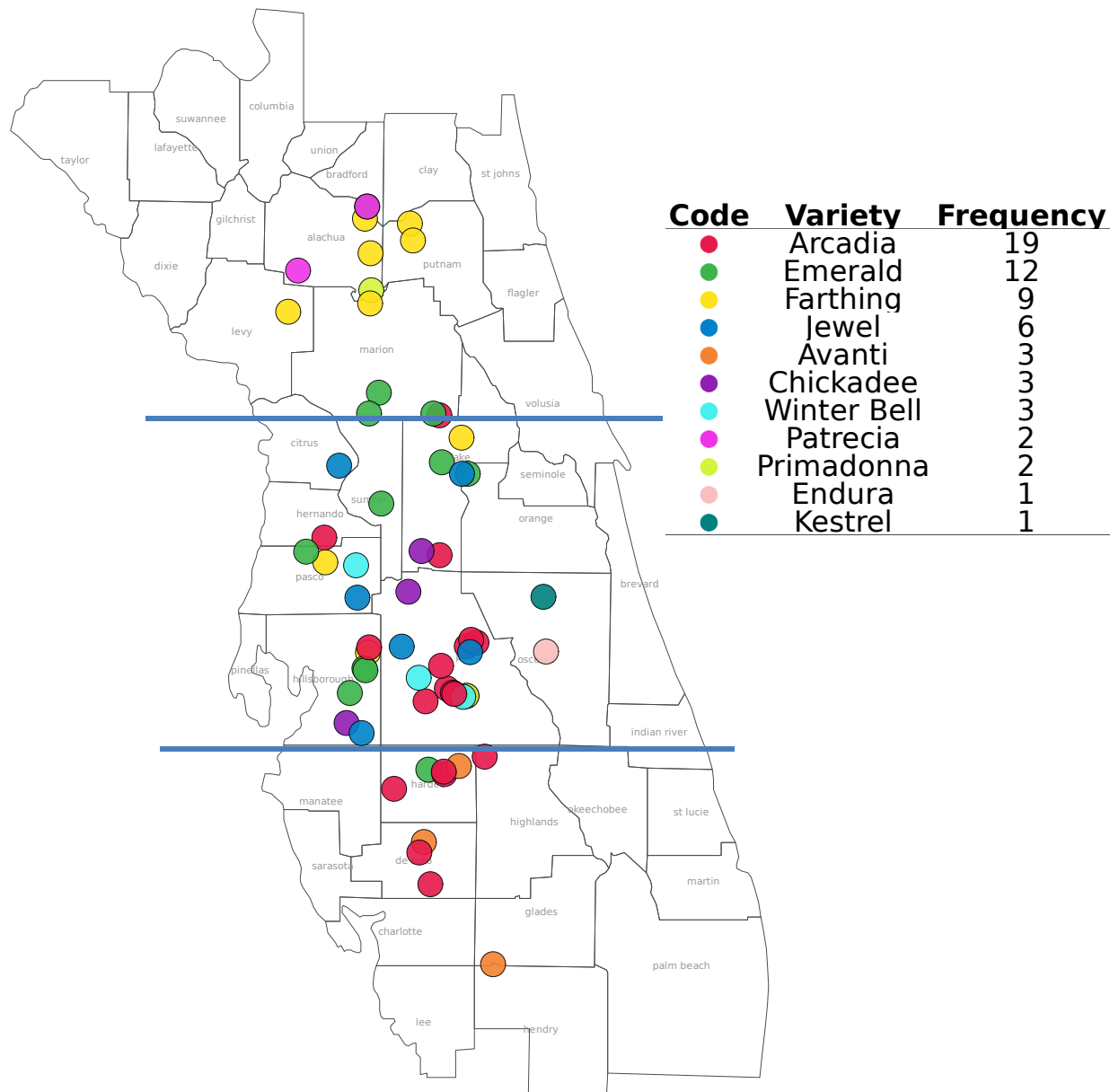
UF/IFAS Blueberry Extension Coordinator

October 14, 2021

# Florida Blueberry Farms Surveyed 2021 Season



# Highest Yielding Varieties Reported by Growers



# Highest Yielding Reported by Region

## North-Central

Variety	# Farms Present out of 11	Highest Yielding
Farthing	10 (91%)	<b>60%</b>
Emerald	4 (36%)	<b>50%</b>
Patrecia	3 (27%)	<b>67%</b>
Primadonna	3 (27%)	<b>33%</b>

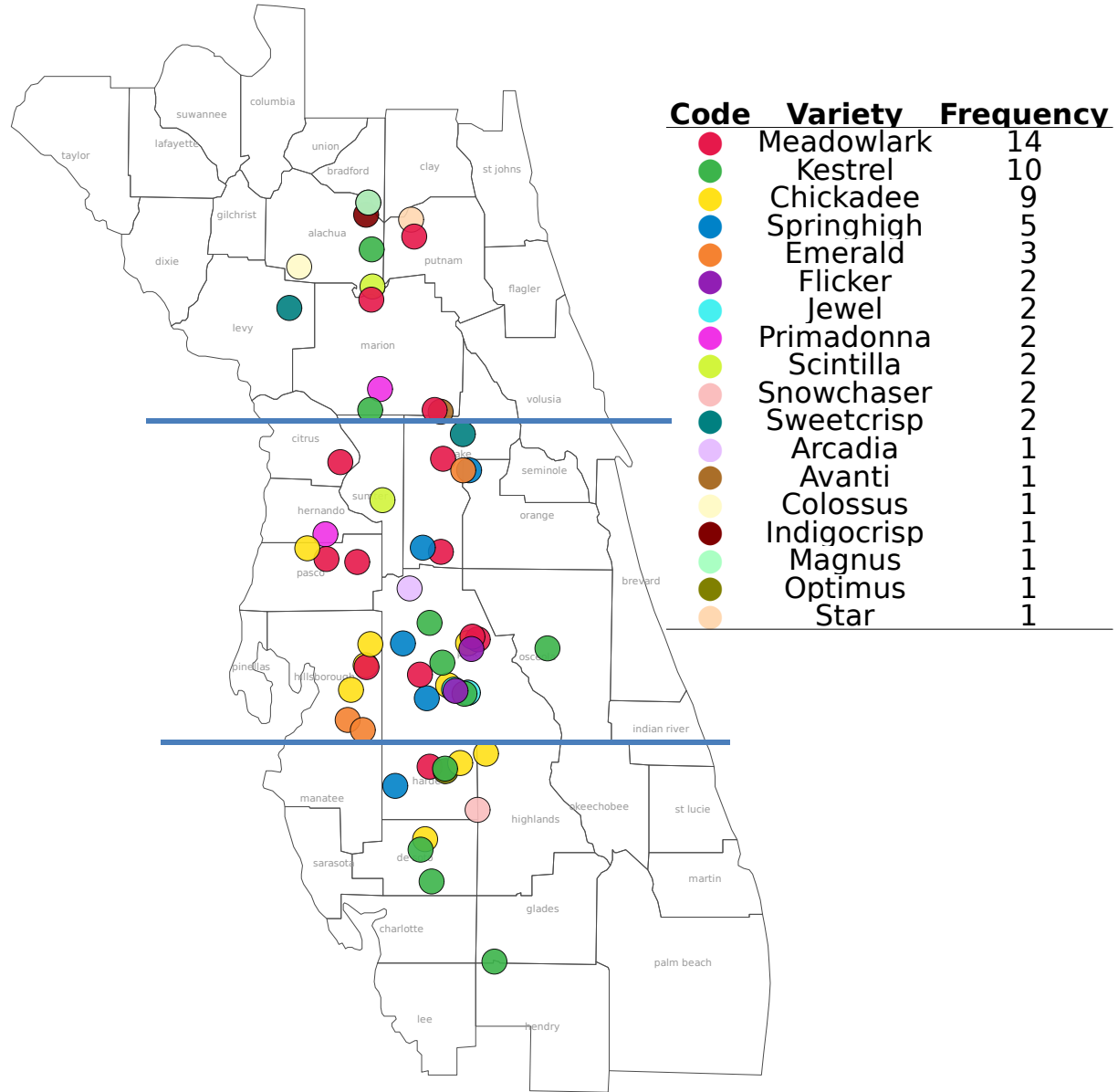
## Central

Variety	# Farms Present out of 41	Highest Yielding
Arcadia	32 (78%)	<b>41%</b>
Emerald	32 (78%)	<b>28%</b>
Jewel	27 (66%)	<b>22%</b>
Winter Bell	15 (37%)	<b>20%</b>
Chickadee	12 (29%)	<b>25%</b>
Farthing	10 (24%)	<b>30%</b>

## South-Central

Variety	# Farms Present out of 12	Highest Yielding
Arcadia	11 (92%)	<b>55%</b>
Avanti	7 (58%)	<b>43%</b>
Emerald	5 (42%)	<b>20%</b>

# Lowest Yielding Varieties Reported by Growers



# Lowest Yielding by Region

## North-Central

Variety	# Farms Present out of 11	Lowest Yielding
Meadowlark	5 (45%)	<b>40%</b>
Sweetcrisp	4 (36%)	<b>25%</b>
Kestrel	3 (27%)	<b>67%</b>
Colossus	3 (27%)	<b>33%</b>
Star	3 (27%)	<b>33%</b>
Indigocrisp	3 (27%)	<b>33%</b>

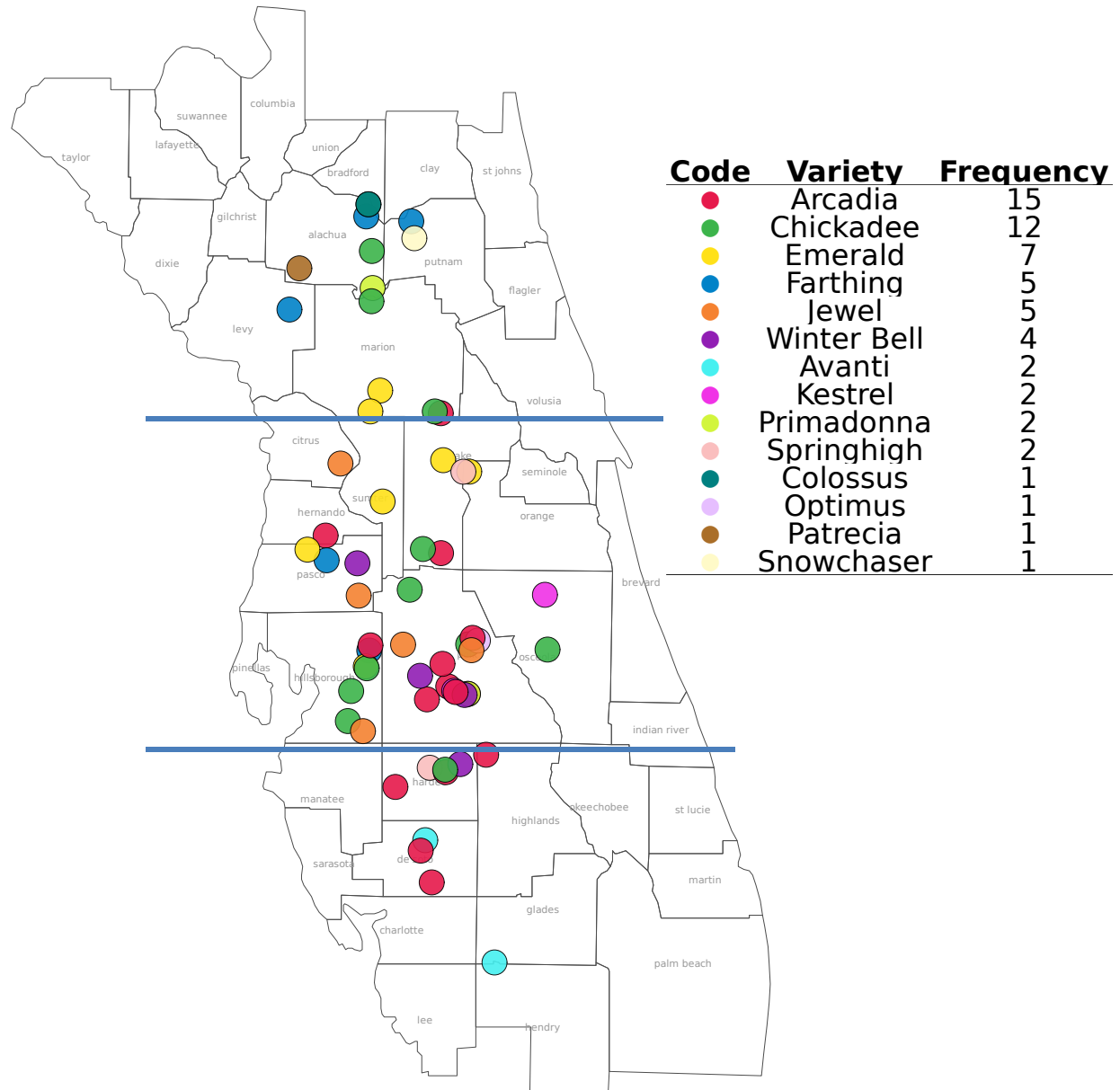
## Central

Variety	# Farms Present out of 41	Lowest Yielding
Meadowlark	19 (46%)	<b>58%</b>
Kestrel	11 (27%)	<b>36%</b>
Chickadee	9 (22%)	<b>67%</b>
Primadonna	7 (17%)	<b>14%</b>
Springhigh	4 (10%)	<b>100%</b>
Scintilla	2 (5%)	<b>50%</b>
Flicker	2 (5%)	<b>100%</b>

## South-Central

Variety	# Farms Present out of 12	Lowest Yielding
Kestrel	9 (75%)	<b>44%</b>
Chickadee	4 (33%)	<b>75%</b>
Meadowlark	1 ( 8%)	<b>100%</b>
Springhigh	1 ( 8%)	<b>100%</b>

# Most Profitable Varieties Reported by Growers



# Most Profitable by Region

## North-Central

Variety	# Farms Present out of 11	Most Profitable
Farthing	10 (91%)	<b>33%</b>
Emerald	4 (36%)	<b>50%</b>
Chickadee	3 (27%)	<b>67%</b>
Patrecia	3 (27%)	<b>33%</b>

## Central

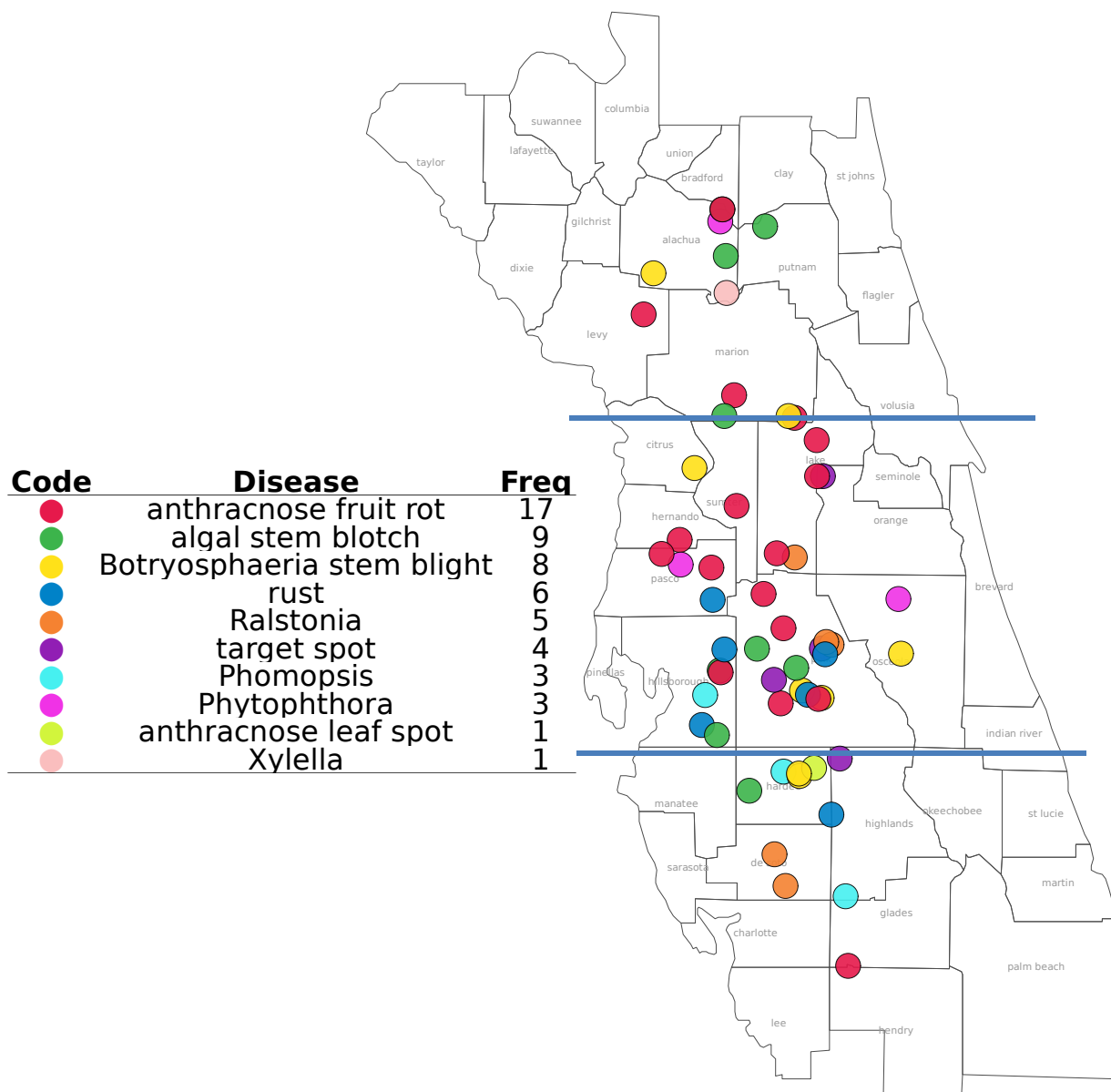
Variety	# Farms Present out of 41	Most Profitable
Arcadia	32 (78%)	<b>31%</b>
Emerald	32 (78%)	<b>16%</b>
Jewel	27 (66%)	<b>19%</b>
Winter Bell	15 (37%)	<b>20%</b>
Kestrel	11 (27%)	<b>18%</b>
Farthing	10 (24%)	<b>20%</b>

## South-Central

Variety	# Farms Present out of 12	Most Profitable
Arcadia	11 (92%)	<b>45%</b>
Avanti	7 (58%)	<b>17%</b>
Chickadee	4 (33%)	<b>33%</b>
Winter Bell	4 (33%)	<b>25%</b>



# Most Problematic Diseases Reported by Growers



# Significant Diseases by Region

North-Central

Disease	Freq	% Farms Surveyed
Anthrax Fruit Rot	3	27%
Algal Stem Blotch	3	27%
Phytophthora	1	9%
Xylella	1	9%

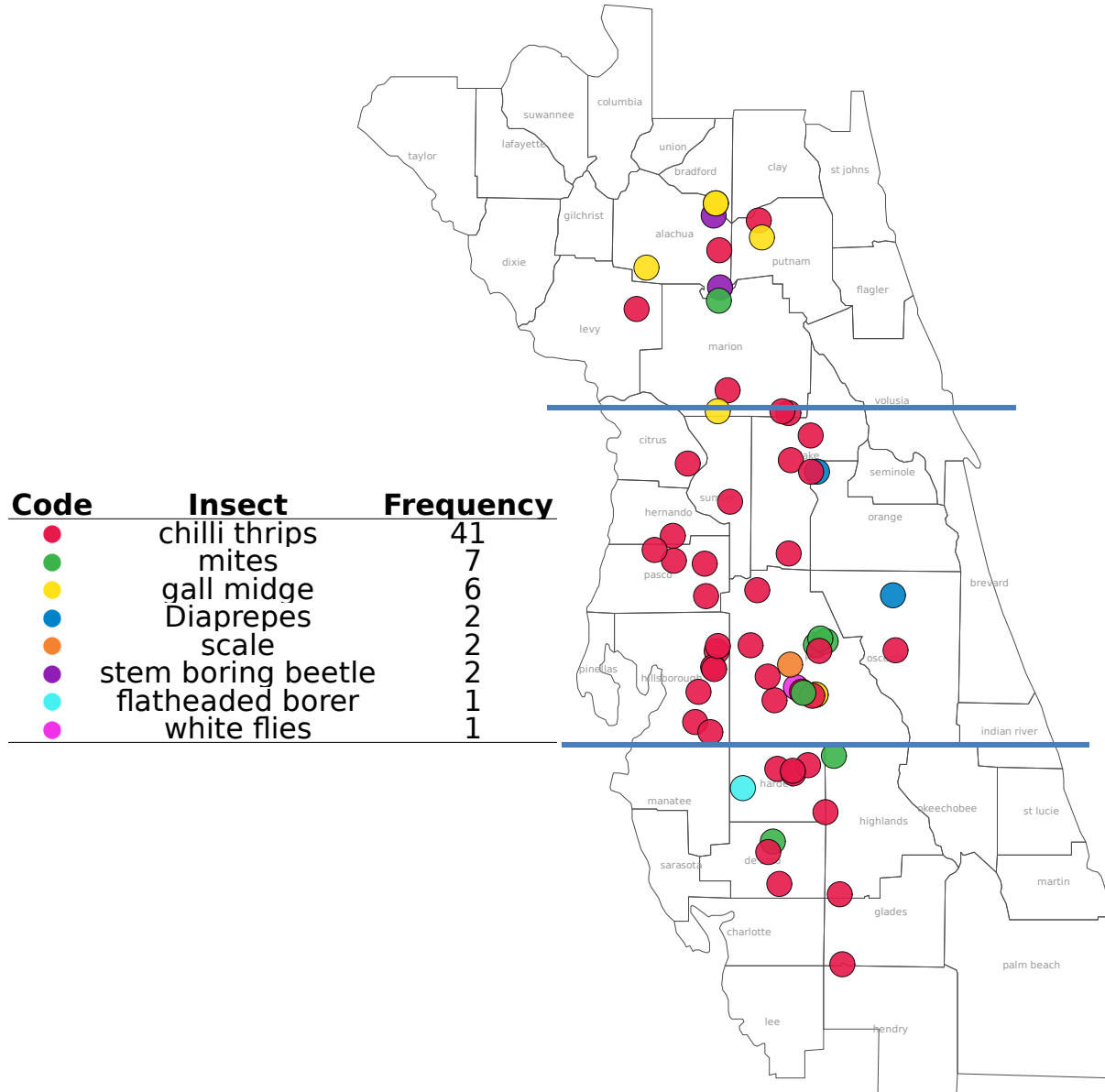
Central

Disease	Freq	% Farms Surveyed
Anthrax Fruit Rot	13	32%
Algal Stem Blotch	5	12%
Rust	5	12%
Bot. Stem Blight	5	12%
Target Spot	3	7%
Ralstonia	3	7%
Phytophthora	2	5%

South-Central

Disease	Freq	% Farms Surveyed
Anthrax Fruit Rot	2	17%
Phomopsis	2	17%
Bot. Stem Blight	2	17%
Ralstonia	2	17%
Algal Stem Blotch	1	8%
Rust	1	8%
Target Spot	1	8%

# Most Problematic Insect Pests Reported by Growers



# Significant Insect Pests by Region

## North-Central

Pests	Freq	% Farms Surveyed
Gall Midge	4	36%
Chilli Thrips	4	36%
Stem Boring Beetle	2	18%
Mites	1	9%

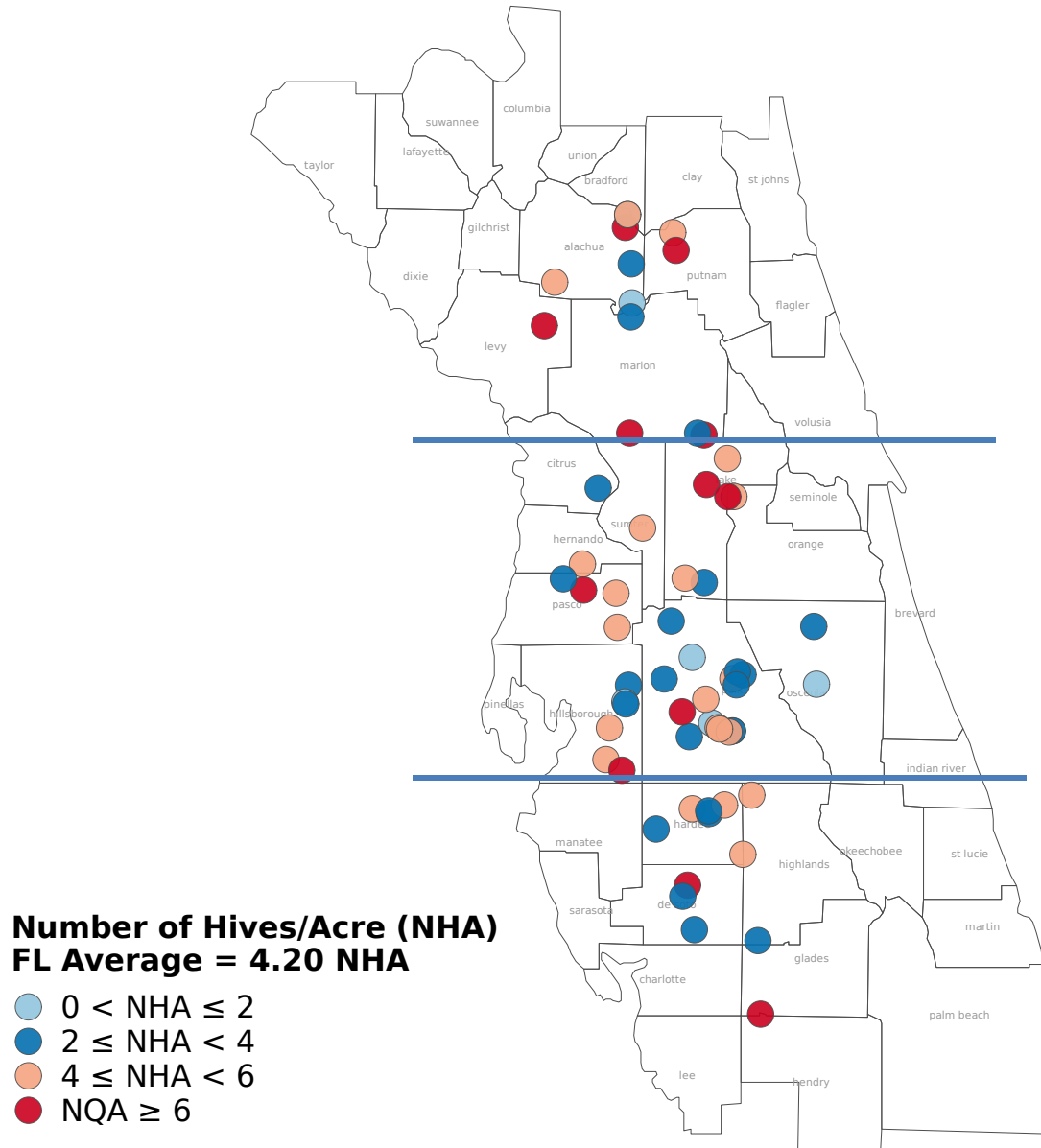
## Central

Pests	Freq	% Farms Surveyed
Chilli Thrips	28	68%
Mites	4	10%
Diaprepes	2	5%
Gall Midge	2	5%
Wax Scale	2	5%

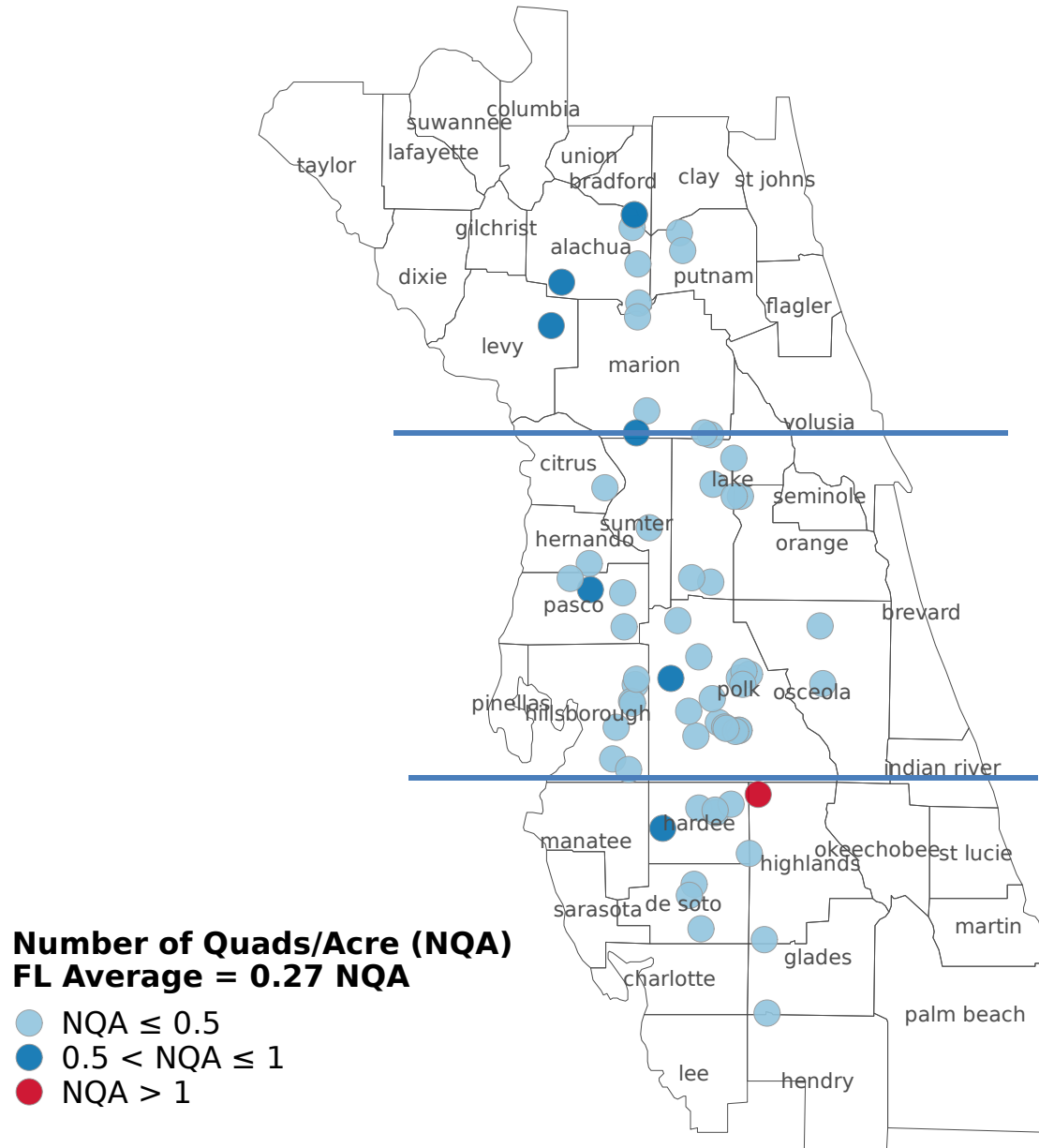
## South-Central

Pests	Freq	% Farms Surveyed
Chilli Thrips	9	75%
Mites	2	17%
Flatheaded Borer	1	8%

# Honey Bee Hives per Acre Reported by Growers



# Bumble Bee Quads per Acre Reported by Growers



# 2021 – 2020 Comparison

	2021 (64 Farms)	2020 (53 Farms)
<b>Highest Yield</b>		
• North	Farthing, Emerald	Emerald
• Central	Arcadia	Arcadia, Emerald
• South	Arcadia	Arcadia
<b>Lowest Yield</b>		
• North	Meadowlark	Meadowlark
• Central	Meadowlark	Meadowlark
• South	Kestrel	Jewel, Endura
<b>Most Profitable</b>		
• North	Chickadee, Emerald	Chickadee, Emerald
• Central	Arcadia	Emerald, Chickadee
• South	Arcadia	Avanti

# 2021 – 2020 Comparison

	<b>2021</b> (64 Farms)	<b>2020</b> (53 Farms)
Diseases	Anthracnose Fruit Rot	Algal Stem Blotch
Insect Pests	Chilli Thrips	Chilli Thrips



# Notable Items

- Total farms surveyed increased from 53 in 2020 to 64 in 2021
- Surveyed acreage increased from 88% of Florida acreage in 2020 to 94% in 2021
- Honey bee hive density decreased from 5 to 4 hives per acre
- Higher reported incidence of anthracnose fruit rot for second year in a row
- Pollination issues, possibly weather related, reported by some growers

# UF Blueberry Breeding Website

2021 season data maps will be available on the UF blueberry breeding website –

[www.blueberrybreeding.com/blog](http://www.blueberrybreeding.com/blog)

You can also access –

- information and data on UF blueberry cultivars
- all UF EDIS blueberry extension publications

# Acknowledgements

- Participating blueberry growers
- Rodrigo Amadeu – map development
- UF Blueberry Breeding Program for funding all of this research





# Questions?

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