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- Jude Grosser
- Bill Castle
- Paul Ling
- Eric Whaley
- Margie Wendell
- Misty Holt
- Gary Barthe
- Mark Ritenour (IRREC)
- Cuifeng Hu (IRREC)
- ...and a host of others (researchers, growers, packers)!

UF-CREC Citrus Breeding



- Rootstocks
- Acid Fruit
- Sweet Oranges
- Mandarins
- Grapefruit/pummelo

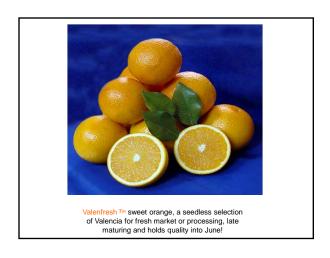
UF-CREC Citrus Breeding



- Commercialization of new cultivars released for fresh citrus industry
- Evaluation of selections showing potential value
- Selection of superior candidates from within existing families
- <u>Creation</u> of new families using elite parents unique to the program
- <u>Development</u> of parents targeted to seedlessness and fruit quality
- <u>Understanding</u> the business, the marketplace, and the genetics of critical traits

Our Objectives







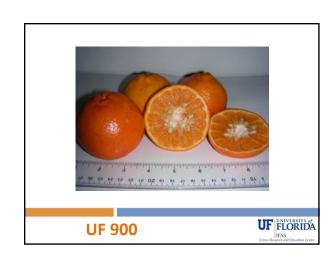


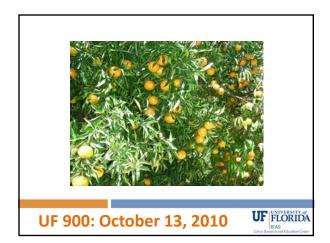
	Sample							
Base: Adults	486 (Dancy) (n=101) %	411 (n=34**) %	S Belle	392 (New) (n=101)	254 (Minneola) (n=101) %	109 (Clementine) (n=101) %		
If this tangerine was available in	your grocery s	tore, how likel	y are you to bu	/ it?				
Extremely likely	19	38	25	20	21	19		
Very likely	31	29	31	29	21	22		
Somewhat likely	26	18	28	28	33	33		
Not very likely	14	6	9	9	18	13		
Not at all likely	8	6	7	14	6	13		
Don't know	3	3	1	1	2	1		
Which one statement best descr	ibes how you r	might use this I	new variety of t	angerine in you	r household?			
Would totally replace other orange varieties you buy	10	27	16	12	13	12		
Would sometimes replace other orange varieties you buy	29	24	31	25	31	28		
Would be use in addition to other orange varieties you buy	40	29	41	43	37	34		
Be something that you would not buy at all	22	21	13	21	20	27		

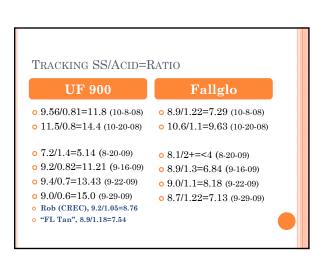
- 900: September maturity; November quality
- Seedless Snack: Seedless mandarin, early season
- <u>950</u>: Seedless, easy to peel, excellent color/flavor; "Florida Clementine"
- <u>411</u>: AKA "Heather", large, easy to peel, attractive, excellent flavor

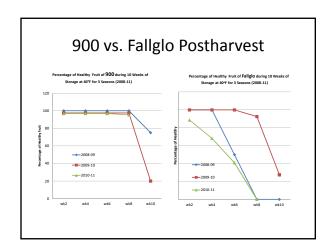
NEW UF-IFAS Mandarins

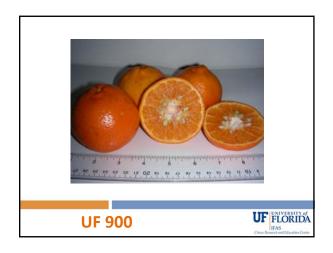


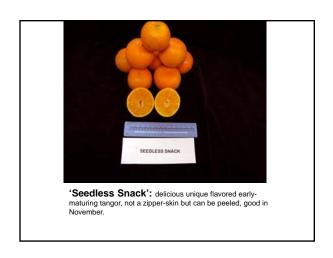


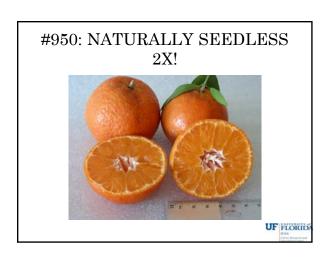






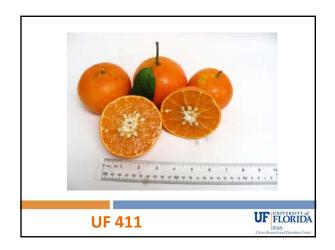












UF 411: High Brix!

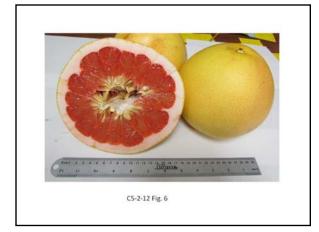
Selections	Date	Brix	TSS/TA
411		17.40	19.65
711	1/28/09	13.00	13.67
Super Dancy		13.60	13.77
411	3/10/11	16.90	11.83

Summary Impressions of Tangerines

Base: Adults	Sample						
	486 (Dancy) (n=101) %	411 (n=34**) %	S Belle (n=101)	392 (New) (n=101) %	254 (Minneola) (n=101) %	109 (Clementine) (n=101) %	
If this tangerine was available in	your grocery	store, how likel	y are you to buy	/ it?			
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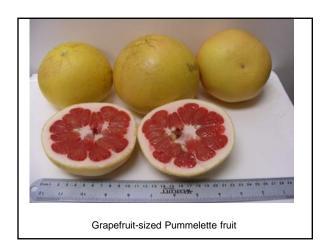


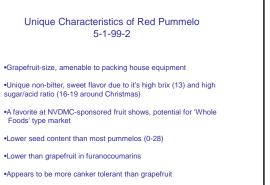
Red Pummelo 5-1-99-5
-thin rind, good color and flavor with a hint of grapefruit bitterness.



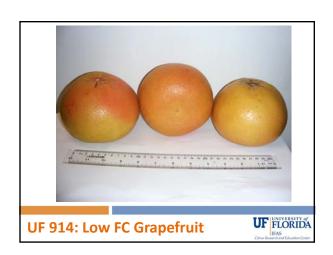
Unique Characteristics of Red Pummelo C2-5-12

- •Typical pummelo size, too large for packing house equipment
- •Early maturing, ready for Thanksgiving and Christmas market with a pleasant, sweet flavor due to it's high brix (11) and high sugar/acid ratio (12-13)
- •Comparable to grapefruit in furanocoumarins (an alternative to red pummelo 5-1-99-5 that has very high furanocoumarins)
- •Holds well on the tree, extending the period of harvest
- •Canker tolerance unknown at present





•Delicious juice that does not increase in bitterness during storage





• 914: Brix 9.9; acid 0.99; ratio 10.0 (2/12)
• Ruby Red: Brix 9.2; acid 1.21; ratio 7.6 (2/12)

• Paradisin C, R Red vs. 914: 8.6 mg/l vs. none detected
• 6,7-DHB, Ruby Red vs. 914: 18.5 vs. 1.5 mg/l
• Bergamottin, R Red vs. 914: 15.6 vs. 0.7 mg/l

• Seedless; attractive red blush and flesh color
• Large grapefruit size (500 to 1000g)
• Juicy, sweet and grapefruit like flavor and aroma!

UF 914: Low FC Grapefruit

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