Other New Introduced Cultivars

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Website: https://citrusvariety.ucr.edu/

Thanks to David Karp, Toni Siebert and Karene Trunnelle for the amazing photographs.
The Plan

• Today focus on introductions not results of breeding program
• Either already available at CCPP, soon to have CCPP VI or in the process.
  – Process of release from quarantine and VI assigned then propagation of trees for budwood
• If interested breeding program hybrids, attend UCR Citrus Day.
Superna VI 501

- Sometimes development & naming follows a circuitous route.
- Referred to as either Lee x Nova, Supernova or USDA 88-2.
- Created by Jack Hearn (USDA, FL) in 1966. Low production in FL but believed US Superna “best tasting” citrus of career.
- Also believed this seedless selection might have commercial value in CA so sent to CCPP in 1988.
- USDA announced official name and release June 2019 completing this journey.
US Superna VI 501

- Evaluations conducted as part of our (Kahn and Siebert) CRB-funded research from 1996-2002
- See table in handout of comparison with Fina Sodea fruit on Carrizo and C35 from Lindcove. More data at our website in evaluation data for USDA 88-2
- Fruit had slightly higher Brix yet similar acidity in late-Oct./early-Nov.
- By mid-Dec. fruit had higher Brix and slightly lower acidity than Fina Sodea, with larger fruit and better rind color.
- Although under heavy cross-pollination, less than 1 seed/fruit; Fina Sodea 3.7 to 12/fruit.
US Superna VI 501

- Supernova name (not trademarked), coined by LoBue Bros. first planted US Superna in 2010 on Rich 16-6 and Pomeroy.
- Robert described fruit as seedless, with dark orange color, and great fragrance and flavor.
- Medium producer compared to Tango.
- Some alternate bearing, a large “June drop” and size typically 113 navel orange size.
- Can harvest warm but need chilling while packing. Trees respond best grown on good soil with minimal stress.
- Harvest from mid-Dec. at Lindsey, when rind orange since sweating is not effective.

For budwood currently listed as USDA 88-2, VI 501) visit CCPP: [http://www.ccpp.ucr.edu](http://www.ccpp.ucr.edu) for more information.
Shahani Red Navel

- Multi-year journey started with UCR extension course
- Frank Shahani donated selection to UCR
- Carrizo and Citrange rootstocks
- Amazing color, flavor, small navel. Showed fruit at UCR Citrus Day 2018
- Entered into most recent VI index at CCPP. If all tests negative, projected quarantine release July 2020.
- More information and data listed at https://citrusvariety.ucr.edu/citrus/shahani.html
Shahani Red Navel

- Evaluations from Riverside over 5 years.
- Shahani slightly higher Brix than either Moro or Sanguinelli at each of sample dates.
- Acidity highest for Sanguinelli, with Moro intermediate for all but April date. Shahani lowest acidity for all dates.
- Brix acid ratio reflects both early high acidity of Sanguinelli and the consistently high SSC of Shahani.
- Avg. fruit wt. consistently heavier than that of Moro or Sanguinelli. Finer rind texture than either Moro or Sanguinelli.
- Consistently less seedy than either Moro or Sanguinelli.
Amoa 8 tangor
VI 925

- Moro x Willowleaf mandarin hybrid developed introduced as seed from Dr. Russo Sicily in 2002.
- Cultivar in collection with highest anthocyanin pigmentation.
- Not particularly attractive but interesting flavor and distinctive.
- Used in breeding program to increase external and internal pigmentation.
- Carrizo, C-35 citrange rootstocks
- Matures in Riverside Dec. to Jan.
- Quarantine release completed and trees propagated. Budwood distribution in 2021. Early release of 6-12 buds Feb/March 2020
Variegated Cara Cara

- Budsport discovered on Cara Cara tree in CVC 2006.
- Small yields of variegated fruit with greater lycopene/pink pigmentation than Cara Cara.
- Good flavour but not very juicy.
- Carrizo and C-35 citrange rootstocks
- Maturity in Riverside Dec. to Jan.
- Could enter 2019 VI index and if all test negative then projected quarantine release for late summer/fall 2020.
Excalibur Red Lime VI 924

- Attractive, acid fruit, orange flesh, seedy, good flavour and fragrance
- David Karp introduced niche cultivar from Richard and Lynda Wilson at Excalibur Rare Fruit Tree Nursery in Lake Worth, Fla
- Parentage unknown but purportedly Kumquat x Rangpur hybrid
- Yuma Ponderosa lemon rootstock
- Matures in Riverside Jan. to March
- Quarantine release completed and trees propagated.
- Budwood distribution in 2021. Early release of 6-12 buds Feb/Mar. 2020
Update on UCR Citrus Variety Collection (CVC) CUPS Structure

- All CVC accessions all backed up in screened greenhouses.
- Need backup for breeding and evaluation as HLB infections increase.
- Donations from Givaudan and others making it possible to build 2 acre “CUPS” structure.
- Slated for completion first quarter of 2020.
We Thank the Citrus Research Board and the California Citrus Growers for Support of this Research