Clemson Updates

NCPN-FT Tier II meeting
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April 29, 2020
Southeastern Budwood Program

Samples collected from commercial orchards in South Carolina and Georgia

Trees are tagged and blocks are mapped

Viruses indexed for:
- Prunus necrotic ringspot virus
- Prune dwarf virus
- Plum pox virus

Nurseries (located in TN) use maps to collect virus-indexed budwood for June-budding
Budwood Program Updates 2020

- ELISA testing in progress (approved as essential University task)
  - ~2,400 samples for scion budwood
  - ~2,000 Guardian rootstock program
  - PDV, PNRSV, PPV

- Discussing adding a new nursery to the program
- Adding ~15 additional blocks, increasing blocks for popular varieties
Foundation at Clemson

Maintain a collection of **low chilling hour requirement**, **virus-tested** stone fruit cultivars in an insect-resistant screenhouse and in a developing G1 foundation field block.

3 trees of each cultivar in **screenhouse**

10-30 trees of each in 4 acre **field block**

2.5 acres fumigated in March, cover cropping for planting early next year
Current Foundation at Musser Farm

**O’Henry**
- Flameprince
- Rubyprince
- Spring Satin (plum)
- Juneprince
- Ruby Queen
- Red Globe

**Red Skin**
- Cary Mac
- Flavorich
- Marsun
- Summer Gold

**Early Augustprince**
- Cresthaven
- Big Red
- Guardian

**Screenhouse**
- x2-4

**Field Block**
- x10

Aerial view of Musser Farm

G1

G1
Current Foundation at Musser Farm

- Finalizing a list for requests of accessions to add to our foundation collection
- Funds left over from Dr. Scott:
  - Purchased new real time PCR
  - Fumigated part of the G1 field block at Musser
Questions?