



# RRD Review

MARCH 22-24, 2018

CROSSVILLE, TENNESSEE

# Combating RRD Team



**November 10-12, 2016**

**Chambersville Heritage Rose Garden, McKinney, Texas**

# Introductions – University of Tennessee

- ▶ Mark Windham
- ▶ Alan Windham
- ▶ Frank Hale
- ▶ Walt Hitch
- ▶ Brent England
- ▶ Katherine Solo
- ▶ Sara Collins



# Introductions

- ▶ **Matt Woolf – Woolf Nurseries**
- ▶ **Christian Bedard – Weeks Roses**
- ▶ **Michelle Scheiber – Star Roses and Plants**
- ▶ **Christina King – Star Roses and Plants**
- ▶ **Laura Lara – Star Roses and Plants**
- ▶ **Tim Wood – Spring Meadow Nursery**
- ▶ **Bruce Gibson – Plug Connection**
- ▶ **Dan Waterhouse – Neuhouse Farms**

# Introductions – Texas A&M University

- ▶ David Byrne
- ▶ Patricia Klein
- ▶ Marco Palma\*
- ▶ Natalie Anderson
- ▶ Ellen Young
- ▶ Jeekin Lau
- ▶ Stella Kang
- ▶ Andrew Barocco

# Introductions

- ▶ Tyler Francis – Francis Roses
- ▶ Tim Burge – David Austin Roses
- ▶ Mike Shoup – Antique Rose Emporium
- ▶ Bryant Davenport – Agdia
- ▶ Jill Calabro – AmericanHort
- ▶ Stephen Scanniello – New York Botanical Garden
- ▶ Dan Gabel – New York Botanical Garden
- ▶ Peter Winne – Elizabeth Park

# Introductions

- ▶ **USDA**
  - ▶ **Gary and Francine Bauchan**
  - ▶ **John Hammond**
  - ▶ **Ramon Jordan**
- ▶ **Chambersville Heritage Rose Garden**
  - ▶ **Claude and Pamela Graves**
  - ▶ **Dean and Carol Oswald**
- ▶ **Farmer's Branch Rose Garden**
  - ▶ **Pam Smith**

# Introductions – Texas A&M University

- ▶ Kevin Ong - TPDDL
- ▶ Maddi Shires - TPDDL
- ▶ Dmitry Kurouski - Biochemistry
- ▶ Mingxiong (David) Pang - Dallas
- ▶ Brent Pemberton - Overton
- ▶ Laura Miller – AgriLife Extension, Tarrant County



# Introductions



## ▶ Oklahoma State University

- ▶ Andres Espindola
- ▶ Francisco Ochoa-Corona
- ▶ Jen Olson

## ▶ University of Florida

- ▶ Austin Fife
- ▶ Melanie Kalischuk
- ▶ Gary Knox
- ▶ Mathews Paret\*

# Introductions

- ▶ **Jim Amrine – West Virginia University**
- ▶ **Tom Evans – University of Delaware**
- ▶ **Shimat Joseph – University of Georgia**
- ▶ **John Karlik – University of California**
- ▶ **Tobiasz Druciarek – University of Arkansas**
- ▶ **Jim Luby – University of Minnesota**

# General Schedule - Monday reporting

- ▶ **Virus**
  - ▶ Updates on techniques to validation/commercialization
- ▶ **New technologies**
  - ▶ Infectious clone, multispectral, Adgia RPA, EDNA
- ▶ **Outreach and Education**
  - ▶ Social media, web site, educational materials
- ▶ **Marketing and Economics**
- ▶ **Industry Panel – Impact of RRD**
- ▶ **Visit to RRD fields**

# General Schedule - Tuesday reporting

- ▶ **Mite Biology**
  - ▶ Updates on spp, predators, behavior, sampling
- ▶ **Where is RRD?**
  - ▶ Monitoring, southern border
- ▶ **Management**
  - ▶ Cultural, miticides, antiviral
- ▶ **Resistance**
  - ▶ Resistance evaluations, rapid phenotyping, Raman spectroscopy
  - ▶ Foliage diseases, breeding, molecular maps, populations/analysis
- ▶ **Visit to RRD fields?**

# Wednesday - Conclusions/Summary

- ▶ Breakout sessions – 9 am – 10:15 am
  - ▶ Virus Biology
    - ▶ Francisco Ochoa Corona
  - ▶ Breeding and Genetics
    - ▶ David Byrne, Patricia Klein
  - ▶ Mite Biology
  - ▶ Extension and Outreach

# Wednesday - Conclusions/Summary

- ▶ Breakout sessions – 10:45 am – 12 noon
  - ▶ Mite Biology
    - ▶ Gary Bauchan
    - ▶ Mark Windham
  - ▶ Extension and Outreach
    - ▶ Jen Olson

# Final Discussion

**Prioritized list of  
research/extension activities**