3rd National Vegetable Grafting Symposium
Growing New Roots for the Vegetable Industry in the U.S.

Thursday January 8, 2015
Savannah International Trade & Convention Center (SITCC)
1 International Drive, Savannah, GA 31402

Session 1. Overview of Vegetable Grafting Today
Moderator: Erin Rosskopf, USDA-ARS

8:30am-8:45am Welcome – Frank Louws, North Carolina State University
8:45am-9:15am Tomato grafting in the U.S. – Matthew Kleinhengz, The Ohio State University
9:15am-9:45am Cucurbit grafting in the U.S. – Richard Hassell, Clemson University
9:45am-10:15am Overview of grafting in Italy – Giovanna Causarano, Centro Seia

Break and Poster Viewing
10:15am-10:45am Poster presentations – U.S. research programs, seed companies and suppliers, international programs and companies (refreshments served)

Session 2. Propagation for Grafting
Moderator: Richard Hassell, Clemson University

10:45am-11:15am Inter-specific Cucurbita rootstock – Roni Cohen, The Agricultural Research Organization of Israel
11:15am-11:45am How a seed company makes the decision for breeding and marketing of rootstock – Kazutoshi Kasuya, American Takii
11:45am-12:05pm Rootstock trials- What we look for at Johnny's Selected Seeds – Andrew Mefferd, Johnny’s Selected Seeds
12:05pm-12:25pm Overview of propagation technology developments – Chieri Kubota, University of Arizona
12:25pm-12:55pm Propagation Panel: Erin Rosskopf, USDA-ARS, Florida (moderator); Giovanna Causarano, Centro Seia; Kazutoshi Kasuya, American Takii; Roni Cohen, ARO, Israel; Ricardo Hernández, Grafted Growers; Gregg Opgenorth, Plug Connection; Chieri Kubota, University of Arizona; Andrew Mefferd, Johnny’s Selected Seeds

Lunch and Poster Viewing
12:55pm-2:00pm All participants (included in registration)
Session 3. Grafting Production Systems
Moderator: Chieri Kubota, University of Arizona

2:00pm-2:30pm  Overview of cucurbit grafting in Israel – Roni Cohen, The Agricultural Research Organization of Israel

2:30pm-2:50pm  Using grafted watermelon plants for fresh market production – Dan Van Groningen, Van Groningen and Sons

2:50pm-3:10pm  Using grafted plants for high tunnel tomato production in the Midwest - Frank Gieringer, Gieringer’s Orchard

3:10pm-3:30pm  Tomato production successes and challenges in large-scale field production – Randall Patterson, Patterson Farms

3:30pm-4:00pm  Production Systems Panel: Josh Freeman, University of Florida (moderator); Dan Van Groningen, Van Groningen and Sons; Randall Patterson, Patterson Farms; Nancy Roe, Farming Systems Research Inc.; Frank Gieringer, Gieringer’s Orchard

Posters
At least 12 posters covering many grafting-production topics will be available for viewing.

Reception
4:00pm-6:00pm  Poster Presentations and Exhibits

***PAT and CCA continuing education (CEU) credits may be available***

Note: Exhibits and posters will be displayed for easy viewing during breaks, lunch and the reception.

The symposium is proudly being held in conjunction with the SE Regional Fruit & Vegetable Conference on January 8-11, 2014 at the Savannah International Trade & Convention Center, Savannah, Georgia.
Exhibitors
Johnny’s Selected Seeds
Grafted Growers
Hybec USA
ISO Group
Plug Connection
SuperNaturals Grafted Vegetables
TriEst Ag Group

Sponsors
American Takii
Grafted Growers
Rijk Zwaan
Syngenta
TriEst Ag Group

Posters

1. Weed management in grafted vs. non-grafted fresh market tomato -- Sushila Chaudhari, Katie M. Jennings, David W. Monks, Christopher C. Gunter and Frank J. Louws, North Carolina State University

2. Rootstock age after fatty alcohol treatment affects success of a new watermelon grafting method (absent rootstock cotyledon) -- Shawna Daley and Richard Hassell, Clemson University Coastal Research and Education Center

3. Research to real world: developing a successful on-farm watermelon grafting operation using fatty alcohol technology -- Shawna Daley, Clemson University Coastal Research and Education Center

4. Sucker control of tomato seedlings by fatty alcohol application -- Tomomi Eguchi and Chieri Kubota, The University of Arizona

5. Multiple measures reveal that pre- and post-grafting light levels influence the healing rate but not survival of grafted tomato seedlings -- Bizhen Hu, Joshua Blakeslee, Peter Ling, Mark Bennett and Matt Kleinhenz, The Ohio State University

6. Variety selection for grafted tomato production: relative seedling vigor, compatibility and on-farm yield -- Bizhen Hu, Jennifer Moyseenko, Stephanie Short, Sonia Walker and Matt Kleinhenz, The Ohio State University

7. Tomato rootstock resistance to bacterial wilt as modulated by grafting and NC regional isolates -- Jonathan P. Kressin, Emily J. Silverman, Frank J. Louws and Dilip R. Panthee, North Carolina State University

8. The effects of leaf removal on adventitious root formation and plant growth of grafted tomatoes grafting with hybrid rootstocks to increase tomato productivity in the Great Plains -- Lani Meyer, Megan Kennelly, Karen Garrett, Ari Jumponnen and Cary Rivard, Kansas State University

Support is provided by USDA-National Institute of Food and Agriculture (NIFA) (Specialty Crop Research Initiative Award # 2011-51181-30963; “Development of Grafting Technology to Improve Sustainability and Competitiveness of the U.S. Fruiting Vegetable Industry”), institutions participating in that project and their collaborators.
9. Grafting and storage effects on quality of fresh cut watermelon fries – Penny Perkins-Veazie, David Suchoff, Jonathon Schultheis, North Carolina State University; Richard Hassell, Clemson University


11. Managing bacterial wilt of tomato with grafting in North Carolina – Emily Silverman, James G. Driver, Jonathan Kressin, Frank J. Louws, and Dip Panthee, North Carolina State University

12. Yield enhancement and nitrogen use efficiency in grafted watermelon: fact or fiction? -- David H. Suchoff, Christopher C. Gunter, Jonathon R. Schultheis, Frank J. Louws, and Brian E. Jackson, North Carolina State University; Richard Hassell, Clemson University Coastal Research and Education Center


14. An economic analysis of grafted tomato production under different planting densities -- Xin Zhao, Zhifeng Gao, and Zack Black, University of Florida

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