

Preliminary Program

Florida State Horticultural Society One Hundred and Ninth Annual Meeting

November 3-5, 1996
The Clarion Plaza Hotel
Orlando, Florida



General Session (Dr. Mohamed Ismail)	Ballroom D
Citrus Section (Dr. Lawrence Parsons)	Ballroom D
Garden and Landscape Section (Dr. Stephen Kostewicz)	Salon 2
Handling and Processing Section (Mr. Craig Campbell)	Salon 10
Krome Memorial Institute (Dr. Peter Andersen)	Salon 18
Ornamental Section (Dr. James Gilreath)	Salon 1
Vegetable Section (Dr. George Hochmuth)	Salon 9

All papers will start promptly on schedule as shown so that it will be possible to go from one section to another to hear papers of personal interest.

Every person attending the meeting is asked to register. Preregistration fee before October 15, 1996 is \$50.00. Preregistration for the spouses program is \$15.00. Student preregistration is \$15.00. Registration after October 15, 1996 will be \$60.00, \$20.00, and \$20.00, respectively. No refunds will be made after November 1, 1996.

Gary J. Wilfret, Program Coordinator

Preliminary Program
One Hundred and Ninth Annual Meeting
Florida State Horticultural Society

Awards Ceremony

Sunday Evening, November 3, 1996 - 6:00 pm
Dr. Mohamed Ismail, Presiding
(Salon 6)

Social Hour

Sunday Evening, November 3, 1996 - 7:00 pm
(Ballroom A)

Spouses Program

Monday, November 4, 1996
Hospitality Room Open - 8:30 am
(Salon 17)

Lunch and Program
(Salon 3)

Tuesday, November 5, 1996
Hospitality Room Open - 8:30 am
(Salon 17)

Undergraduate Student Luncheon
Monday Noon, November 4, 1996
(Jack's Place)

Horticultural Breakfast

Tuesday, November 5, 1996 - 7:00 am
(Ballroom C)

Annual Business Meeting

Tuesday, November 5, 1996 - 10:15 am
(Ballroom D)

Fruit Crops Lunch

Tuesday, November 5, 1996 - Noon
(Ballroom C)

Workshops

Tuesday, November 5, 1996
1:00 - 5:00 pm
(Ballroom D)

General Session

Monday Morning, November 4, 1996 - 8:30 am
(Ballroom D)

Dr. Mohamed Ismail, Presiding

Invocation Mr. Charles M. Hendrix, Jr.
Introduction and Welcome Dr. Mohamed Ismail
President's Address Dr. Walter Kender
Principal Address T B A
Recognition of Students Dr. John L. Griffis, Jr.

CITRUS SECTION

Lawrence Parsons, Vice President
Presiding

Monday A.M., November 4, 1996

1. 10:00 "Deposition of Spray Material on Citrus Fruit and Foliage by Low and Mid-Volume Application", P. A. Stansly, R. E. Rouse, SWFREC, IFAS, Univ. of FL., Immokalee; and R. P. Cromwell, Ag. and Biol. Engineering, IFAS, Univ. of FL, Gainesville.
2. 10:15 "Management of Glyphosate - Associated Citrus Fruit Drop", C. G. Erickson, Monsanto, Tangerine.
3. 10:30 "Citrus Leaf Wash Comparison of Zinc Nutritionals and Nutrient Uptake Analysis", S. H. Futch, CREC, IFAS, Univ. of FL, Lake Alfred; and R. N. Gallaher, Agronomy, IFAS, Univ. of FL, Gainesville.
4. 10:45 "Effects of Application Time and Spray Volume on Deposition", M. Salyani and W. C. Hoffmann, CREC, IFAS, Univ. of FL, Lake Alfred.
5. 11:00 "A New Broad-spectrum Herbicide for Citrus", S. D. Delaney, E. I. duPont de Nemours and Co., Ag. Products, Clermont; and C. S. Morton, E. I. duPont de Nemours and Co., Ag. Products, Memphis, TN.
6. 11:15 "Evaluation of Spray Chemical Phytotoxicity to Citrus Fruit", L. G. Albrigo, J. W. Grosser, and B. R. Bondada, CREC, IFAS, Univ. of FL, Lake Alfred.
7. 11:45 Insect-Plant Pathogen Interactions: Preliminary Studies of *Diaprepes* Root Weevil Injuries and *Phytophthora* Infections", S. Rogers, C. W. McCoy and J. H. Graham, CREC, IFAS, Univ. of FL, Lake Alfred.
8. 11:30 "Feeding Response of First Instar Larvae of *Diaprepes abbreviatus* to Different Novel Intergeneric Citrus Somatic Hybrids", J. W. Grosser and C. W. McCoy, CREC, IFAS, Univ. of FL, Lake Alfred.

LUNCH (on your own)

Monday P.M., November 4, 1996

- 1:15 Sectional Business Meeting
9. 1:30 "Evaluation of Fungicides for Control of Greasy Spot in 'Hamlin' Orange", R. J. McGovern, GCREC, IFAS, Univ. of FL, Bradenton; and E. Ontermay, and M. Pacchioli, A. Duda & Sons, LaBelle.
10. 1:45 "Aphid Populations in a Florida Citrus Tristeza Virus Suppression Trial", R. R. Pelosi, E. E. Killer, and R. C. Bullock, IRREC, IFAS, Univ. of FL, Ft. Pierce.
11. 2:00 "Preplant Leaf Nitrogen Concentration Effects on Growth and Fertilizer Requirement of Young 'Hamlin' Orange Trees", L. Guazzelli, J. J. Ferguson, and F. S. Davies, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
12. 2:15 "Irrigation and Fertilization of Young Interset 'Hamlin' Orange Trees in

- Florida", F. S. Davies, M. Tignor, and L. Mathers, Hort. Sciences., IFAS, Univ. of FL, Gainesville.
13. 2:30 "User Perspective on Laboratory Analysis and It's Reliability", E. Ontermma, and J. Haines, A. Duda & Sons, LaBelle; and V. Reinholde, SWFREC, IFAS, Univ. of FL, Immokalee.
 14. 2:45 "Status of Soil Residual Citrus Herbicide Contamination in Irrigation Well Water in Spain", D. Gomez de Barreda, M. Gamon, A. Saez, E. Lorenzo, J. Garcia de la Cuadra, A. del Busto, C. Ramos, J. Piquer, A. L. Lidon, A. Ten, C. Peris, I.V.I.A., Generalitat Valenciana, Spain.
3:00 Discussion and Intermission
 15. 3:30 "Variation in Groundwater Nitrate Under an East Central Florida Citrus Grove", H. K. Wutscher, USDA, ARS, U.S. Hort. Research Lab., Orlando.
 16. 3:45 "Leaf Mineral Concentration, Growth, Yield, Fruit Quality, and Economics of 'Ambersweet' Orange Trees on Two Rootstocks", M. Zekri, Jack Berry, Inc., LaBelle.
 17. 4:00 "Hail Damage: Physical Forces and Crop Losses", S. Rogers, ECOSTAT, Inc., Highland City.
 18. 4:15 "The Development of New Citrus Rootstocks", J. K. Dunaway, Little Green Acres, Leesburg.
 19. 4:30 "Does Moving Undertree Sprinklers Into the Canopy Add Protection from Cold Damage?", J. D. Martsolf, Hort. Sciences, IFAS, Univ. of FL, Gainesville.

Tuesday A.M., November 5, 1996

20. 8:30 "Recent Developments of Cuba's Citrus Industry", R. P. Muraro, CREC, IFAS, Univ. of FL, Lake Alfred; and T. H. Spreen, Food and Res. Economics, IFAS, Univ. of FL, Gainesville.
 21. 8:45 "Inter-Plant Competition and Rootstock Affect the Growth and Yield of 'Hamlin' Orange Trees Used for Replanting", W. S. Castle and J. C. Baldwin, CREC, IFAS, Univ. of FL, Lake Alfred.
 22. 9:00 "An Overview of Florida Citrus Freeze Survival", G. Yelenosky, USDA, ARS, U.S. Hort. Research Lab, Orlando.
 23. 9:15 "A Long Term Production Planning Model for a Citrus Farm", H. Prekel and P. Noddeboe, Truida Prekel Consultants, Cape Town, Republic of South Africa and Tambankulu Estates, Kingdom of Swaziland.
 24. 9:30 "When Should You Replant Trees in a Citrus Grove?", R. P. Muraro and W. S. Castle, CREC, IFAS, Univ. of FL, Lake Alfred.
 25. 9:45 "Optimum Temperatures for Seed Germination of 17 Citrus Varieties Used as Rootstocks", R. E. Rouse and J. B. Sherrod, SWFREC, IFAS, Univ. of FL, Immokalee.
- 10:15 Annual Business Meeting
LUNCH (on your own)

Tuesday P.M., November 5, 1996

1:00 - 5:00 Workshops

GARDEN & LANDSCAPE SECTION

Steve Kostewicz, Vice President
Presiding

Monday A.M., November 4, 1996

26. 10:00 "Within-row Spacing Effects on Yields of Spaghetti Squash", A. M. Hamner and P. J. Stoffella, IRREC, IFAS, Univ. of FL, Ft. Pierce.
27. 10:15 "Jacksonville's Urban Gardening Program, 1977-1996", J. M. Stephens, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
28. 10:30 "Organic Soil Amendment Studies with Tomato", J. M. Stephens and S. R. Kostewicz, Hort. Sciences, IFAS, Univ. of FL, Gainesville.

- 29. 10:45 "Manure and Compost Teas for Organically Grown Tomatoes", S. R. Kostewicz, J. M. Viers, and J. M. Stephens, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
- 30. 11:00 "Yield and Carotene Content of Organically Grown Carrots", J. Moscatello, Ag. Ed. & Comm. Dept.; S. R. Kostewicz, Hort. Sciences, IFAS, Univ. of FL, Gainesville; and C. A. Sims, Food Sci. and Human Nutrition, IFAS, Univ. of FL, Gainesville.
- 31. 11:15 "Food Value of Aquatic Plants", D. L. Robinette, Aquaculture Fisheries and Wildlife Dept., Clemson Univ., Clemson, SC; and D. L. Sutton, FLREC, IFAS, Univ. of FL, Ft. Lauderdale.
- 32. 11:30 "Use of Native Aquatic Plants as Backyard Ornamentals", D. L. Sutton, FLREC, IFAS, Univ. of FL, Ft. Lauderdale; and D. L. Robinette, Aquaculture Fisheries and Wildlife Dept., Clemson Univ., Clemson, SC.
- 33. 11:45 "Aquascaping of Urban Pools", M. L. Robinson, Pinellas Co. Coop. Ext. Serv., IFAS, Univ. of FL, Largo.

LUNCH (on your own)

Monday P.M., November 4, 1996

- 1:15 Sectional Business Meeting
- 34. 1:30 "1995-1996 Winter Overseeding Trials on Fairway and Putting Green Bermudagrass", S. F. Anderson and A. E. Dudeck, Environ. Hort., IFAS, Univ. of FL, Gainesville.
- 35. 1:45 "Effects of Production Shade Levels on Size and Vase Life of Three Cut Foliage Crops", R.H. Stamps, CFREC, IFAS, Univ. of FL, Apopka.
- 36. 2:00 "Two Year Evaluation of Pansy Cultivars in the Florida Landscape", T.K. Howe and W. E. Waters, GREC, IFAS, Univ. of FL, Bradenton.
- 37. 2:15 "Leaf and Stem Production of Trimmed Mangrove", G. C. Doyle, Horticulture Plus, Inc., Vero Beach.
- 38. 2:30 "The Use of MSW Compost in an Ornamental Landscape", J. D. Leary, Ag. and Biol. Engineering, IFAS, Univ. of FL, Gainesville; and G. Kidder, Soil and Water Science, IFAS, Univ. of FL, Gainesville.
- 39. 2:45 "The Build Green and Profit Program", M. E. Swisher, Home Economics, IFAS, Univ. of FL, Gainesville; and D. Roos, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
- 3:00 Discussion and Intermission

Tuesday A.M., November 5, 1996

10:15 Annual Business Meeting

LUNCH (on your own)

Tuesday P.M., November 5, 1996

1:00-5:00 Workshops

HANDLING AND PROCESSING SECTION

Craig Campbell, Vice President

Presiding

Monday, A.M., November 4, 1996

- 40. 10:00 "Measuring Grapefruit Juice on a Percent Weight Basis", W. F. Wardowski, CREC, IFAS, Univ. of FL, Lake Alfred; M. A. Rains, FL Div. Fruits and Veg., Winter Haven; and V. Zhiteleva, CREC, IFAS, Univ. of FL, Lake Alfred.
- 41. 10:15 "Effects of Preharvest Factors on Postharvest Pitting of White Grapefruit", P. D. Petracek, FL Dept. Citrus, CREC, Lake Alfred.
- 42. 10:30 "Techniques for Abrasive Damage Assessment of Florida Citrus", W. M. Miller and W. L. Verba, CREC, IFAS, Univ. of FL, Lake Alfred.
- 43. 10:45 "Effect of Nature Seal Coatings on Maintaining Carotene in Fresh-cut Carrots", X. Chen, EcoScience PSD, Orlando.
- 44. 11:00 "Degreening Mature Green or Slightly Yellow Peel Carambolas Prior to Cold

Treatment", W. R. Miller and R. E. McDonald, USDA, ARS, U.S. Hort. Research Lab, Orlando.

45. 11:15 "Volatile Composition and Interaction Influence Flavor Properties of Mango", T. M. M. Malundo, U.S. Distilled Products, Princeton, MN; E. A. Baldwin, USDA, ARS, Citrus and Subtropical Products Lab, Winter Haven; G. O. Ware and R. L. Shewfelt, Univ. of GA Agr. Exp. Station, Griffin, GA.
46. 11:30 "Blueberry Fruit Quality and Storability as Influenced by Postharvest Application of Polyamine and Heat Treatments", F. M. Bassiouny, Dept. of Agr. Sciences, Tuskegee Univ., Tuskegee, AL.
47. 11:45 "Response of Blackberry Fruit to Calcium, Polyamines and Controlled Atmospheres", F. Valerio and F. M. Bassiouny, Dept. of Agr. Sciences, Tuskegee Univ., Tuskegee, AL; D. G. Himelrick, Dept. of Hort., Auburn Univ., Auburn, AL.

LUNCH (on your own)

Monday P.M., November 4, 1996

- 1:15 Sectional Business Meeting
48. 1:30 "Lychee Color Can Be Better Maintained in Storage Through Application of Low-pH Cellulose Coatings", R. G. McGuire, USDA, ARS, Miami; and E. A. Baldwin, USDA, ARS, Citrus and Subtropical Products Lab, Winter Haven.
49. 1:45 "Host Status of Florida Lychees in Relation to the Caribbean Fruit Fly", W. P. Gould and R. Nguyen, USDA, ARS, Miami.
50. 2:00 "Evaluation of Biological Products for the Control of Postharvest Diseases of Florida Citrus", G. E. Brown, CREC, FL Dept. Citrus, Lake Alfred.
51. 2:15 "Measuring Efficiency in Florida Fresh Citrus Packinghouses", R. P. Muraro, CREC, IFAS, Univ. of FL, Lake Alfred; J. J. VanSickle and A. Heyman, Food and Res. Economics, IFAS, Univ. of FL, Gainesville; W. F. Wardowski and W. M. Miller, CREC, IFAS, Univ. of FL, Lake Alfred.
52. 2:30 "Comparison of Cooling and Packaging Methods to Extend the Postharvest Life of Okra", S. A. Sargent, A. J. Fox, C. M. Coelho, and S. J. Locascio, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
53. 2:45 "Postharvest Quality of an Astringent Persimmon Variety after Long-Term Storage Followed by Ethephon Treatment", M. A. Moura, Plant Sci. Dept., Universidade Federal de Vicosa, Vicosa, Brazil; C. L. Moretti, CNPH/EMBRAPA, Brasilia, DF, Brazil; and L. C. Lopes, Plant Sci. Dept., Universidade Federal de Vicosa, Vicosa, Brazil.
- 3:00 Discussion and Intermission

Tuesday A.M., November 5, 1996

10:15 Annual Business Meeting

LUNCH (on your own)

Tuesday P.M., November 5, 1996

1:00-5:00 Workshops

KROME MEMORIAL SECTION

Peter Andersen, Vice President

Presiding

Monday A.M., November 4, 1996

54. 10:00 "The UF/IFAS Strawberry Cultivar Development Program", C.K. Chandler, GCREC, IFAS, Univ. of FL, Dover; T.E. Crocker, Hort. Sciences, IFAS, Univ. of FL, Gainesville; and D. E. Legard, GCREC, IFAS, Univ. of FL, Dover.
55. 10:15 "Demonstration Plots for Alternative Fruit and Nut Crops for Central Florida", T.E. Crocker and J.G. Williamson, Hort. Sciences, IFAS, Univ. of FL, Gainesville; and J.L. Jackson Jr., Lake Co. Coop. Ext. Serv., IFAS, Univ. of FL, Tavares.

56. 10:30 "Gibberellic Acid (GA3) Sprays Increase Fruit Set and Yield of Rabbit Eye Blueberries", J.G. Williamson and R.L. Darnell, Hort. Sciences, IFAS, Univ. of FL, Gainesville; G. Krewer, Hort. Sciences, Univ. of GA, Tifton; and S. NeSmith, Hort. Sciences, Univ. of GA, Griffin.
57. 10:45 "Freeze Protection of Blueberries with Overhead Irrigation", P.M. Lyrene, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
58. 11:00 "Floral Biology, Pollination and Parthenocarpy of the Oriental Persimmon (*Diospyros khaki* L.)", K.R. Woodburn, Hort. Sciences, IFAS, Univ. of FL, Gainesville; and P.C. Andersen, NFREC, IFAS, Univ. of FL, Quincy.
59. 11:15 "Cherry of Rio Grande", R.H. Sharpe and W.B. Sherman, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
60. 11:30 "Low Chill Peach and Nectarine Breeding at the University of Florida", W.B. Sherman, P.M. Lyrene and R.H. Sharpe, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
61. 11:45 "Post-harvest Characteristics of Moderate Chill Peach Varieties", T.G. Beckman, USDA-ARS, Byron, GA; and G.W. Krewer, Univ. of GA, Tifton.
- LUNCH (on your own)

MONDAY P.M., November 4, 1996

- 1:15 Sectional Business Meeting
62. 1:30 "Transfer: A New Citrus Abscission Compound", J. B. Taylor, Deland; and M. Wilcox, Agronomy, IFAS, Univ. of FL, Gainesville.
63. 1:45 "Evaluation of Pecan Cultivars in North Florida from 1989 to 1996", P.C. Andersen, NFREC, IFAS, Univ. of FL, Quincy.
64. 2:00 "The Potential of Autumn Bearing Red Raspberries as an Annual Crop for Florida", R.J. Knight Jr., J.H. Crane, and W. Klassen, TREC, IFAS, Univ. of FL, Homestead; and C. Valerdi, Dade Co. Coop. Ext. Serv., IFAS, Univ. of FL, Homestead.
65. 2:15 "The 'Glenn' Mango, an Early-Maturing Cultivar", C.W. Campbell, TREC, Univ. of FL, IFAS, Homestead; and R.J. Campbell, Fairchild Tropical Garden, Miami.
66. 2:30 "Detection of Avocado Sun Blotch Viroid using RT-PCR", R.J. Schnell, USDA-ARS National Clonal Germplasm Repository, Miami.
67. 2:45 "Suitability of Dade County Groundwater for use in Micro Irrigation Systems", D. Pitts, SWFREC, IFAS, Univ. of FL, Immokalee; C. Yurgalevitch, South Dade County Soil and Water Conservation District, Homestead; T. Obreza, J. Capece, SWFREC, IFAS, Univ. of FL, Immokalee; and J. Dymond, South Dade County Soil and Water Conservation District, Homestead.
- 3:00 Discussion and Intermission
68. 3:30 "Socioeconomic Characteristics and Consumer Preference for Grapes: Fry Versus Thompson Seedless", S. Leong and L. Theodore, Center for Viti. Sciences, FL A&M Univ., Tallahassee.
69. 3:45 "Application of Gibberellic Acid on Grape Cultivar, Orlando Seedless", J. Lu, Center for Viti. Sciences, FL A&M Univ., Tallahassee.
70. 4:00 "Hybridization of *Vitis rotundifolia* X *V. Vinifera*" J. Lu and L. Schell, Center for Viti. Science, FL A&M Univ., Tallahassee.
71. 4:15 "Resistance of Muscadine Grapes to Angular Leaf Spot (*Mycosphaerella angulata*) in North Florida", J. Chen and O. Lamikanra, Center for Viti. Sciences, FL A&M Univ., Tallahassee.
72. 4:30 "Effect of Pruning on Alachua Muscadine Grape Berry Size and Yield", D. Gray, J.W. Harris and K.T. Kelly, CFREC, IFAS, Univ. of FL, Leesburg.

Tuesday A.M., November 5, 1996

- 10:15 Annual Business Meeting
- LUNCH (on your own)

Tuesday P.M., November 5, 1996

1:00-5:00 Workshops

ORNAMENTALS SECTION

Jim Gilreath, Vice President

Presiding

Monday A.M., November 4, 1996

73. 10:00 "New Insecticides for Management of Silverleaf Whitefly in Poinsettia", J.F. Price, GCREC, IFAS, Univ. of FL, Bradenton.
74. 10:15 "Impatiens Height Control by Paclobutrazol for Plants Grown in Media Containing Compost", K. A. Klock, FLREC, IFAS, Univ. of FL, Ft. Lauderdale.
75. 10:30 "Effect of Plant Growth Regulators on Growth of Barbara Karst' Bougainvillea", J. H. Aldrich and J. G. Norcini, NFREC, IFAS, Univ. of FL, Monticello.
76. 10:45 "Response of Seventeen Poinsettia Cultivars to Growth Regulators", G.J. Wilfret, GCREC, IFAS, Univ. of FL, Bradenton.
77. 11:00 "Diethylstilbestrol and In Vitro Morphogenesis of Immature Coconut (*Cocos nucifera* L.) Leaf Tissues", J. L. Griffis, Jr., Citrus and Hort. Dept., FL Southern College, Lakeland; R. E. Litz, TREC, IFAS, Univ. of FL, Homestead; and T.J. Sheehan, Environ. Hort., IFAS, Univ. of FL, Gainesville.
78. 11:15 "Effect of Late Growth Regulators Applications at Floral Bud Emergence and Stretch on Easter Lily Development", G. J. Wilfret and R. A. Reiser, GCREC, IFAS, Univ. of FL, Bradenton.
79. 11:30 "Preliminary Evaluation of Three Full Circle Impact Sprinklers for Cold Protection in Shadehouses", R. H. Stamps and D. W. McColley, CFREC, IFAS, Univ. of FL, Apopka.
80. 11:45 "Providing Poverty Pockets of a Large Urban County with Ornamentals Using Volunteers", M. L. Schneider, Dade Co. Coop. Ext. Serv., IFAS, Univ. of FL, Homestead.

LUNCH (on your own)

Monday P.M., November 4, 1996

- 1:15 Sectional Business Meeting
81. 1:30 "Effect of Temperature and Fungicides on Development of Alternaria Leafspot of Periwinkle", J. P. Jones and R. J. McGovern, GCREC, IFAS, Univ. of FL, Bradenton.
82. 1:45 "Periwinkle Twig Blight Caused by Colletotrichum Dematium", R. T. McMillan, Jr. and W. R. Graves, TREC, IFAS, Univ. of FL, Homestead.
83. 2:00 "Enhanced Survival of Impatiens in *Rhizoctonia solani*-Infested Soil by Fungicides and Biocontrols", R. J. McGovern, GCREC, IFAS, Univ. of FL, Bradenton.
84. 2:15 "Bamboo Mosaic Virus Detected in Ornamental Bamboo Species in Florida", M. S. Elliott and F. Z. Zettler, Plant Pathology, IFAS, Univ. of FL, Gainesville.
85. 2:30 "Preliminary Investigations with Fumigant Alternatives to Methyl Bromide in Floricultural Crops", J. P. Gilreath, GCREC, IFAS, Univ. of FL, Bradenton; and D. W. West, Manatee Co. School District, Palmetto.
86. 2:45 "*Acaethrix trymatis* Found on Coconut Palms in Florida and its Possible Association with Lethal Yellowing", J. Rackley, Jon's Nursery, Inc., Eustis.
- 3:00 Discussion and Intermission
87. 3:30 "Response of Hibiscus to Organic Mulches", S. H. Brown, Lee Co. Coop. Ext. Serv., IFAS, Univ. of FL, Ft. Myers.

Tuesday A.M., November 5, 1996

10:15 Annual Business Meeting

LUNCH (on your own)

Tuesday P.M., November 5, 1996

1:00-5:00 Workshops

VEGETABLE SECTION

George Hochmuth, Vice President

Presiding

Monday A.M., November 4, 1996

88. 10:00 "N Fertilization Management for Bell Pepper (*Capsicum Annum L.*)", N. L. Shaw, G. J. Hochmuth, and S. A. Sargent, Hort. Sciences, IFAS, Univ. of FL, Gainesville; and E. A. Hanlon, Soil and Water Science, IFAS, Univ. of FL, Gainesville.
89. 10:15 "Fertilizer Content of the Medium Enhances Lettuce Transplant Growth", S. Nicola and D. J. Cantliffe, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
90. 10:30 "Effect of Microirrigation and Antitranspirant Rates on Tomato and Bell Pepper Yields", A. A. Csizinszky, GCREC, IFAS, Univ. of FL, Bradenton.
91. 10:45 "Nitrogen Requirements of Drip-Irrigated Tomato", S.J. Locascio, Hort. Sciences, IFAS, Univ. of FL, Gainesville; A. G. Smajstrla, Ag. and Biol. Engineering, IFAS, Univ. of FL, Gainesville; and M. R. Alligood, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
92. 11:00 "Plant Petiole Sap Testing for Sweet Corn Grown on Mineral Soil", J.M. White, CFREC, IFAS, Univ. of FL, Sanford; R. V. Tyson, Seminole Co. Coop. Ext. Serv., IFAS, Univ. of FL, Sanford; E. A. Hanlon, Soil and Water Science, IFAS, Univ. of FL, Gainesville; G. J. Hochmuth, Hort. Sciences, IFAS, Univ. of FL, Gainesville; and C. A. Neal, Seminole Co. Coop. Ext. Serv., IFAS, Univ. of FL, Sanford.
93. 11:15 "Application of Unprocessed Urban Plant Debris Directly to Land", G. Kidder, M. Weaver, D. O'Keefe, and R. Vories, Soil and Water Science, IFAS, Univ. of FL, Gainesville.
94. 11:30 "Reducing Nutrient Applications for Vegetable Production in the Lake Apopka Basin", C. A. Neal, Seminole Co. Coop. Ext. Serv., IFAS, Univ. of FL, Sanford; E. A. Hanlon, Soil and Water Science, IFAS, Univ. of FL, Gainesville; J. M. White, CFREC, IFAS, Univ. of FL, Sanford; R. Tyson, Seminole Co. Coop. Ext. Serv., IFAS, Univ. of FL, Sanford; and S. Cox, Natural Res. Conservation Serv., Orlando.
95. 11:45 "Strawberry Plug Transplants: Regulation of Growth and Production", E. B. Bish, D. J. Cantliffe, Hort. Sciences, IFAS, Univ. of FL, Gainesville; and C. K. Chandler, GCREC, IFAS, Univ. of FL, Dover.

LUNCH (on your own)

Monday P.M., November 4, 1996

1:15 Sectional Business Meeting

96. 1:30 "Cultigen and Plant Spacing Effects on Plant Growth, Disease, Yield and Fruit Quality of Non-staked Tomatoes", H. H. Bryan, L. J. Ramos, M. M. Codallo, TREC, IFAS, Univ. of FL, Homestead; J. W. Scott, GCREC, IFAS, Univ. of FL, Bradenton; and R. G. Gardner, Mountain Hort. Crops Res. Center, No. Carolina State Univ., Fletcher, NC.
97. 1:45 "Evaluation of Commercial Asparagus Production", D. N. Maynard, GCREC, IFAS, Univ. of FL, Bradenton.
98. 2:00 "Transplant Mulch Hole Burner with Cycloidal Motion", L. N. Shaw, Ag. and Biol. Engineering, IFAS, Univ. of FL, Gainesville.
99. 2:15 "Reducing Root-Zone Temperature to Enhance Heat-Tolerant Tomato Yield", H. Y. Hanna, E. P. Millhollon, J. K. Herrick, and C. L. Fletcher,

LSUAC, LAES, RRRS, Bossier City, LA.

100. 2:30 "Evaluation of Several Greenhouse Cucumber Cultivars During Two Seasons: Fall, 1995 and Spring, 1996", R. C. Hochmuth and L. C. Leon, SVREC, IFAS, Univ. of FL, Live Oak; and G.J. Hochmuth, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
101. 2:45 "Factors Affecting Cuticle Cracking in Tomato", C. L.W. Emmons and J. W. Scott, GCREC, IFAS, Univ. of FL, Bradenton.
- 3:00 Discussion and Intermission
102. 3:30 "Effect of Calcium Carbonate and Micronutrients on the Development of Crown Rot of Tomato", J. P. Jones and S. S. Woltz, GCREC, IFAS, Univ. of FL, Bradenton.
103. 3:45 "Tobacco Blue Mold Screening Tests on Tomatoes", L. G. Brown, R. L. Brown, D. O. Chellemi, B. F. Castro, H. Dankers, S. C. Redlin, Y. Kobayashi, and E. Kimishima, Gadsden Co. Coop. Ext. Serv., IFAS, Univ. of FL, Quincy.
104. 4:00 "Efficacy of 1,3-Dichloropropene Formulations for Control of Plant Parasitic Nematodes on Tomato", R. McSorley, Entomology, IFAS, Univ. of FL, Gainesville; and R. J. McGovern, GCREC, IFAS, Univ. of FL, Bradenton.
105. 4:15 "Evaluation of Pepper Tolerance to Selected Preplant Herbicides", W. M. Stall, Hort. Sciences, IFAS, Univ. of FL, Gainesville; and J. P. Gilreath, GCREC, IFAS, Univ. of FL, Bradenton.
106. 4:30 "Effect of Incorporation Method on Pebulate Efficacy under Polyethylene Mulch in Tomato", J. P. Gilreath and J. P. Jones, GCREC, IFAS, Univ. of FL, Bradenton; and J. W. Noling, CREC, IFAS, Univ. of FL, Lake Alfred.

Tuesday A.M., November 5, 1996

107. 8:30 "Tomato Irregular Ripening Symptom Development Induced by Silverleaf Whitefly in Cherry Tomatoes", S. Hanif-Khan, R. C. Bullock, P. J. Stoffella, C. A. Powell, J. K. Brecht, H. J. McAuslane, IFAS, Univ. of FL, Gainesville; and R. K. Yokomi, USDA, Orlando.
108. 8:45 "Toxic Effects of New Miticides on Twospotted Spider Mites in Strawberry", J. F. Price, GCREC, IFAS, Univ. of FL, Bradenton.
109. 9:00 "Management of Tomato Pinworm (Walsingham) Using Biological and Chemical Insecticides", D. R. Seal and R. Betancourt-Barroso, TREC, IFAS, Univ. of FL, Homestead.
110. 9:15 "Methyl Iodide a Replacement of Methyl Bromide as a Soil Fumigant for Tomatoes", R. T. McMillan, Jr., H. H. Bryan, TREC, IFAS, Univ. of FL, Homestead; and H. D. Ohr and J. J. Sims, Univ. of CA, Riverside, CA.
111. 9:30 "Management of Melon Aphid on Cantaloupe and Watermelon with Insecticides Specific for Homoptera", S. E. Webb, CFREC, IFAS, Univ. of FL, Leesburg.
112. 9:45 "Experience with PROCLAIM® for Control of Lepidoptera in Florida Vegetable Production", C. S. Eckel, D.M. Dunbar, S. M. White, and R. A. Dybas, Merck Research Laboratories, Three Bridges, NJ.
- 10:15 Annual Business Meeting
- LUNCH (on your own)

Tuesday P.M., November 5, 1996

WORKSHOPS

"Methyl Bromide: Its Future and Alternatives for Soil Fumigation"

- 1:00 The U.S. Regulatory Scenario and the Perceived Future of Methyl Bromide, Dan Botts.
- "The Role of the USDA in Development of Alternatives to Methyl Bromide", Judith B. St. John.
- "The Response of the University of Florida to the Potential Loss of Methyl

Bromide", Dr. Richard L. Jones.

"The Pros and Cons of Existing Alternatives and Possible Future Alternatives to Methyl Bromide", Dr. Joe Noling.

3:00 Intermission

"New Technological Applications for Agriculture"

3:15 "Opportunities for the Florida Citrus Industry in the Information Age",
P. Spyke, Arapaho Citrus, Ft. Pierce.

3:45 "Precision Agriculture for Florida Horticultural Crops", J. Scueller,
Mechanical Engineering, Univ. of FL, Gainesville.

4:15 TO BE ANNOUNCED

EXECUTIVE COMMITTEE - 1996
Florida State Horticultural Society

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Tuesday A.M., November 5, 1996

10:15 Annual Business Meeting

LUNCH (on your own)

Tuesday P.M., November 5, 1996

1:00-5:00 Workshops

VEGETABLE SECTION

George Hochmuth, Vice President

Presiding

Monday A.M., November 4, 1996

88. 10:00 "N Fertilization Management for Bell Pepper (*Capsicum Annum* L.)", N. L. Shaw, G. J. Hochmuth, and S. A. Sargent, Hort. Sciences, IFAS, Univ. of FL, Gainesville; and E. A. Hanlon, Soil and Water Science, IFAS, Univ. of FL, Gainesville.
89. 10:15 "Fertilizer Content of the Medium Enhances Lettuce Transplant Growth", S. Nicola and D. J. Cantliffe, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
90. 10:30 "Effect of Microirrigation and Antitranspirant Rates on Tomato and Bell Pepper Yields", A. A. Csizinszky, GCREC, IFAS, Univ. of FL, Bradenton.
91. 10:45 "Nitrogen Requirements of Drip-Irrigated Tomato", S.J. Locascio, Hort. Sciences, IFAS, Univ. of FL, Gainesville; A. G. Smajstrla, Ag. and Biol. Engineering, IFAS, Univ. of FL, Gainesville; and M. R. Alligood, Hort. Sciences, IFAS, Univ. of FL, Gainesville.
92. 11:00 "Plant Petiole Sap Testing for Sweet Corn Grown on Mineral Soil", J.M. White, CFREC, IFAS, Univ. of FL, Sanford; R. V. Tyson, Seminole Co. Coop. Ext. Serv., IFAS, Univ. of FL, Sanford; E. A. Hanlon, Soil and Water Science, IFAS, Univ. of FL, Gainesville; G. J. Hochmuth, Hort. Sciences, IFAS, Univ. of FL, Gainesville; and C. A. Neal, Seminole Co. Coop. Ext. Serv., IFAS, Univ. of FL, Sanford.
93. 11:15 "Application of Unprocessed Urban Plant Debris Directly to Land", G. Kidder, M. Weaver, D. O'Keefe, and R. Vories, Soil and Water Science, IFAS, Univ. of FL, Gainesville.
94. 11:30 "Reducing Nutrient Applications for Vegetable Production in the Lake Apopka Basin", C. A. Neal, Seminole Co. Coop. Ext. Serv., IFAS, Univ. of FL, Sanford; E. A. Hanlon, Soil and Water Science, IFAS, Univ. of FL, Gainesville; J. M. White, CFREC, IFAS, Univ. of FL, Sanford; R. Tyson, Seminole Co. Coop. Ext. Serv., IFAS, Univ. of FL, Sanford; and S. Cox, Natural Res. Conservation Serv., Orlando.
95. 11:45 "Strawberry Plug Transplants: Regulation of Growth and Production", E. B. Bish, D. J. Cantliffe, Hort. Sciences, IFAS, Univ. of FL, Gainesville; and C. K. Chandler, GCREC, IFAS, Univ. of FL, Dover.

LUNCH (on your own)

Monday P.M., November 4, 1996

1:15 Sectional Business Meeting

96. 1:30 "Cultigen and Plant Spacing Effects on Plant Growth, Disease, Yield and Fruit Quality of Non-staked Tomatoes", H. H. Bryan, L. J. Ramos, M. M. Codallo, TREC, IFAS, Univ. of FL, Homestead; J. W. Scott, GCREC, IFAS, Univ. of FL, Bradenton; and R. G. Gardner, Mountain Hort. Crops Res. Center, No. Carolina State Univ., Fletcher, NC.
97. 1:45 "Evaluation of Commercial Asparagus Production", D. N. Maynard, GCREC, IFAS, Univ. of FL, Bradenton.
98. 2:00 "Transplant Mulch Hole Burner with Cycloidal Motion", L. N. Shaw, Ag. and Biol. Engineering, IFAS, Univ. of FL, Gainesville.
99. 2:15 "Reducing Root-Zone Temperature to Enhance Heat-Tolerant Tomato Yield", H. Y. Hanna, E. P. Millhollon, J. K. Herrick, and C. L. Fletcher,