

Preliminary Program

Florida State Horticultural Society One Hundred and Sixth Annual Meeting

October 19-21, 1993
Doral Ocean Beach Resort
Miami Beach, Florida



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|---------------------------------------|-------------------------|
| General Session | Mediterranean East |
| Citrus Section | Mediterranean East |
| Garden and Landscape Section | Castillian |
| Handling and Processing Section | Madrid |
| Krome Memorial Institute | Regency Conference Room |
| Ornamental Section | Mediterranean Center |
| Vegetable Section | Regency |

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 1, 1993 is \$50.00. Preregistration for the spouses program is \$30.00. Student preregistration is \$15.00. Registration after October 1, 1993 will be \$55.00, \$35.00, and \$20.00, respectively.

Gary J. Wilfret, Program Coordinator
Proceedings Supplement 106

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

Social Hour

Tuesday Evening, October 19, 1993 - 6:30 p.m.
(Grand Promenade)

Spouses Program

(Ocean View)

Wednesday Morning, October 20, 1993
Hospitality Room Open 8:30 a.m.

Wednesday Afternoon, October 20, 1993
Luncheon

Thursday Morning, October 21, 1993 - 9:30 a.m.
Tour of Art Deco District
Lunch On Your Own
Lincoln Mall Shopping

Undergraduate Student Luncheon

Wednesday Noon, October 20, 1993
(Grand Promenade)

Fruit Crops Breakfast

Thursday Morning, October 21, 1993 - 7:00 a.m.
(Starlight)

Vegetable Crops Industry Breakfast

Thursday Morning, October 21, 1993 - 7:00 a.m.
(Grand Promenade)

Annual Business Meeting

Thursday, October 21, 1993 - 4:15 p.m.
(Mediterranean East)
Grand Prize Awarded

Horticultural Theater

Robert Black, Co-Ordinator
(Mediterranean West)

Horticultural Exhibits

A. A. Will, Jr., Co-Ordinator
(Mediterranean West)

5K Walk/Run

Wednesday Morning, October 2, 1993 - 7:00 a.m.

General Session

Wednesday Morning, October 20, 1993 - 9:00 a.m.
(Mediterranean East)

Dr. Daniel J. Cantliffe, Presiding

Invocation Dr. Gary A. Clark
President's Address Mr. Michael O. Taylor
Principal Address To Be Announced
Recognition of Students Dr. Stephen R. Kostewicz
Recognition of Vice-Presidents Mr. Michael O. Taylor
Awards Mr. Michael O. Taylor
Dr. Mohamed A. Ismail

CITRUS SECTION

C. Jack Hearn, Vice President
Presiding

Wednesday A.M., October 20, 1993

1. 11:00 "A Comparison of Controlled-release to Conventional Fertilization of Mature 'Marsh' Grapefruit", B. J. Boman, AREC, Univ. of Florida, Ft. Pierce.
2. 11:15 "Should We Revisit Nitrogen Nutrition of Ridge Citrus?", A. K. Alva and D. P. H. Tucker, CREC, Univ. of Florida, Lake Alfred.
3. 11:30 "The Influence of Cultivar and High Nitrogen and Potassium Fertilization on Fruit Quality Traits of Young Orange Trees", C. J. Hearn, USDA, ARS, Orlando.
4. 11:45 "First-year Response of 'Ruby Red' Grapefruit on Four Rootstocks to Fertilization and Microirrigation Salinity Level", B. J. Boman, AREC, Univ. of Florida, Ft. Pierce.

LUNCH (on your own)

Wednesday P.M., October 20, 1993

- 1:30 Sectional Business Meeting
5. 1:45 "Effect of Salinity and Calcium on Seedling Emergence, Growth and Mineral Concentration of Citrus Rootstocks", M. Zekri, CREC, Univ. of Florida, Lake Alfred.
6. 2:00 "Use of Reclaimed Water for Irrigation and Fertilization of Young 'Redblush' Grapefruit Trees", M.A. Maurer and F. S. Davies, Hort. Dept., Univ. of Florida, Gainesville.
7. 2:15 "Conserv II Reclaimed Water for Citrus Irrigation", M. Zekri and R. C. J. Koo, CREC, Univ. of Florida, Lake Alfred.
8. 2:30 "Effects of Two Water Sources on the Incidence of Rio Grande Gummosis in an East Coast Grapefruit Grove", L. W. Russo, Coca-Cola Foods, Auburndale; and H. K. Wutscher, USDA, ARS, Orlando.
- 2:45 Discussion and Intermission
9. 3:15 "The Role of Microsprinkler Precipitation Rate, Soil Type, and Water Depletion on Depth of Wetting and Chemical Leaching", L. R. Parsons, K. T. Morgan, and T. A. Wheaton, CREC, Univ. of Florida, Lake Alfred.
10. 3:30 "Toxicity of Imidacloprid to Selected Arthropods in the Greenhouse and Grove", R. C. Bullock and R. R. Pelosi, AREC, Univ. of Florida, Ft. Pierce.

11. 3:45 "Bionomics and Control of the Asian Citrus Leafminer in Florida", J. E. Pena, TREC, Univ. of Florida, Homestead.
12. 4:00 "Rootstock Shoot Contributions to Scion Growth of Containerized Citrus Nursery Trees", J. G. Williamson and B. E. Maust, Hort. Dept., Univ. of Florida, Gainesville.

Thursday A.M., October 21, 1993

13. 9:00 "Juice Quality from Six Valencia Selections on 16 Rootstocks at the Foundation Grove, Immokalee", R. E. Rouse, SWFREC, Univ. of Florida, Immokalee; and C. O. Youtsey, DPI, Winter Haven.
14. 9:15 "In-Vitro Micropropagation of Seedless 'Cohen' Citrange", J. W. Grosser and J. L. Chandler, CREC, Univ. of Florida, Lake Alfred; R. R. Pelosi and M. Cohen, AREC, Univ. of Florida, Ft. Pierce.
15. 9:30 "Respiration Differences of Citrus Rootstock Feeder Roots", H. K. Wutscher, R. E. McDonald, and G. Yelenosky, USDA, ARS, Orlando.
16. 9:45 "Effect of Photoperiod, Soil Temperature and Forcing Method on Scion Growth of Citrus Nursery Trees", A. A. Al-Jaleel and J. G. Williamson, Hort. Dept., Univ. of Florida, Gainesville.
- 10:00 Discussion and Intermission
17. 10:30 "Climatic Influences on Flowering Dates of Valencia Oranges in Central Florida", L. G. Albrigo, M. H. Frasier and G. Hall, CREC, Univ. of Florida, Lake Alfred.
18. 10:45 "Evaporation and Wind: Friend or Foe in Cold Protection", J. D. Martsoff, Hort. Dept., Univ. of Florida, Gainesville.
19. 11:00 "The 1992 Statewide Citrus Management Survey", J. J. Ferguson and C. L. Taylor, Hort. Dept., Univ. of Florida, Gainesville.
20. 11:15 "International Research Linkages Benefit Florida Citrus Industry", W. J. Kender, CREC, Univ. of Florida, Lake Alfred.
21. 11:30 "Impact of Commercial Plant Disease Laboratories on the Florida Citrus Industry", T. A. Permar, Nokomis Corp., Altamonte Springs.

LUNCH (on your own)

Thursday P.M., October 21, 1993

22. 1:30 "Mitigation of the Threat of the Brown Citrus Aphid, Efficient Vector of Citrus Tristeza Virus, in Florida", R. K. Yokomi, USDA, ARS, Orlando.
23. 1:45 "Spread of Tristeza and the Brown Citrus Aphid in the Caribbean Basin — A Potential Dual Threat to the Florida Citrus Industry", T. R. Gottwald, S. M. Garnsey, and R. K. Yokomi, USDA, ARS, Orlando.
24. 2:00 "Occurrence of Severe Strains of Citrus Tristeza Virus and Citrus Blight in Registered Budwood Blocks in the Indian River", R. F. Lee and K. S. Derrick, CREC, Univ. of Florida, Lake Alfred; P. McClure and L. Ellis, Becker Groves, Ft. Pierce; and P. Rucks, Jack Berry Groves, LaBelle.
25. 2:15 "Progress on the Characterization and Control of Citrus Tristeza Virus", C. L. Niblett, H. R. Pappu, S. S. Pappu, V. J. Febres, and K. L. Manjunath, Plant Path. Dept., Univ. of Florida, Gainesville; and R. F. Lee, J. W. Grosser, and J. L. Schell, CREC, Univ. of Florida, Lake Alfred.

SECTIONAL WORKSHOP

2:30-4:00 Postbloom Fruit Drop Disease in Florida Groves

"Postbloom Fruit Drop—The Nature and Cycle of the Disease, Environmental Influence, Fungicidal Results, and the Incidence of the Disease in Central Florida", L. W. Timmer, CREC, Univ. of Florida, Lake Alfred.

"An Update on the Incidence of Postbloom Fruit Drop in the Indian River Area and Fungicidal Test Results", R. Sonoda, AREC, Univ. of Florida, Ft. Pierce.

"An Update on the Incidence of Postbloom Fruit Drop in Southwest Florida", B. McGovern, SWFREC, Univ. of Florida, Immokalee.

"An Update on the Incidence of Postbloom Fruit Drop in South Florida", R. T. McMillan, TREC, Univ. of Florida, Homestead.

Discussion

4:15 Annual Business Meeting (Grand Prize Drawing)

GARDEN & LANDSCAPE SECTION

Kathleen C. Ruppert, Vice President

Presiding

Wednesday A.M., October 20, 1993

26. 11:00 "Relandscaping South Dade County Following Hurricane Andrew", S. Ritter, Dade Co. Coop. Ext. Serv., Univ. of Florida, Homestead.
27. 11:15 "Impact of Hurricane Andrew on Ornamental Nursery Profitability in Dade County", D. L. Hull, Dade Co. Coop. Ext. Serv., Univ. of Florida, Homestead; and A. W. Hodges, FRED, Univ. of Florida, Gainesville.
28. 11:30 "Potential for Co-Composting of Landscape and Vegetable Wastes at Institutions with Food Service Facilities", R. Nordstedt, Agric. Eng., Univ. of Florida, Gainesville; and G. H. Brinen, Alachua Co. Coop. Ext. Serv., Univ. of Florida, Gainesville.

LUNCH (on your own)

Wednesday P.M., October 20, 1993

- 1:30 Sectional Business Meeting
29. 1:45 "Waste Stream Reduction Through On-Site Grass Clippings Recycling", M. L. Robinson and U. Schultz, Pinellas Co. Coop. Ext. Serv., Univ. of Florida, Largo.
30. 2:00 "Effectiveness of Several Mulching Methods for Organic Vegetable Gardening", S. R. Kostewicz, Hort. Dept., Univ. of Florida, Gainesville.
31. 2:15 "Development of a Master Composter Curriculum for Extension Educators", G. E. Fitzpatrick, FLREC, Univ. of Florida, Ft. Lauderdale; M. L. Lamberts, Dade Co. Coop. Ext. Serv., Univ. of Florida, Homestead; S. P. Brown, Hillsborough Co. Coop. Ext. Serv., Univ. of Florida, Seffner; S. Ritter and A. Rosenberger, Dade Co. Coop. Ext. Serv., Univ. of Florida, Homestead.
32. 2:30 "The Central Florida Research and Education Center "Master Researcher" Program", C. E. Conover, A. R. Chase, R. W. Henley, J. J. Haydu, R. J. Henny, L. S. Osborne, R. H. Stamps, D. J. Gray, and J. M. White, CFREC, Univ. of Florida, Apopka.
- 2:45 Discussion and Intermission
33. 3:15 "Last Year's Garden This Year", D. G. Burch, Horticultural Masterworks Co.; and E. W. Demmy, Triviss Technical Center, Lakeland.
34. 3:30 "Evaluation of Seed Geranium Cultivars for the Landscape", T. K. Howe and W. E. Waters, GCREC, Univ. of Florida, Bradenton.
35. 3:45 "Paclobutrazol - Induced Dwarfing of 'Valencia' Orange Trees", G. Yelenosky, C. V. J. Vu and M. G. Bausher, USDA, ARS, Orlando.
36. 4:00 "Culture of Banana-Lilies", D. L. Sutton, FLREC, Univ. of Florida, Ft. Lauderdale.

Thursday P.M., October 21, 1993

37. 1:30 "Promoting the Rapid Germination of Needle Palm Seed", W. J. Carpenter, E. R. Ostmark, and K. C. Ruppert, Dept. Environ. Science, Univ. of Florida, Gainesville.

- 38. 1:45 "The Black Olive (*Bucida buceras* L.), A Tropical Timber Tree, Has Many Faults as an Ornamental", J. F. Morton, Morton Collectanea, Univ. of Miami, Coral Gables.
- 39. 2:00 "Potential for Commercial Production of Tomatillo in Florida", D. N. Maynard, GCREC, Univ. of Florida, Bradenton.
- 40. 2:15 "Nephthytis Cultivars to Know and Grow", R. W. Henley, CFREC, Univ. of Florida, Apopka.

SECTIONAL WORKSHOP

(Held in Conjunction with Ornamentals Section)

2:30-4:00 Florida Native Plants

"Temperate Florida Native Plants", D. Drylie, Green Images, Christmas.

"Tropical Florida Native Plants", A. W. Meerow, FLREC, Univ. of Florida, Ft. Lauderdale

4:15 Annual Business Meeting (Grand Prize Drawing)

HANDLING AND PROCESSING SECTION

Alan R. Conklin, Vice President

Presiding

Wednesday A.M., October 20, 1993

- 41. 11:00 "Quality of 'Arkin' Carambola After Coating and Cold Treatments", W. R. Miller and R. E. McDonald, USDA, ARS, Orlando; and L. A. Grant, American Machinery Corp., Orlando.
- 42. 11:15 "Progress on Blossom End Clearing Studies", J. Burns and E. Escheverria, CREC, Univ. of Florida, Lake Alfred.
- 43. 11:30 "How to Reduce the Shrinkage Rate of Fresh Citrus Fruit by 60%", R. D. Hagenmaier and R. A. Baker, USDA, ARS, Winter Haven.
- 44. 11:45 "Possible Quarantine Treatments for Florida Commodities - Part Deux", G. J. Hallman, USDA, ARS, Miami.

LUNCH (on your own)

Wednesday P.M., October 20, 1993

- 1:30 Sectional Business Meeting
- 45. 1:45 "Color and Cloud Stability Improvement of Carrot Juice", C. Sims, M. Balaban, and R. Matthews, Food Sci. and Human Nutrition Dept., Univ. of Florida, Gainesville.
- 46. 2:00 "Evaluation of Sizer Technologies for Florida Citrus", W. M. Miller, CREC, Univ. of Florida, Lake Alfred.
- 47. 2:15 "Design and Development of a Portable Forced-Air Cooler", M. T. Talbot, Agric. Eng., Univ. of Florida, Gainesville.
- 48. 2:30 "Studies on Onion Seed Aging", Y. Mohamed-Yasseen, TREC, Univ. of Florida, Homestead.
- 2:45 Discussion and Intermission
- 49. 3:15 "Simultaneous Distillation-Solvent Extraction of Orange Juice Volatiles", R. F. Matthews and P. F. West, Food Sci. and Human Nutrition Dept., Univ. of Florida, Gainesville.
- 50. 3:30 "Evaluation of a Portable Sphere Spectrophotometer for the Measurement of Orange Juice Color", B. S. Buslig, Fla. Dept. of Citrus, Winter Haven.
- 51. 3:45 "Calcium-Mediated Postharvest Changes in Storageability and Fruit Quality of Peaches", C. O. Ochei and F. M. Basiouny, Dept. of Agricultural Sciences, Tuskegee University, Tuskegee, AL.

Thursday P.M., October 21, 1993

SECTIONAL WORKSHOP

(Held in Conjunction with Vegetable Section)

2:30-4:00 "Quality Arrivals at the Final Marketplace"

4:15 Annual Business Meeting (Grand Prize Drawing)

KROME MEMORIAL SECTION

Carlos F. Balerdi, Vice President

Presiding

Wednesday A.M., October 20, 1993

- 52. 11:00 "Selected Socio Economic Characteristics of Households and Wine Consumption in Florida", S. Leong and C. Ramirez, Center for Vitic. Sci., Florida A&M Univ., Tallahassee.
- 53. 11:15 "Impact of Hurricane Andrew on Tropical Fruit Acreage in Dade County, Florida", R. Terry, Florida Agric. Statistics Serv., Orlando.
- 54. 11:30 "Status of Solo 'Sunrise' Papaya as Host of the Caribbean Fruit Fly, *Anastrepha Suspensa* (Loew), in Both Field and Laboratory Conditions", R. Nguyen, S. Gillis and Don Harris, Div. of Plant Industry, Gainesville.
- 55. 11:45 "A Comparison of Three Formulations of Captain Fungicide on Strawberry", T. Crocker, Hort. Sci., Univ. of Florida, Gainesville; C. K. Chandler and A. J. Whidden, AREC, Univ. of Florida, Dover.

LUNCH (on your own)

Wednesday P.M., October 20, 1993

- 1:30 Sectional Business Meeting
- 56. 1:45 "Introgression of Seedless Characteristics from Bunch Grapes into Muscadine Grapes", J. Lu, Center for Vitic. Sci., Florida A&M Univ., Tallahassee.
- 57. 2:00 "Effects of Sucrose, ABA, and MGBC on Grape Somatic Embryogenesis", M. E. Compton and D. J. Gray, CFREC, Univ. of Florida, Leesburg.
- 58. 2:15 "Organogenesis in Tissue Cultures of *Averrhoa Carambola* L. 'Arkin', J. Griffis Jr., Florida Southern College, Lakeland; and R. E. Litz, TREC, Univ. of Florida, Homestead.
- 59. 2:30 "Storage Characteristics for 'Fuyu' Persimmons", S. A. Sargent and T. Crocker, Hort. Dept., Univ. of Florida, Gainesville.
- 2:45 Discussion and Intermission
- 60. 3:15 "Potential of Feijoa", R. Sharpe, W. B. Sherman and E. P. Miller, Hort. Dept., Univ. of Florida, Gainesville.
- 61. 3:30 "Effect of Tree Height on Tree Toppling and Survival after Hurricane Andrew", J. Crane, TREC, Univ. of Florida, Homestead; R. J. Campbell, Fairchild Tropical Garden, Miami; and C. F. Balerdi, Dade Co. Coop. Ext. Serv., Univ. of Florida, Homestead.
- 62. 3:45 "Is it Time to Develop a New System for Growing Strawberries in Florida", C. K. Chandler, AREC, Univ. of Florida, Dover.
- 63. 4:00 "Reoccurrence of Papaya Mosaic Virus in Florida", R. T. McMillan, Jr., TREC, Univ. of Florida, Homestead.

Thursday A.M., October 21, 1993

- 64. 10:30 "Effectiveness of Different Insecticides for the Control of Sweetpotato Whitefly, *Bemisia tabaci*, on Vegetable and Ornamental Crops in Southern Florida", D. R. Seal, R. M. Baranowski, and R. A. Blanton, TREC, Univ. of Florida, Homestead.

65. 10:45 "Lysimeter Study of Water Use for Young Blueberry Plants",
R. T. Pritchard, D. Z. Hamman, A. G. Smajstrla, F. S. Zazueta, Agric.
Eng., Univ. of Florida, Gainesville; and P. M. Lyrene, Hort. Dept., Univ. of
Florida, Gainesville.
66. 11:00 "Evaluation of Imidacloprid as a Management Tool of *Thrips palmi* on
Vegetable Crops in Southern Florida", D. R. Seal, R. M. Baranowski, and
J. D. Bishop, TREC, Univ. of Florida, Homestead.
67. 11:15 "Preliminary Analysis of South Florida Weeds for Surface-Occurring
Arthropods with Reference to *Thrips palmi* Karay", S. Broda-Hydorn, USDA,
Aphis, PPQ, Homestead; and D. R. Seal, TREC, Univ. of Florida, Homestead.

LUNCH (on your own)

Thursday P.M., October 21, 1993

SECTIONAL WORKSHOP

2:30-4:00 "Potential and Actual Hurricane Damage to Tropical Fruit Trees and Their
Subsequent Recovery"

P. Hebert, National Weather Service, Miami
J. Crane, TREC, Univ. of Florida, Homestead
C. F. Balerdi, Dade Co. Coop. Ext. Serv., Univ. of Florida, Homestead

4:15 Annual Business Meeting (Grand Prize Drawing)

ORNAMENTALS SECTION

Michael R. Evans, Vice President
Presiding

Wednesday A.M., October 20, 1993

68. 11:00 "Estimating Irrigation Requirements for Ornamental Fern in Florida",
A. G. Smajstrla, Agric. Eng., Univ. of Florida, Gainesville; and R. H. Stamps,
CFREC, Univ. of Florida, Apopka.
69. 11:15 "Relationship of Potential Evapotranspiration and Actual Vapotranspiration
of *Rhododendron sp.* 'Formosa'", R. C. Beeson, Jr., CFREC, Univ. of
Florida, Sanford.
70. 11:30 "Energy Requirements for Florida Ornamentals Production", R. C. Fluck,
C. D. Baird and B. S. Panesar, Agric. Eng., Univ. of Florida, Gainesville.
71. 11:45 "Algae Control in an Ebb and Flow Irrigation System", A. R. Chase and
C. A. Conover, CFREC, Univ. of Florida, Apopka.

LUNCH (on your own)

Wednesday P.M., October 20, 1993

- 1:30 Sectional Business Meeting
72. 1:45 "Comparative Effects of Growth Regulators on Leaf Development of
Caladium", S. E. Nixon, Auburn Univ., Auburn, AL; and G. J. Wilfret,
GCREC, Univ. of Florida, Bradenton.
73. 2:00 "Shading and Pot Color Influence Growth and Flowering of Strawberry
Firetails", S. E. Svenson, FLREC, Univ. of Florida, Ft. Lauderdale.
74. 2:15 "Photoperiod Affects Development of Axillary Meristems of *Liatris spicata*",
M. R. Evans, GCREC, Univ. of Florida, Bradenton.

Thursday A.M., October 21, 1993

75. 9:00 "Field Phenology of Red Ginger, *Alpinia purpurata*", J. D. Hansen,
USDA-ARS Subtropical Hort. Res. Station, Miami.

76. 9:15 "Preemergent Control of *Phyllanthus tenellus* and *Phyllanthus urinaria*", J. G. Norcini and J. H. Aldrich, NFREC, Univ. of Florida, Monticello.
77. 9:30 "Breeding of New *Hippeastrum* Cultivars Using Diploid Species. II. Evaluation of Second and Third Year Progeny and Prospective First Releases"; A. W. Meerow, T. K. Broschat, FLREC, Univ. of Florida, Ft. Lauderdale; and M. E. Kane, Dept. Environ. Hort., Univ. of Florida, Gainesville.
78. 9:45 "Comparative Effects of Growth Regulators on Potted Poinsettia", G. J. Wilfret, GCREC, Univ. of Florida Bradenton.
- 10:00 Discussion and Intermission
79. 10:30 "Lithium Toxicity Induced in Six Plant Species", R. J. Steinkamp, Florida Technical Services Manager, Fafard, Inc., Apopka.
80. 10:45 "Production Fertilizer and Postharvest Light Intensity Effects on Annuals in Interiors", C. A. Conover, CFREC, Univ. of Florida, Apopka.
81. 11:00 "Evaluation of Yard Waste Compost as a Potting Medium Amendment for Production of Potted *Ageratum*", T. J. MacCubbin, Orange Co. Coop. Ext. Serv., Univ. of Florida, Orlando; and R. W. Henley, CFREC, Univ. of Florida, Apopka.

LUNCH (on your own)

Thursday P.M., October 21, 1993

SECTIONAL WORKSHOP

(Held in Conjunction With Garden and Landscape Section)

2:30-4:00 Florida Native Plants

"Temperate Florida Native Plants", D. Drylie, Green Images, Christmas.

"Tropical Florida Native Plants", A. W. Meerow, FLREC, Univ. of Florida, Ft. Lauderdale.

4:15 Annual Business Meeting (Grand Prize Drawing)

VEGETABLE SECTION

Donald N. Maynard, Vice President
Presiding

Wednesday A.M., October 20, 1993

82. 11:00 "Trial Results for Tomato Release Candidates", J. W. Scott, GCREC, Univ. of Florida, Bradenton.

83. 11:15 "Identifying Polyploids of Various Cucurbits", F. McCuistion, Hort. Dept., Univ. of Florida, Gainesville; and G. W. Elmstrom, CFREC, Univ. of Florida, Leesburg.

84. 11:30 "Propagation of *Allium* spp. Through Bulb Production *In Vitro*", Y. Mohamed-Yasseen, T. L. Davenport, TREC, Univ. of Florida, Homestead; and W. E. Splittstoesser and R. Skrivin, Hort. Dept., Univ. of Illinois, Urbana, IL.

85. 11:45 "Influence of Age on Tipburn Susceptibility in 'Dark Green Boston' Lettuce", M. L. Stratton and R. T. Nagata, EREC, Univ. of Florida, Belle Glade.

LUNCH (on your own)

Student

Wednesday P.M., October 20, 1993

- 1:30 Sectional Business Meeting
86. 1:45 "The Effect of Selected Copper Bactericides on Population Dynamics of *Xanthomonas campestris* pv. *vesicatoria* (Xcv) on Tomato Leaflets", J. B. Jones, J. P. Jones, and S. S. Woltz, GCREC, Univ. of Florida, Bradenton.
87. 2:00 "Improving Yield of Cucumbers in Nematode Infested Soil by Using Transplants and Nematicides", H. Y. Hanna, P. D. Colyer, Red River Res. Sta., Louisiana Agric. Expt. Sta., LSU Agric. Center, Bossier City, LA; and T. L. Kirkpatrick, Southwest Res. and Ext. Center, Univ. of Arkansas, Hope, AR.
88. 2:15 "Management of Insect Pests of Squash", S. E. Webb, CFREC, Univ. of Florida, Leesburg.
89. 2:30 "Chemical Control of Twospotted Spider Mites in Strawberry", J. F. Price, GCREC, Univ. of Florida, Bradenton.
- 2:45 Discussion and Intermission
90. 3:15 "Influence and Soil pH, Nitrogen Source, and Transplant Drenches on Development of Crown Rot of Tomato", J. P. Jones, J. B. Jones, S. S. Woltz, and J. W. Scott, GCREC, Univ. of Florida, Bradenton.
91. 3:30 "Effect of Transplant Tray Type on the Incidence of Fusarium Crown and Root Rot of Tomato", R. J. McGovern and C. S. Vavrina, SWFREC, Univ. of Florida, Immokalee.
92. 3:45 "Non-cultural Factors Affecting Dade County Vegetable Production after Hurricane Andrew", M. L. Lamberts and H. H. Bryan, TREC, Univ. of Florida, Homestead.
93. 4:00 "Priming 'Solar Set' Tomato Seeds to Improve Germination at High Temperature", D. J. Cantliffe and Y. Abebe, Hort. Dept., Univ. of Florida, Gainesville.

Thursday A.M., October 21, 1993

94. 9:00 "Evaluation of Controlled-Release Urea for Fresh-Market Tomato, cv. Sunny, Grown in the Fully Enclosed Subsurface Irrigation System", A. A. Csizinszky, C. D. Stanley, and G. A. Clark, GCREC, Univ. of Florida, Bradenton.
95. 9:15 "Slow Release Fertilizer Rates for Strawberry Fruit Production", E. E. Albregts and C. K. Chandler, AREC, Univ. of Florida, Bradenton.
96. 9:30 "Potato Fertilization Demonstrations in the Tri-County Area of Northeast Florida", G. J. Hochmuth, E. A. Hanlon, G. Kidder, A. Tilton, J. Dilbeck, D. E. Schrader, and D. R. Hensel, Hort. Dept., Univ. of Florida, Gainesville.
97. 9:45 "Carrot and Sweet Corn Yields When Fertilized According to Soil Test Results", G. S. Crnko, Seminole Co. Coop. Ext. Serv., Univ. of Florida Sanford; A. Ferrer, Lake Co. Coop. Ext. Serv., Univ. of Florida, Tavares; E. A. Hanlon, Soil Sci. Dept., Univ. of Florida, Gainesville; C. A. Neal, Lake Co. Coop. Ext. Serv., Univ. of Florida, Tavares; and J. M. White, CFREC, Univ. of Florida, Sanford.
- 10:00 Discussion and Intermission
98. 10:30 "Containerized Production Using the Gradient Concept", C. M. Geraldson, GCREC, Univ. of Florida, Bradenton.
99. 10:45 "Water and Nitrogen Balance for Subirrigated Fresh-Market Bell Pepper Production", C. D. Stanley and G. A. Clark, GCREC, Univ. of Florida, Bradenton.
100. 11:00 "Growing Carrots in Sand Using Reclaimed Water and Drip Irrigation", J. M. White, CFREC, Univ. of Florida, Sanford.
101. 11:15 "Pole Bean Yield as Influenced by Composted Yard Waste Soil Amendments", S. R. Kostewicz, Hort. Dept., Univ. of Florida, Gainesville.
102. 11:30 "Effect of Amending Soil with Municipal Solid Waste (MSW) Compost on Germination Growth and Yield of Beans", M. Ozores-Hampton and H. H. Bryan, TREC, Univ. of Florida, Homestead.

LUNCH (on your own)

Thursday P.M., October 21, 1993

103. 1:30 "Surface vs. Subsurface Drip Irrigation of Tomatoes on a Sandy Soil", G. A. Clark, C. D. Stanley, and D. N. Maynard, GCREC, Univ. of Florida, Bradenton.
104. 1:45 "Drip Irrigation Energy Efficiency for Tomato Production in North Florida", A. G. Smajstrla, Agric. Eng., Univ. of Florida, Gainesville; B. F. Castro, Gadsden Co. Coop. Ext. Serv., Univ. of Florida, Quincy; and R. J. Musgrove, Big Bend Technologies Inc., Tallahassee.
105. 2:00 "Pan Evaporation Scheduling for Drip-Irrigated Tomato", S. J. Locascio, Hort. Dept., Univ. of Florida, Gainesville; and A. G. Smajstrla, Agric. Eng., Univ. of Florida, Gainesville.
106. 2:15 "Telogia Creek Irrigation Energy Conservation Demonstration on Mulched Staked Tomatoes", B. F. Castro, B. R. Durden, Gadsden Co. Coop. Ext. Serv., Univ. of Florida, Quincy; and S. M. Olson and F. M. Rhoads, NFREC, Univ. of Florida, Quincy.

SECTIONAL WORKSHOP

(Held in Conjunction with Handling and Processing Section)

2:30-4:00 "Quality Arrivals at the Final Marketplace

4:15 Annual Business Meeting (Grand Prize Drawing)

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Wed Am

- 11:00 - 41 Handling caran bola
- 11:15 - 84 student paper } Vegies
- 11:30 - 85 - allium invite }
- 11:45 - 72 - algae ornamentals

Wed PM - 11:30 sectional meeting - ornamentals
1:45 → } Krome section
2:45 }

3:30 - G+L group
3:45 - Citrus