Committee Meetings
Monday, January 14, 2008

1:30 – 2:15 pm  Burley Regional Evaluation Committee
2:15 – 3:00 pm  Flue-cured Variety Evaluation Committee
3:00 – 3:45 pm  Regional Growth Regulator Committee
3:45 – 4:30 pm  Tobacco Pesticide Committee
4:30 – 5:00 pm  Nominating Committee
5:00 – 5:30 pm  Resolutions
5:30 – 6:00 pm  Executive Committee

GENERAL OPENING SESSION
Tuesday, January 15, 2008

Presiding: Paul Sumner, University of Georgia

8:00

WELCOME TO GEORGIA
J. Scott Angle, Dean and Director
College of Agricultural and Environmental Sciences, Athens, GA

WELCOME FROM GEORGIA TOBACCO COMMISSION
Fred Wetherington
Georgia Agricultural Commodity Commission for Tobacco, Valdosta, GA

TOBACCO SCIENCE GOING ON THE WEB
David Shew
Department of Plant Pathology, North Carolina State University, Raleigh, NC

BENEFITS ASSOCIATED WITH IMPLEMENTING ON-FARM DEMONSTRATIONS FOR DISSEMINATION OF KNOWLEDGE AND AS PROJECTS FOR GRADUATE STUDENTS STUDYING TOBACCO PRODUCTION.
William Collins
Agricultural Research Service, NC State University, Raleigh, NC

AGROCHEMICAL RESIDUE SITUATION IN THE US
Barbara Martellini
Agricultural Affairs Manager, Imperial Tobacco, United Kingdom

PRODUCTIVITY IMPROVEMENTS IN FLUE CURED TOBACCO PRODUCTION FROM ABOUT 1950 UNTIL THE PRESENT.
Dr. Larry Sikes
Agricultural Engineer, Retired, Richmond, VA

9:50

General Announcements

10:00
Break

10:30
Split to Individual Sections
**Poster Session**  
Tuesday, January 15, 2008

100. PERFORMANCE OF MH-FREE SUCKER CONTROL PROGRAMS FOR BURLEY AND DARK TOBACCO. A. Bailey, R. A. Hill, T. W. Lax, University of Kentucky, Princeton, KY.

101. PLANT AND SOIL MONITORING AS A NITROGEN MANAGEMENT TOOL IN BURLEY TOBACCO. W. H. Frame¹, H. P. Denton¹, D. Peek², R. Pearce³, ¹University of Tennessee, Knoxville, TN, ²Virginia Tech University, Glade Spring, VA, ³University of Kentucky, Lexington, KY.

102. CORRELATION BETWEEN MULTIPLE MEASURES OF BURLEY LEAF NITROGEN STATUS. T. D. Reed, W. M. Tilson, G. Coffee, Virginia Tech University, Blackstone, VA.

103. EFFECTS OF VARIOUS MH APPLICATION RATES ON SUCKER CONTROL AND MH RESIDUES FROM CURED LEAF. T. Varnedore, S. W. Marchant, J. M. Moore, C. E. Troxell, University of Georgia Cooperative Extension, Hazlehurst, GA.

104. PRELIMINARY EFFORTS TO IDENTIFY QUANTITATIVE TRAIT LOCUS AFFECTING BLACK SHANK RESISTANCE IN A BEINHART-1000 × HICKS MAPPING POPULATION. V. Vontimitta, J. S. Nicholson, R. S. Lewis, North Carolina State University, Raleigh, NC.

105. EFFECT OF N FERTILIZATION AND VENTILATED CURING ON TSNA LEVEL IN BURLEY. H. P. Denton, L. Joseph, University of Tennessee, Knoxville, TN, Philip Morris USA, Richmond, VA.

106. THE DISAPPEARING FLUE-CURED STICK BARS OF NORTH CAROLINA. Clyde Sorenson and Loren Fisher, North Carolina State University, Raleigh, NC.

107. THRIPS MONITORING TO PREDICT TOMATO SPOTTED WILT INCIDENCE IN FLUE-CURED TOBACCO. Robert McPherson, University of Georgia, Tifton, GA.

108. TOBACCO MOSAIC VIRUS LOCAL LESION RESPONSE TO ACTIGARD IN BURLEY, FLUE-CURED, AND ORIENTAL TOBACCO. Venkatesan Parkunan, Charles S. Johnson, Sue A. Tolin, Jon D. Eisenback, Virginia Tech, Blackstone, VA.

109. EFFECT OF NITROGEN RATE AND CULTIVAR SELECTION ON BLUE MOLD INFECTION IN BURLEY TOBACCO. Kelly L. Ivors, Greg D. Hoyt, Dreama C. Milks, Anthony D. Cole, North Carolina State University, Fletcher, NC.


111. EVALUATION OF BURLEY VARIETIES AND MEFENOXAM APPLICATION FOR MANAGING BLACK SHANK IN THE NORTH WEST PIEDMONT OF NORTH CAROLINA. Tim Hambrick, Joanna Radford, Asimina Mila, John Radcliff, North Carolina State University, Winston Salem, NC.

112. EVALUATING NEW BURLEY VARIETIES FOR DISEASE RESISTANCE IN WESTERN NORTH CAROLINA. Stanley Holloway, E. Ayers, K. Ivors, North Carolina State University, Burnsville, NC.

113. APPLICATION METHODS OF ACTIGARD FOR CONTROL OF TOMATO SPOTTED WILT VIRUS ON TOBACCO. Curtis Fountain, Bryant Spivey, Asimina Mila, North Carolina State University, Kenansville, NC.
AGRONOMY
Tuesday, January 15, 2008

Effects of Production Practices on TSNA
Presiding: R. Pearce, University of Kentucky

10:30
1. EFFECT OF NITROGEN RATE AND CULTIVAR SELECTION ON BURLEY TOBACCO YIELD AND LEAF QUALITY. D.K. Rathbone, G. D. Hoyt, A. D. Cole, North Carolina State University, Fletcher, NC.

10:45
2. NITROGEN FERTILIZATION EFFECTS ON YIELD AND TSNA CONTENT OF BURLEY TOBACCO. M. R. Waynick, H. P. Denton, D. Peek, R. Pearce, Hail and Cotton Tobacco, Springfield, TN, University of Tennessee, Knoxville, TN, Virginia Tech, Glade Spring, VA, University of Kentucky, Lexington, KY.

11:00
3. EFFECTS OF BALE SIZE AND DENSITY ON TSNA LEVELS IN CURED BURLEY TOBACCO. V. Witcher, H. P. Denton, M. Velandia, University of Tennessee, Knoxville, TN.

11:15
4. INFLUENCE OF DOUBLE-CROP CURING PRACTICES ON LEAF CHEMISTRY OF DARK FIRE-CURED TOBACCO. W. D. Pitt, A. Bailey, University of Tennessee, Springfield, TN, University of Kentucky, Princeton, KY.

11:45 Lunch (on your own)

Genetic Improvement of Tobacco
Presiding: R. Lewis, North Carolina State University

1:15
6. THE EFFECT OF SCREENING AND SCREENING SYSTEMS ON NICOTINE TO NORNICOTINE CONVERSION IN BURLEY TOBACCO. A. Jack, X. Li, N. Fannin, L. Bush, University of Kentucky, Lexington, KY.

1:30

1:45
8. LOWERING THE NORNICOTINE CONTENT OF TOBACCO BY SCREENING FOR MUTATIONS IN THE NICOTINE DEMETHYLASE GENE. R. E. Dewey, R. S. Lewis, S. W. Bowen, North Carolina State University, Raleigh, NC.

2:00

2:15
10. AGRONOMIC PERFORMANCE AND TOBACCO CHEMISTRY EVALUATION OF TRANSGENIC DARK AND BURLEY LINES WITH SILENCED NICOTINE DIMETHYLASE GENE. M. Lusso, D. Xu, A. Bailey, F. Hart, D. Norman, G. Davis, M. Nielsen, GenApps, Inc., Winchester, KY, University of Kentucky, Lexington, KY.

2:30
11. TRANSFERABLE MICROSATellite MARKERS FOR INVESTIGATING GENETIC DIVERSITY AMONG AND WITHIN NICOTIANA SPECIES. H. Moon, R. S. Lewis, J. S. Nicholson, North Carolina State University, Raleigh, NC.

2:45
12. INVESTIGATING NICOTIANA RUSTICA AS A POTENTIAL SOURCE OF DISEASE RESISTANCE FOR CULTIVATED TOBACCO. J. M. Nifong, R. S. Lewis, J. S. Nicholson, North Carolina State University, Raleigh, NC.

3:00 Adjourn
AGRONOMY
Wednesday, January 16, 2008

Production Practices
Presiding: P. Denton. University of Tennessee

8:00

8:15
14. PRODUCTION PRACTICES TO IMPROVE YIELD AND PROFIT FROM BURLEY TOBACCO IN NORTH CAROLINA. L. R. Fisher, R. G. Parker, Z. G. Taylor, J. A. Priest, D. S. Whitley, North Carolina State University, Raleigh, NC.

8:30
15. POTENTIAL FOR USE OF SLOW RELEASE NITROGEN PRODUCTS FOR BURLEY TOBACCO PRODUCTION. R. Pearce, J. Zeleznik, University of Kentucky, Lexington, KY.

8:45
16. THE EFFECT OF SUBSURFACE TILLAGE ON YIELD AND COMPACTION IN BURLEY TOBACCO. E. Richey, R. C. Pearce, J. H. Grove, University of Kentucky, Lexington, KY.

9:00
17. EVALUATION OF TOPPING HEIGHTS AND BLOOM STAGES IN DARK FIRE-CURED TOBACCO. C. Rodgers, A. Bailey, D. Ferguson, Murray State University, Murray, KY, University of Kentucky, Princeton, KY

9:15
18. MANAGEMENT OF PRIOR GROUND COVER IN CONSERVATION TILLAGE BURLEY TOBACCO. J. L. Bryant, H. P. Denton, J. Morrison, G. Bates, Tennessee Department of Agriculture, Nashville, TN, University of Tennessee, Knoxville, TN.

9:30
19. PERFORMANCE OF EXPERIMENTAL HERBICIDES FOR WEED CONTROL IN CONSERVATION TILLAGE DARK TOBACCO. A. Bailey, R. C. Pearce, T. W. Lax, R. A. Hill, University of Kentucky, Princeton, KY.

9:45
20. EVALUATION OF A PROTOTYPE DISPOSABLE GREENHOUSE FLOAT TRAY CONSTRUCTED OF RECYCLED, BIODEGRADABLE MATERIAL. T. D. Reed, Virginia Tech University, Blackstone, VA.

10:00
Adjourn

12:00
Recognition Luncheon

3:30
Section Business Meeting

4:30
General Business Meeting

5:00
Adjourn
AGRONOMY
Thursday, January 17, 2008

Irrigation, Sucker Control and Chemical Residues

Presiding: D. Peek, Virginia Tech

8:30
21. IMPLEMENTATION OF "CROPSENSE" SOIL MOISTURE MEASURING TECHNOLOGY IN TOBACCO PRODUCTION. T. D. Reed, Virginia Tech University, Blackstone, VA.

9:00
22. MICROIRRIGATED TOBACCO: VeProLG/s SW TO PROJECT AND TUNE MICROIRRIGATION PLANTS. E. Bargiacchi, d.r., S. Miele, and M. Bertolacci, CONSORTIUM INSTM (Interuniversity National Consortium for Science and Technology of Materials), Pisa, Italy.

9:15
23. EVALUATION OF IRRIGATION AND NITROGEN RATES FOR YIELD AND QUALITY OF BURLEY TOBACCO. D. R. Peek, P. Blevins, Virginia Tech University, Glade Spring, VA.

9:30

9:45
25. A SURVEY OF MALEIC HYDRAZIDE RESIDUES FOUND IN CURED LEAF FROM THREE STALK POSITIONS SOLD BY GROWERS AT ONE RECEIVING STATION IN GEORGIA IN 2006. J. M. Moore, C. E. Troxell, M. G. Stephenson, S. S. LaHue, University of Georgia, Tifton, GA.

10:00 Break

10:30
26. EVALUATION OF MH FREE CHEMICALS FOR SUCKER CONTROL. G. Palmer, University of Kentucky, Lexington, KY.

10:45
27. A LOOK AT PESTICIDE RESIDUE RESEARCH AT NORTH CAROLINA STATE UNIVERSITY PAST AND PRESENT. R. G. Parker, L. R. Fisher, North Carolina State University, Raleigh, NC.

11:00

11:15 Adjourn
AGRICULTURAL ECONOMICS
Tuesday, January 15, 2008

Current Tobacco Situation and Outlook
Presiding: D. Jayson, Tobacco Merchants Association

10:30 Panel Discussion
Kelly Tiller, University of Tennessee, Knoxville, TN
Dixie Watts Reaves, Virginia Tech, Blacksburg, VA
Blake Brown, North Carolina State University, Raleigh, NC
Will Snell, University of Kentucky, Lexington, KY

12:00 Lunch (on your own)

Tobacco Production Economics
Presiding: D. Reaves, Virginia Tech

1:15 29. ECONOMIC FEASIBILITY OF MECHANIZATION: A HARVESTER INVESTMENT ANALYSIS. Margarita Velandia, University of Tennessee, Knoxville, TN.

1:40 30. LABOR AND CURING STRUCTURE COSTS IN NEW BURLEY PRODUCTION AREAS IN NORTH CAROLINA. Scott Schoulars, North Carolina Cooperative Extension Service, Reidville, NC.

2:05 31. DEVELOPING LABOR EDUCATION AND FINANCIAL MANAGEMENT EXTENSION EDUCATION IN THE POST BUYOUT ERA. Laura Powers, University of Kentucky, Lexington, KY.

2:30 32. EFFECTS OF THE TOBACCO BUYOUT ON PRODUCTION, FARMER ATTITUDES, AND FUTURE INTENTIONS IN NORTH CAROLINA. Robert Beach, RTI International, Durham, NC.

2:55 Adjourn
AGRICULTURAL ECONOMICS
Wednesday, January 16, 2008

The Changing Landscape of the Tobacco Industry
Presiding: K. Tiller, University of Tennessee

8:00  33. GLOBAL TRENDS: THE MASSIVE CONSOLIDATION OF THE WORLDWIDE CIGARETTE INDUSTRY. Darryl Jayson, Tobacco Merchants Association, Princeton, NJ.

8:25  34. PEERING INTO THE CRYSTAL BALL: THE TOBACCO INDUSTRY IN 2018. Scott Ballin, AHEAD, Washington, DC.

8:50  35. HARM REDUCTION, FDA REGULATION AND OTHER CHANGES IN CIGARETTE MANUFACTURING: IMPLICATIONS FOR TOBACCO FARMING. Blake Brown, North Carolina State University, Raleigh, NC.

9:15  36. THE EVOLVING U.S. TOBACCO FARM. Daniel Green, University of Tennessee, Knoxville, TN.

9:40 Break

The First Decade of the MSA
Presiding: W. Snell, University of Kentucky

10:00 37. THE U.S. MASTER SETTLEMENT AGREEMENT: TEN YEARS GONE. Darryl Jayson, Tobacco Merchants Association, Princeton, NJ.

10:20 38 THE KENTUCKY AGRICULTURAL DEVELOPMENT FUND. Keith Rogers, Frankfort, KY.

10:45 39. THE GOLDEN LEAF FOUNDATION. Valeria Lee, Rocky Mount, NC.

11:10 40. THE VIRGINIA TOBACCO INDEMNIFICATION AND REVITALIZATION COMMISSION. Neal Noyes, Richmond, VA

11:35 41. THE ONE GEORGIA AUTHORITY. Nancy Cobb, Dublin, GA

12:00 Recognition Luncheon

New Opportunities for Tobacco Growers
Presiding: D. Green, University of Tennessee

1:30  42. THE POTENTIAL FOR TOBACCO GROWERS TO PRODUCE ENERGY CROPS. Kelly Tiller, University of Tennessee, Knoxville, TN.

1:55  43. ECONOMICS AND APPLICATIONS OF TOBACCO BIOMASS FOR NON-CONVENTIONAL USES. Orlando Chambers, University of Kentucky, Lexington, KY.

2:20  44. NEW OPPORTUNITIES FOR GROWER COOPERATIVES. Brian Furnish, Burley Tobacco Growers Cooperative, Lexington, KY

2:40  45. COOPERATIVE ACTIVITIES ABSENT THE FEDERAL PROGRAM. Charlie Finch, Burley Stabilization Corporation, Knoxville, TN

2:55 Break

3:30 Section Business Meeting

4:30 General Business Meeting

5:00 Adjourn
AGRICULTURAL ENGINEERING
Tuesday, January 15, 2008

Burley Mechanization

Presiding: T. Bridges, University of Kentucky

10:30  46. PAST AND POTENTIAL LABOR REDUCTIONS AND ECONOMIC IMPACT OF VARIOUS BURLEY EQUIPMENT AND FACILITY OPTIONS. John Wilholt, George Duncan and Larry Wells, University of Kentucky, Lexington, KY.

10:45  47. FIELD PRODUCTIVITY OF A MECHANIZED BURLEY HARVESTING SYSTEM. Larry G. Wells, Tim D. Smith, George B. Day V, and Michael Harpring, University of Kentucky, Lexington, KY.

11:00  48. FRENCH BARN ONE TIER CURING SYSTEM - A 2006 ECONOMIC ANALYSIS TO EVALUATE THIS SYSTEM FOR BURLEY TOBACCO PRODUCTION IN MARYLAND. David L. Conrad and Benjamin Beale, University of Maryland - Maryland Cooperative Extension, Upper Marlboro, MD.

11:15  49. A POST-FRAME BURLEY TOBACCO CURING STRUCTURE FOR WIRE-FRAME RACKS. John M. Long, Department of Biological and Agricultural Engineering, North Carolina State University, Raleigh, NC.

11:30  Lunch (on your own)

AGRICULTURAL ENGINEERING
Tuesday, January 15, 2008

Flue Cured Curing Strategies

Presiding: G. Ellington, North Carolina State University

1:15  50. ON-FARM VENTILATION CONTROL AND FUEL CONSUMPTION COMPARISONS. Grant Ellington, North Carolina State University, Raleigh, NC.

1:30  51. CURING EFFICIENCY STUDIES IN SOUTH CAROLINA. Dewitt T. Gooden, David Gunter, Greg Harvey, Bruce Johnson, Carlin Munnerlyn, and Jody Martin, Clemson University, Florence, SC.

1:45  52. ON FARM CURING CONTROLLER AND FUEL COMPARISON IN GEORGIA. Paul E. Sumner and J. Michael Moore, University of Georgia, Tifton, GA.

2:00  53. CURING TOBACCO WITH A UNIQUE WASTE-WOOD HOT WATER HEATING SYSTEM. Michael D. Boyette, North Carolina State University, Raleigh, NC.

2:15  54. THE DESIGN, CONSTRUCTION, AND TESTING OF ADVANCED FLUE-CURED BARNS. Justin Macialek, North Carolina State University, Raleigh, NC.

2:30  55. CAN ALTERNATIVE FUELS REPLACE CRUDE OIL FUELS? William Given and J. Micheal Moore, University of Georgia, Athens, GA.

2:45  Break

AGRICULTURAL ENGINEERING
Wednesday, January 16, 2008

12:00  Recognition Luncheon

3:30  Section Business Meetings

4:30  General Business Meeting

5:00  Adjourn
AGRICULTURAL ENGINEERING
Thursday, January 17, 2008

Burley & Flue-Cured Mechanization
Presiding: P. Sumner, University of Georgia

8:30

56. THE IMPORTANCE OF MOISTURE TIMELINESS FOR OPTIMAL BURLEY QUALITY. Thomas C. Bridges and Linus R Walton, University of Kentucky, Lexington, KY.

9:00

57. EVALUATION OF A MOISTURE METER FOR CURED BURLEY LEAF SAMPLES. George Duncan, Wiley Henson, and John Wilholt, University of Kentucky, Lexington, KY.

9:15

58. PERFORMANCE OF MECHANICAL BURLEY STRIPPING INNOVATIONS. George Duncan, John Wilholt, and Larry Wells, University of Kentucky, Lexington, KY.

9:30

59. DESIGN OF A PNEUMATIC BALING SYSTEM FOR BURLEY AND FLUE-CURED TOBACCO. Robert D. Boaz, North Carolina State University, Raleigh, NC.

9:45

60. REDUCED MECHANICAL TRANSMISSION OF RALSTONIA SOLANACEARUM USING A MODIFIED HARVESTER. Bruce Fortnum and Roy Dodd, Clemson University, Florence, SC.

10:00

61. OPTICAL AND THERMAL METHODS OF DETECTING PLANT DAMAGE CAUSED BY DISEASE. Bryan Maw, Micheal G. Stephenson, Glenn Ritchie, and Stephen W. Mullis, University of Georgia, Tifton, GA and Steven J. Thompson, USDA, Stoneville, MS.

10:15

Adjourn
### ENTOMOLOGY
Tuesday, January 15, 2008

**Insect Management in Tobacco**  
*Presiding: P. Semtner, Virginia Tech*

<table>
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<th>Time</th>
<th>Session Title</th>
<th>Presenters and Affiliations</th>
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<tr>
<td>10:30</td>
<td>62. INFLUENCE OF COVER CROP AND CONSERVATION TILLAGE PRACTICES ON POPULATIONS OF GREEN PEACH APHIDS, TOBACCO FLEA BEETLES AND GROUND BEETLES IN FLUE-CURED TOBACCO.</td>
<td>P. J. Semtner, D. Reed, L. Srigiriraju, Virginia Tech, Blackstone, VA.</td>
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<td>11:00</td>
<td>64. MONITORING OF GEORGIA FLUE-CURED TOBACCO FIELDS FOR TOBACCO SPLITWORM MOTHS.</td>
<td>J. T. Flanders, M. D. Waldron, D. E. McGriff, J. M. Moore, R. M. McPherson, S. N. Brown, D. C. Jones, University of Georgia, Nashville, GA.</td>
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<td>11:15</td>
<td>65. THE TOBACCO SPLITWORM: ESCALATING SIGNIFICANCE IN NORTH CAROLINA TOBACCO.</td>
<td>C. E. Sorenson, J. Lawrence, North Carolina State University, Raleigh, NC.</td>
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<td>11:30</td>
<td>66. FUTURE RESEARCH AND EXTENSION ENTOMOLOGY PROGRAMS IN NORTH CAROLINA.</td>
<td>H. J. Burrack, North Carolina State University, Raleigh, NC.</td>
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<td>11:45</td>
<td>Lunch (on your own)</td>
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ENTOMOLOGY
Wednesday, January 16, 2008
Joint Session of Entomology and the Tobacco Disease Council
Spotted Wilt Virus Symposium

Presiding: F. Reay-Jones, Clemson University

8:00  67. IMIDACLOPRID INSECTICIDES TO CONTROL TOMATO SPOTTED WILT AND INSECT PESTS ON TOBACCO IN SOUTH CAROLINA. Francis P. F. Reay-Jones, B. A. Fortnum, and D. T. Gooden, Clemson University, Florence, SC.

8:15  68. EVALUATION OF IMIDACLOPRID FORMULATIONS, THIAMETHOXAM, AND ACTIGARD FOR SUPPRESSION OF TOMATO SPOTTED WILT VIRUS IN FLUE-CURED TOBACCO. J. Michael Moore, D. C. Jones, R. M. McPherson, T. Varnedore, and C. E. Troxell, University of Georgia, Tifton, GA.

8:30  69. COMPARING ADMIRE PRO 4.6SC (IMIDACLOPRID) TO T-MOXX (THIAMETHOXAM) ON CONTROL OF VARIOUS INSECTS AND TOMATO SPOTTED WILT VIRUS SUPPRESSION IN FLUE-CURED TOBACCO. T. Varnedore, D. C. Jones, H. S. Young, University of Georgia, Tifton, GA, and Bayer Crop Science, Tifton, GA.

8:45  70. COMPARING DIFFERENT WATER RATES USED IN RINSING OFF ADMIRE PRO 4.6SC TREATED FLUE-CURED TOBACCO TRANSPLANTS IN THE GREENHOUSE TO SUPPRESS INSECTS AND TOMATO SPOTTED WILT VIRUS. D. C. Jones, T. Varnedore, H. Young, University of Georgia, Mt. Vernon, GA and Bayer Crop Science, Tifton, GA.

9:00  71. EFFECT OF IMIDACLOPRID RATE ON REDUCTION OF SPOTTED WILT IN FLUE-CURED TOBACCO. M. von Waldner, P. Bertrand, E. Griffen, J. Clark, F. Connelly, University of Georgia, Pearson, GA.

9:15  72. TREATMENTS FOR MANAGING SPOTTED WILT IN TOBACCO GROWN FROM BARE ROOT TRANSPLANTS. J. Price, P. Bertrand, J. Smith, B. Tucker, University of Georgia, Valdosta, GA.

9:30  73. EFFECT OF TRANSPLANT AGE, ACIBENZOLAR-S-METHYL AND IMIDACLOPRID ON TOMATO SPOTTED WILT INCIDENCE IN FUL-EURED TOBACCO. Claudia Nischwitz, A.S. Csinos, S.W. Mullis, L.L. Hickman, R.D. Gita-titis University of Georgia, Tifton, GA.

9:45  74. PHYTOTOXIC EFFECTS AND SUPPRESSION OF TOMATO SPOTTED WILT VIRUS USING VARIATIONS OF RECOMMENDED CONTROL MANAGEMENT PRACTICES IN FLUE-CURED TOBACCO. Kathryn Cherry, Asimina Mila, NC State University, Raleigh, NC.

10:00 Break

10:30 75. FIELD SPRAY PROGRAMS AND SPOTTED WILT MANAGEMENT FOR FLUE-CURED TOBACCO. J. Jacobs, P. Bertrand, University of Georgia, Blackshear, GA.

10:45 76. IMPACTS OF EARLY-SEASON THRIPS MONITORING AND POPULATION SUPPRESSION ON THE INCIDENCE OF SPOTTED WILT IN FLUE-CURED TOBACCO. R. M. McPherson, University of Georgia, Tifton, GA.

11:00 77. TIMING POST-TRANSPLANT APPLICATIONS OF ACTIGARD (actibenzo-lar-S-methyl) BASED ON PREDICTIONS OF TOBACCO THRIPS FLIGHTS FROM WEATHER-BASED REGRESSION MODELS REDUCES TSWV INCIDENCE IN FLUE-CURED TOBACCO. Shannon C. Morsello, Clyde E. Sorenson, George G. Kennedy, NC State University, Raleigh NC.

11:30 78. EFFECT OF STRIP-TILLAGE ON THE INCIDENCE OF SPOTTED WILT IN FLUE-CURED TOBACCO. E. McGiff, P. Bertrand, S. Brown, J.M. Moore, R. McPherson, S. LaHue, M. Stevenson, University of Georgia, Douglas, GA.

11:45 Adjourn
12:00 Recognition Luncheon
Preliminary Program

**Spotted Wilt Virus Symposium (continued)**

*Presiding: K. Ivors, North Carolina State University*

1:30  
**79. ANALYSIS OF CHEMICAL AND SPATIAL EFFECTS ON TOMATO SPOTTED WILT VIRUS AND YIELD IN TOBACCO.**  
Stephen W. Mullis, A.S.Csinos, C.Nischwitz, L.L.Hickman, R.Gitaitis, University of Georgia, Tifton, GA.

1:45  
**80. CORRELATION OF SOIL FERTILITY VALUES WITH LEVELS OF TOMATO SPOTTED WILT VIRUS IN TOBACCO.**  
R.D.Gitaitis, C. Nischwitz, S.W. Mullis, A.S.Csinos, D. Burrell, M. Pearce University of Georgia, Tifton, GA.

2:00  
**81. NATURAL INFECTIONS OF TOMATO SPOTTED WILT VIRUS (TSWV) AND IMPATIENS NECROTIC SPOT VIRUS (INSV) FOUND IN WEEDS AROUND TOBACCO FIELDS DURING A THREE-YEAR SURVEY IN GEORGIA.**  
N.Martinez-Ochoa, A.S.Csinos, S.W.Mullis, T.M.Webster, P.Bertrand, M.J.Cook, J.T.Flanders, and M.von Waldner, University of Georgia, Tifton, GA.

2:15  
**82. ESTABLISHMENT, DEVELOPMENT AND EPIDEMIOLOGY OF TSWV IN NORTH CAROLINA.**  
Asimina Mila, NC State University, Raleigh, NC.

2:30  
**83. REVIEW OF TOMATO SPOTTED WILT PROBLEMS IN THE US TOBACCO BELT.**  
J. Michael Moore, University of Georgia, Tifton, GA.

2:45  
Break

3:30  
Section Business Meeting

4:30  
General Business Meeting

5:00  
Adjourn

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**ENTOMOLOGY**

*Thursday, January 17, 2008*

**Review of Insecticide Recommendations**

*Presiding: C. Sorenson, North Carolina State University*

8:30  
This is a closed session – University and Extension personnel only
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<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tr>
<td>10:30</td>
<td>84. INVESTIGATING THE POPULATION BIOLOGY OF THE TOBACCO BLACK SHANK PATHOGEN, PHYTOPHTHORA NICOTIANAE.</td>
<td>Kelly Ivors, M.D., Green, C.A. Gallup, H.D. Shaw, NC State University, Raleigh, NC.</td>
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<tr>
<td>10:50</td>
<td>85. DISTRIBUTION OF RACES AND MATING TYPES OF PHYTOPHTHORA NICOTIANAE, THE CAUSAL AGENT OF BLACK SHANK OF TOBACCO, IN NORTH CAROLINA.</td>
<td>Courtney A. Gallup, H. David Shew, NC State University, Raleigh, NC.</td>
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<td>11:05</td>
<td>86. COMPONENTS OF RESISTANCE TO PHYTOPHTHORA NICOTIANAE IN TOBACCO WITH THE FLA 301 RESISTANCE GENES.</td>
<td>H. David Shew &amp; Charles Johnson, NC State Univ., Raleigh, NC &amp; Va Tech.</td>
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<td>11:20</td>
<td>87. IMPROVED BLACK SHANK RESISTANCE IN BURLEY TOBACCO Varieties.</td>
<td>Robert D. Miller, University of Kentucky and University of Tennessee, Lexington, KY.</td>
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<tr>
<td>11:35</td>
<td>88. RACE DETERMINATIONS OF BLACK SHANK USING FIELD GROWN TOBACCO CULTIVAR INDICATORS A.S. Csinos, Lara Lee Hickman, Lewis Mullis, University of Georgia, Tifton, GA</td>
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<tr>
<td>11:50</td>
<td>Lunch (on your own)</td>
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<tr>
<td>1:15</td>
<td>89. RIDOMIL GOLD FOR BLACK SHANK CONTROL ON BURLEY AND FLUE-CURED TOBACCO VARIETIES.</td>
<td>Chuck Johnson, Virginia Tech, Blackstone, VA.</td>
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<td>1:30</td>
<td>90. PHOSPHOROUS ACID PRODUCTS AND AZOXYSTROBIN FOR CONTROL OF BLACK SHANK OF TOBACCO.</td>
<td>Steven C. Bost, Steve E. Walker, University of Tennessee, Knoxville, TN.</td>
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<td>1:45</td>
<td>91. EVALUATION OF BRASSICA ROTATION FOR MANAGEMENT OF TOBACCO BLACK SHANK.</td>
<td>A.S. Csinos, Lewis Mullis, Lara Lee Hickman, University of Georgia, Tifton, GA.</td>
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<tr>
<td>2:00</td>
<td>Open Discussion</td>
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<tr>
<td>3:00</td>
<td>Break</td>
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**Blue Mold**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30</td>
<td>92. TRACKING REGIONAL MIGRATIONS OF THE TOBACCO BLUE MOLD PATHOGEN PERONOSPORA TABACINA USING GENE GENEALOGIES.</td>
<td>Monica Blanco, Jean Ristaino, Ignazio Carbone, NC State University, Raleigh, NC.</td>
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<tr>
<td>3:45</td>
<td>93. A REAL-TIME PCR METHOD FOR DETECTION OF PERONOSPORA TABACINA IN TOBACCO.</td>
<td>Jean Beagle Ristano and Monica Blanco, NC State University, Raleigh, NC.</td>
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<td>4:00</td>
<td>94. SOME NOTES ON THE BIOLOGY AND HOST RANGE OF THE TOBACCO BLUE MOLD PATHOGEN.</td>
<td>Harvey W. Spurr, Jr, NC State University, Raleigh, NC.</td>
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<tr>
<td>4:15</td>
<td>Adjourn</td>
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</table>
TOBACCO DISEASE COUNCIL
Wednesday, January 16, 2008

Joint Session of the Tobacco Disease Council and Entomology

Spotted Wilt Virus Symposium

Presiding: F. Reay-Jones, Clemson University

8:00

67. IMIDACLOPRID INSECTICIDES TO CONTROL TOMATO SPOTTED WILT AND INSECT PESTS ON TOBACCO IN SOUTH CAROLINA. Francis P. F. Reay-Jones, B. A. Fortnum, and D. T. Gooden, Clemson University, Florence, SC.

8:15

68. EVALUATION OF IMIDACLOPRID FORMULATIONS, THIAMETHOXAM, AND ACTIGARD FOR SUPPRESSION OF TOMATO SPOTTED WILT VIRUS IN FLUE-CURED TOBACCO. J. Michael Moore, D. C. Jones, R. M. McPherson, T. Varnedore, and C. E. Troxell, University of Georgia, Tifton, GA.

8:30

69. COMPARING ADMIRE PRO 4.6SC (IMIDACLOPRID) TO T-MOXX (THIAMETHOXAM) ON CONTROL OF VARIOUS INSECTS AND TOMATO SPOTTED WILT VIRUS SUPPRESSION IN FLUE-CURED TOBACCO. T. Varnedore, D. C. Jones, H. S. Young, University of Georgia, Tifton, GA, and Bayer Crop Science, Tifton, GA.

8:45

70. COMPARING DIFFERENT WATER RATES USED IN RINSING OFF ADMIRE PRO 4.6SC TREATED FLUE-CURED TOBACCO TRANSPLANTS IN THE GREENHOUSE TO SUPPRESS INSECTS AND TOMATO SPOTTED WILT VIRUS. D. C. Jones, T. Varnedore, H. Young, University of Georgia, Mt. Vernon, GA and Bayer CropScience, Tifton, GA.

9:00

71. EFFECT OF IMIDACLOPRID RATE ON REDUCTION OF SPOTTED WILT IN FLUE-CURED TOBACCO. M. von Waldner, P. Bertrand, E. McGriff, J. Clark, F. Connelly, University of Georgia, Pearson, GA.

9:15

72. TREATMENTS FOR MANAGING SPOTTED WILT IN TOBACCO GROWN FROM BARE ROOT TRANSPLANTS. J. Price, P. Bertrand, J. Smith, B. Tucker, University of Georgia, Valdosta, GA.

9:30

73. EFFECT OF TRANSPLANT AGE, ACIBENZOLAR-S-METHYL AND IMIDACLOPRID ON TOMATO SPOTTED WILT INCIDENCE IN FULE-CURED TOBACCO. Claudia Nischwitz, A.S. Csinos, S.W. Mullis, L.L. Hickman, R.D. Gitaitis University of Georgia, Tifton, GA.

9:45

74. PHYTOTOXIC EFFECTS AND SUPPRESSION OF TOMATO SPOTTED WILT VIRUS USING VARIATIONS OF RECOMMENDED CONTROL MANAGEMENT PRACTICES IN FLUE-CURED TOBACCO. Kathryn Cherry, Asimina Mila, NC State University, Raleigh, NC.

10:00

Break

10:30

75. FIELD SPRAY PROGRAMS AND SPOTTED WILT MANAGEMENT FOR FLUE-CURED TOBACCO. J. Jacobs, P. Bertrand, University of Georgia, Blackshear, GA.

10:45

76. IMPACTS OF EARLY-SEASON THRIPS MONITORING AND POPULATION SUPPRESSION ON THE INCIDENCE OF SPOTTED WILT IN FLUE-CURED TOBACCO. R. M. McPherson, University of Georgia, Tifton, GA.

11:00

77. TIMING POST-TRANSPLANT APPLICATIONS OF ACTIGARD (actibenzolar-S-methyl) BASED ON PREDICTIONS OF TOBACCO THRIPS FLIGHTS FROM WEATHER-BASED REGRESSION MODELS REDUCES TSWV INCIDENCE IN FLUE-CURED TOBACCO. Shannon C. Morsello, Clyde E. Sorenson, George G. Kennedy, NC State University, Raleigh NC.

11:30

78. EFFECT OF STRIP-TILLAGE ON THE INCIDENCE OF SPOTTED WILT IN FLUE-CURED TOBACCO. E. McGriff, P. Bertrand, S. Brown, J. M. Moore, R. McPherson, S. LaHue, M. Stevenson, University of Georgia, Douglas, GA.

11:45

Adjourn

12:00

Recognition Luncheon
43rd Tobacco Workers’ Conference  
January 14-17, 2008  

Preliminary Program (11/24/07)

Spotted Wilt Virus Symposium (continued)  
Presiding: K. Ivors, North Carolina State University

1:30  
79. ANALYSIS OF CHEMICAL AND SPATIAL EFFECTS ON TOMATO SPOTTED WILT VIRUS AND YIELD IN TOBACCO.  
Stephen W. Mullis, A.S. Csinos, C. Nischwitz, L.L. Hickman, R. Gitaitis, University of Georgia, Tifton, GA.

1:45  
80. CORRELATION OF SOIL FERTILITY VALUES WITH LEVELS OF TOMATO SPOTTED WILT VIRUS IN TOBACCO.  
R.D. Gitaitis, C. Nischwitz, S.W. Mullis, A.S. Csinos, D. Burrell, M. Pearce University of Georgia, Tifton, GA.

2:00  
81. NATURAL INFECTIONS OF TOMATO SPOTTED WILT VIRUS (TSWV) AND IMPATIENS NECROTIC SPOT VIRUS (INSV) FOUND IN WEEDS AROUND TOBACCO FIELDS DURING A THREE-YEAR SURVEY IN GEORGIA.  
N. Martinez-Ochoa, A. S. Csinos, S.W. Mullis, T.M. Webster, P. Bertrand, M.J. Cook, J.T. Flanders, and M. von Waldner, University of Georgia, Tifton, GA.

2:15  
82. ESTABLISHMENT, DEVELOPMENT AND EPIDEMIOLOGY OF TSWV IN NORTH CAROLINA.  
Asimina Mila, NC State University, Raleigh, NC.

2:30  
83. REVIEW OF TOMATO SPOTTED WILT PROBLEMS IN THE US TOBACCO BELT.  
J. Michael Moore, University of Georgia, Tifton, GA.

2:45 Break

3:30  
Section Business Meeting

4:30  
General Business Meeting

5:00 Adjourn

TOBACCO DISEASE COUNCIL  
Thursday, January 17, 2008

Tobacco Diseases  
Presiding: A. Gevens, University of Florida

8:30  
95. INFLUENCE OF ACTIGARD AND PLANT GROWTH PROMOTING RHIZOBACTERIA ON TOBACCO GROWTH AND REPRODUCTION OF TOBACCO CYST NEMATODE.  
Venkatesan Parkunan, Charles S. Johnson, Jon D. Eisenback, VPI, Blackstone, VA

8:45  
96. PROGRESS IN DEVELOPING ROOT-KNOT NEMATODE RESISTANCE IN TOBACCO.  
J.R. Rich, University of Florida, Quincy, FL.

9:00  
97. EFFECT OF APPLICATION TIMING ON THE PERFORMANCE OF AZOXYSTROBIN AGAINST TARGET SPOT ON BURLEY TOBACCO.  
Kenneth W. Seebold, Jr., University of Kentucky, Lexington, KY

9:15  
98. AVOIDANCE OF MECHANICAL TRANSMISSION OF BACTERIAL WILT USING A MODIFIED TOPPER.  
Bruce Fortnum, Roy Dodd, Asimina Mila, Clemson University, Florence, SC

9:30  
99. GENETIC DIVERSITY OF A RALSTONIA SOLANACEARUM POPULATION FROM BURLEY TOBACCO IN NORTH CAROLINA.  
Sara Alayli, Asimina Mila, D. Ritchie, NC State University, Raleigh, NC

9:45 Break

Tobacco Diseases  
Presiding: A. Csinos, University of Georgia

10:30 State Disease Loss Updates:  
Florida -- A. Gevens  
S. Carolina -- B. Fortnum  
Tennessee -- S. Bost  
Virginia -- C. Johnson  
Georgia -- P. Bertrand  
N. Carolina -- A. Mila  
Kentucky -- K. Seebold  
Others

12:00 Adjourn