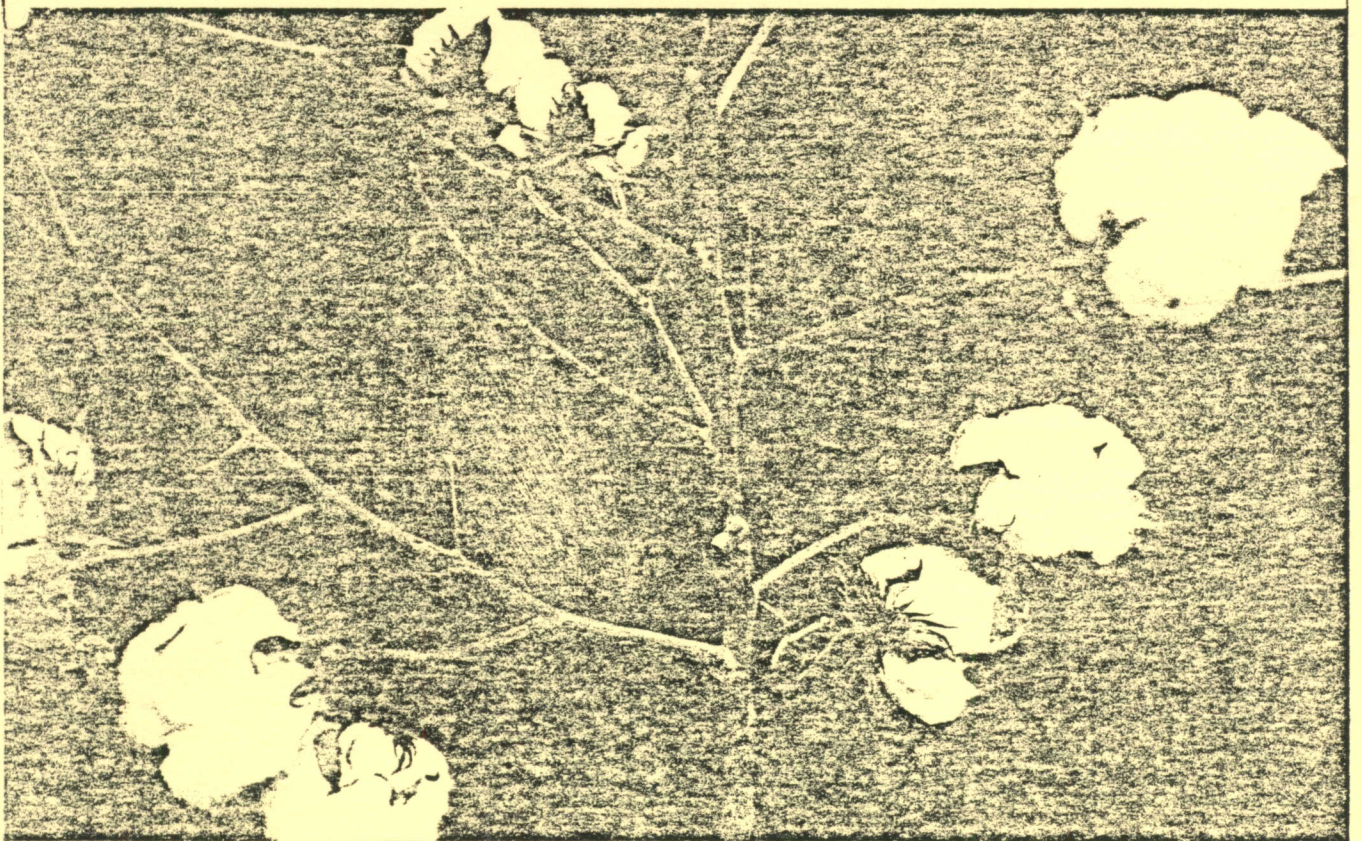


# 1981 Regional Cotton Fusarium Wilt Report



January, 1982

Department of Agronomy and Soils  
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Alabama Agricultural Experiment Station  
Auburn University, Alabama  
Gale A. Buchanan, Director



# 1981 REGIONAL COTTON FUSARIUM WILT REPORT<sup>1</sup>

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Cultivars and elite breeding lines submitted by 26 cooperators were evaluated for fusarium wilt resistance under field conditions at the Plant Breeding Unit, Tallassee, Alabama. The soil at this site is a Wickham sandy loam highly infested with both the fusarium wilt fungus [Fusarium oxysporum Schlect. f. vasinfectum (Atk.) Snyder. & Hans.] and root-knot nematodes (Meloidogyne spp.).

Plots were single 40-inch rows, 30 feet in length, separated by 6-foot alleys and replicated four times. All entries were arranged in a systematic design. 'Rowden' and 'McNair 235' were used as the susceptible and the resistant gradient checks, respectively. Rowden was planted in row 5 (15, 25, ..., 305) and McNair 235 in row 10 (20, 30, ..., 310) and then in every tenth row thereafter throughout the test.

Plots were planted May 5, then thinned to three or four plants per foot on May 26. Initial live plant counts were made on June 24. Little wilting occurred until mid-July. Just prior to the first scheduled wilt counts, this test was sprayed with MSMA and a considerable number of the plants were damaged. Some plants, especially in the susceptible check rows, displayed considerable wilting at the time of herbicide application. However, within a week after spraying, differences between wilt and herbicide-damaged plants could not be distinguished. On July 23 and 24 all plants with foliar damage

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<sup>1</sup>This is a progress report for information and guidance of cooperators, the interpretation of which may be modified with additional experimentation.

<sup>2</sup>Research Plant Pathologist, USDA-ARS, and Adjunct Associate Professor, Department of Agronomy and Soils.

of any type were removed; therefore, actual wilting incidence was greater than the data indicate. Wilted plants were counted and removed on August 20, September 1, and 17, then remaining live plant counts were taken on September 21. Percent of wilted plants per plot was determined based on the above counts, then mean wilting for each entry was calculated.

Mean wilting for Rowden over the 124 rows evaluated was only 43.5%. This low percentage is probably due to the loss of early data because of herbicide damage. Wilting in Rowden varied from 0 to 100%. In contrast, only 2.5% of the plants of the resistant check, McNair 235, wilted. Wilting in this check ranged from 0 to 20%. Due to the loss of early information and the large amount of variability of the susceptible check, wilt expression of a given entry should be compared with that of the closest check rows.

Entries submitted by W. C. Johnson are commonly grown cultivars or highly advanced materials; therefore, these are listed by name. Entries submitted by other cooperators are listed by codes. Additional information regarding the genetic background of a specific coded entry should be obtained from the given cooperator.

## Regional Cotton Fusarium Wilt Test Results, 1981

Plant Breeding Unit, Tallassee, Alabama

Test entry designation	Percent wilt by replication				Mean
	1	2	3	4	
Roger G. Ward, Delta & Pine Land Co., Tulare, California					
RGW-1	1.8	7.1	6.1	0.0	3.8
RGW-2	0.0	0.0	0.0	3.3	0.8
RGW-3	7.4	3.7	35.7	2.2	12.2
RGW-4	3.4	5.6	25.8	12.1	11.7
Rowden	11.9	82.1	75.0	69.0	59.5
RGW-5	1.6	1.7	10.2	2.5	4.0
RGW-6	0.0	0.0	30.8	1.3	8.0
RGW-7	2.0	0.0	81.8	0.0	21.0
Robert R. Bridge, Miss. State Univ., Stoneville, Mississippi					
RRB-1	2.6	0.0	3.2	15.7	5.4
McNair 235	0.0	0.0	0.0	2.0	0.5
RRB-2	0.0	3.8	0.0	5.7	2.4
RRB-3	0.0	6.1	0.0	2.2	2.1
RRB-4	0.0	0.0	0.0	1.2	0.3
RRB-5	0.0	4.0	0.0	0.0	1.0
Rowden	2.4	85.1	12.5	44.2	36.0
RRB-6	1.9	1.9	5.7	4.9	3.6
RRB-7	2.2	10.5	0.0	0.0	3.2
RRB-8	5.0	4.7	0.0	2.9	3.2
RRB-9	2.1	6.3	5.4	6.6	5.1
McNair 235	6.7	0.0	0.0	0.0	1.7
RRB-10	6.7	2.6	2.7	1.7	3.4
Keith R. Jones, Delta & Pine Land Co., Scott, Mississippi					
KRJ-1	6.5	85.7	0.0	95.3	46.9
KRJ-2	3.0	2.5	12.1	10.3	7.0
KRJ-3	2.9	16.7	3.1	55.9	19.6
Rowden	5.6	61.8	18.9	97.6	46.0
KRJ-4	0.0	2.4	0.0	24.6	6.8
KRJ-5	0.0	0.0	0.0	5.9	1.5
KRJ-6	0.0	50.0	8.3	7.7	16.5
KRJ-7	11.4	0.0	3.2	11.1	6.4
McNair 235	0.0	14.3	2.3	0.0	4.1
KRJ-8	0.0	0.0	4.2	6.7	2.7
KRJ-9	3.8	18.2	10.3	10.0	10.6
KRJ-10	0.0	0.0	8.3	5.1	3.4
Larry L. Barton, Rogers Delinted Cottonseed Co., Waco, Texas					
LLB-1	4.0	69.2	13.8	48.3	33.8
Rowden	29.7	100.0	34.4	75.6	59.9
LLB-2	9.8	63.3	25.0	4.2	25.6
LLB-3	5.9	75.0	0.0	13.8	23.7
LLB-4	9.8	100.0	0.0	60.0	42.4

Test entry designation	Percent wilt by replication				Mean
	1	2	3	4	
Larry L. Barton, Rogers Delinted Cottonseed Co., Waco, Texas (Cont'd)					
LLB-5	2.1	10.3	17.9	11.3	10.4
McNair 235	0.0	0.0	0.0	4.8	1.2
LLB-6	6.7	36.4	33.3	23.8	25.1
LLB-7	5.8	20.0	3.3	20.4	12.4
LLB-8	18.0	0.0	16.7	78.7	28.4
LLB-9	6.5	100.0	11.8	18.2	34.1
Rowden	18.9	72.7	34.5	89.5	53.9
LLB-10	5.6	0.0	0.0	23.1	7.2
Greg Harvey, Northrup King, Leland, Mississippi					
NKL-1	3.8	9.1	0.0	27.3	10.0
NKL-2	0.0	4.5	2.4	10.3	4.3
NKL-3	4.5	0.0	0.0	4.9	2.4
McNair 235	0.0	0.0	2.2	1.4	0.9
NKL-4	2.6	50.0	14.3	40.0	26.7
Jerry L. Baker, Pioneer Hi-Bred International, Inc., Vernon, Texas					
PR-1	0.0	22.7	18.2	20.9	15.4
PR-2	7.0	8.6	10.0	13.8	9.8
PR-3	8.0	64.7	14.8	47.7	33.8
Rowden	33.3	100.0	10.0	100.0	60.8
PR-4	7.0	16.7	14.3	20.3	14.6
PR-5	3.8	0.0	0.0	53.8	14.4
PR-6	13.2	53.3	31.3	29.3	31.8
PR-7	8.3	2.2	9.2	5.0	6.2
McNair 235	1.8	0.0	0.0	8.5	2.6
PR-8	8.1	5.9	0.0	17.5	7.9
PR-9	0.0	0.0	25.7	38.7	16.1
PR-10	10.0	0.0	8.3	66.7	21.2
Luther S. Bird, Texas A & M University, College Station, Texas					
CDPS-4-80	1.6	12.5	0.0	44.2	14.6
Rowden	66.7	66.7	18.2	68.5	55.0
CAMD-21-S-4-80	8.6	5.3	17.2	6.0	9.3
CAMD-21-S-6-80	0.0	0.0	0.0	25.0	6.2
MC'S-1-80	7.4	2.9	4.3	15.4	7.5
BC'CS-1-80	0.0	33.3	3.3	7.9	11.1
McNair 235	7.1	0.0	0.0	0.0	1.8
LEBO-5-80	2.5	17.2	22.2	10.0	13.0
LEBO-6-80	4.2	28.6	0.0	29.2	15.5
BL'CH-1-80	16.7	6.7	4.0	1.8	7.3
MCUH-1-80	0.0	37.1	33.3	49.1	29.9
Rowden	28.6	76.9	11.1	78.0	48.6
Blank-ORSBO-5-80	28.6	0.0	16.7	9.1	13.6
ORSLEBO-3-80	31.3	0.0	5.9	22.0	14.8
Maroon-GN-1-80	8.3	33.3	0.0	8.9	12.6
Mason Hawkins, Ranger Seed Company, Tahoka, Texas					
Ranger RV 64	26.5	3.4	14.3	8.2	13.1
McNair 235	0.0	9.8	0.0	3.7	3.4

Test entry designation	Percent wilt by replication				Mean
	1	2	3	4	
Mason Hawkins, Ranger Seed Company, Tahoka, Texas					
Ranger RV 12	5.2	5.9	18.2	7.5	9.2
Ranger RV 16	12.5	13.6	2.2	27.1	13.8
Ranger 55	37.9	33.3	39.2	10.3	30.2
Ranger Exp. BB 53	5.9	0.0	0.0	15.7	5.4
Rowden	38.5	45.5	37.5	63.8	46.3
Ranger Exp. TMN 62	10.8	2.3	48.3	23.9	21.3
Ranger Exp. RV 76	35.0	0.0	39.3	8.3	20.6
Ranger Exp. RV 73-5	2.0	21.6	11.4	3.1	9.5
Ranger Exp. BD 51	19.2	0.0	0.0	7.3	6.6
McNair 235	15.4	0.0	0.0	2.3	4.4
V76-054	9.1	0.0	8.8	8.1	6.5
Laval M. Verhalen, Oklahoma State Univ., Stillwater, Oklahoma					
OKLA-1	10.5	7.1	29.4	20.3	16.8
OKLA-2	2.7	4.8	8.5	28.3	11.1
OKLA-3	22.5	14.3	23.3	4.8	16.2
Rowden	47.1	67.7	47.4	56.1	54.6
OKLA-4	21.9	2.4	9.4	9.3	10.8
OKLA-5	7.0	0.0	11.3	17.5	9.0
OKLA-6	18.2	17.9	15.2	14.3	16.4
OKLA-7	12.5	12.5	19.0	13.3	14.3
McNair 235	20.0	0.0	5.7	1.4	6.8
OKLA-8	0.0	5.7	5.6	10.5	5.4
OKLA-9	28.6	9.8	10.0	4.9	13.3
OKLA-10	6.9	15.8	5.4	21.9	12.5
Carl A. Moosberg, Growers Seed Assoc., Lubbock, Texas					
GSA-1	11.8	4.7	0.0	50.9	16.8
Rowden	62.5	41.4	17.4	96.4	54.4
GSA-2	0.0	73.2	93.9	5.1	43.0
GSA-3	8.7	17.4	15.8	1.3	10.8
GSA-4	18.2	26.1	4.8	8.0	14.3
GSA-5	2.5	11.1	0.0	12.5	6.5
McNair 235	3.8	0.0	0.0	10.0	3.4
GSA-6	3.3	2.6	0.0	13.0	4.7
D. L. VanHorn, Northrup King Co., Plainview, Texas					
NKP-1	6.8	6.9	6.5	1.6	5.4
NKP-2	1.6	3.0	0.0	6.3	2.7
NKP-3	12.8	8.3	3.4	33.9	14.6
Rowden	21.4	30.0	24.1	33.3	27.2
NKP-4	16.0	52.4	16.7	45.1	32.6
NKP-5	14.3	27.3	28.0	34.4	26.0
NKP-6	7.4	0.0	6.7	2.2	4.1
Henry Webb, Coker's Pedigreed Seed Co., Hartsville, South Carolina					
Webb-1	5.0	0.0	0.0	3.4	2.1
McNair 235	4.7	0.0	0.0	9.7	3.6
Webb-2	0.0	33.3	6.1	4.0	10.8
Webb-3	0.0	41.7	6.1	6.1	13.5
Webb-4	3.3	0.0	2.3	25.6	7.8

Test entry designation	Percent wilt by replication				Mean
	1	2	3	4	
Henry Webb, Coker's Pedigreed Seed Co., Hartsville, South Carolina (Cont'd)					
Webb-5	11.6	20.0	4.5	0.0	9.0
Rowden	50.0	75.0	46.7	48.7	55.1
Webb-6	6.9	100.0	4.5	17.6	32.2
Webb-7	0.0	14.8	4.2	0.0	4.8
Webb-8	6.1	6.5	0.0	0.0	3.2
Webb-9	0.0	0.0	0.0	5.7	1.4
McNair 235	0.0	2.9	0.0	0.0	0.7
Webb-10	0.0	25.0	7.3	10.1	10.6
C. W. Manning, Stoneville Pedigreed Seed Co., Stoneville, Mississippi					
ST-1	2.2	25.0	11.1	12.2	12.6
ST-2	23.1	42.9	8.7	12.0	21.7
ST-3	0.0	28.6	7.1	2.0	9.4
Rowden	34.6	46.7	31.0	74.3	46.6
ST-4	3.4	0.0	5.0	0.0	2.1
ST-5	9.1	0.0	0.0	7.6	4.2
ST-6	5.6	50.0	0.0	7.4	15.8
ST-7	0.0	28.6	0.0	9.5	9.5
McNair 235	0.0	0.0	1.8	6.5	2.1
ST-8	12.0	30.8	0.0	8.2	12.8
ST-9	2.0	0.0	0.0	5.0	1.8
ST-10	16.7	0.0	0.0	15.9	8.2
Gene Douglas, Hollandale Agric. Services, Hollandale, Mississippi					
HAS-1	2.4	0.0	0.0	10.4	3.2
Rowden	29.2	42.9	51.4	58.8	45.6
HAS-2	29.4	22.9	9.1	4.1	16.4
HAS-3	3.6	7.1	8.0	0.0	4.7
HAS-4	14.8	25.0	5.6	8.1	13.4
HAS-5	0.0	0.0	0.0	1.8	0.4
McNair 235	0.0	0.0	0.0	0.0	0.0
HAS-6	0.0	0.0	16.7	2.6	4.8
HAS-7	7.9	9.4	5.3	2.7	6.3
HAS-8	7.1	0.0	0.0	0.0	1.8
Jack E. Jones, Louisiana State University, Baton Rouge, Louisiana					
JJ-1	11.8	0.0	4.0	1.9	4.4
Rowden	38.1	23.5	50.0	41.0	38.2
JJ-2	0.0	0.0	0.0	0.0	0.0
JJ-3	0.0	11.8	8.3	7.3	6.8
JJ-4	0.0	0.0	0.0	5.4	1.4
JJ-5	12.5	17.2	11.1	0.0	10.2
McNair 235	3.1	0.0	0.0	0.0	0.8
JJ-6	3.6	2.9	10.3	2.3	4.8
JJ-7	12.3	32.5	20.0	12.8	19.4
JJ-8	100.0	61.8	3.6	7.5	43.2
JJ-9	44.4	33.3	50.0	38.3	41.5
Rowden	0.0	34.1	37.5	19.6	22.8
JJ-10	10.0	6.5	6.7	21.9	11.3



Test entry designation	Percent wilt by replication				Mean
	1	2	3	4	
Jerry D. Carroll, Delta & Pine Land Co., Lubbock, Texas					
JDC-1	50.0	20.0	44.4	11.9	31.6
JDC-2	0.0	38.9	45.2	2.4	21.6
JDC-3	4.0	0.0	25.0	1.7	7.7
McNair 235	0.0	0.0	0.0	0.0	0.0
JDC-4	13.3	7.1	5.6	18.6	11.2
JDC-5	16.7	10.0	6.7	15.9	12.3
JDC-6	8.3	5.9	7.7	2.0	6.0
JDC-7	25.0	0.0	14.8	0.0	10.0
Rowden	50.0	30.0	75.0	23.8	44.7
JDC-8	3.3	3.3	0.0	65.0	17.9
JDC-9	7.8	7.1	20.0	2.2	9.3
JDC-10	0.0	0.0	16.7	10.4	6.8

Delbert C. Hess, Cargill Seed Co., Plainview, Texas

DH-1	7.4	5.1	0.0	5.6	4.5
McNair 235	3.9	0.0	0.0	0.0	1.0
DH-2	3.6	0.0	10.8	4.1	4.6
DH-3	4.3	10.3	5.6	2.2	5.6
DH-4	12.0	2.1	4.0	8.0	6.5
DH-5	2.7	0.0	10.0	7.6	5.1
Rowden	54.5	20.0	20.5	29.4	31.1
DH-6	66.7	0.0	0.0	11.5	19.6
DH-7	5.6	6.5	4.2	11.7	7.0
DH-8	55.0	8.0	10.8	18.6	23.1
DH-9	16.2	10.3	5.3	8.7	10.1
McNair 235	0.0	0.0	3.5	0.0	0.9
DH-10	18.2	0.0	39.0	5.5	15.7

Lynn McDonald, Coker's Pedigreed Seed Co., Hartsville, South Carolina

LM-1	2.1	0.0	5.5	9.4	4.2
LM-2	5.3	0.0	6.7	2.3	3.6
LM-3	0.0	21.9	33.3	8.7	16.0
Rowden	53.3	14.8	28.6	11.4	27.0
LM-4	11.5	0.0	16.0	17.4	11.2
LM-5	7.0	0.0	0.0	4.8	3.0
LM-6	3.7	0.0	0.0	4.5	2.0
LM-7	0.0	4.5	4.6	7.9	4.2
McNair 235	0.0	2.9	2.8	0.0	1.4
LM-8	9.8	1.7	0.0	7.5	4.8
LM-9	0.0	2.6	0.0	4.4	1.8
LM-10	0.0	0.0	13.3	8.0	5.3

M. F. Schuster, Texas A & M University Research & Ext. Center, Dallas, Texas

MS-1	6.5	0.0	0.0	16.7	5.8
Rowden	12.0	25.0	29.6	41.7	27.1
MS-2	25.0	---	66.7	20.3	37.3
MS-3	0.0	3.3	14.3	2.9	5.1

J. B. Weaver, Jr., University of Georgia, Athens, Georgia

JBW-1	27.3	7.1	0.0	4.2	9.6
JBW-2	0.0	0.0	33.3	4.7	9.5
McNair 235	0.0	0.0	0.0	1.0	0.2

Test entry designation	Percent wilt by replication				Mean
	1	2	3	4	
J. B. Weaver, Jr., University of Georgia, Athens, Georgia (Cont'd)					
JBW-3	0.0	0.0	1.9	0.0	0.5
JBW-4	8.3	7.7	5.6	9.4	7.8
JBW-5	0.0	2.6	6.5	20.0	7.3
JBW-6	3.7	26.9	11.8	4.2	11.6
Rowden	59.4	64.3	55.6	10.0	47.3
JBW-7	7.4	28.6	3.8	2.9	10.7
JBW-8	0.0	8.3	0.0	2.6	2.7
JBW-9	0.0	0.0	3.6	9.1	3.2
JBW-10	0.0	40.0	27.6	24.6	23.0
McNair 235	5.5	13.0	0.0	1.2	4.9
T. W. Culp, USDA-ARS, Florence, South Carolina					
TWC-1	26.9	16.7	5.7	22.0	17.8
TWC-2	0.0	0.0	0.0	7.1	1.8
TWC-3	13.9	27.0	3.4	8.7	13.2
TWC-4	8.6	3.8	21.6	0.0	8.5
Rowden	52.0	46.7	41.0	11.4	37.8
TWC-5	60.0	29.0	17.4	16.0	30.6
TWC-6	42.3	23.8	2.6	2.4	17.8
TWC-7	0.0	0.0	0.0	10.0	2.5
TWC-8	0.0	10.0	7.3	13.6	7.7
McNair 235	0.0	0.0	0.0	14.3	3.6
Shelby H. Baker, University of Georgia, Tifton, Georgia					
GaT-1	4.5	0.0	3.6	1.9	2.5
GaT-2	0.0	14.6	8.0	11.1	8.4
GaT-3	3.7	5.3	15.6	0.0	6.1
GaT-4	16.7	20.0	33.3	3.0	18.2
Rowden	47.8	11.8	40.0	36.0	33.9
GaT-5	0.0	0.0	1.8	0.0	0.4
GaT-6	6.4	4.0	2.0	12.5	6.2
GaT-7	10.7	6.9	0.0	7.1	6.2
GaT-8	16.1	7.7	7.1	5.2	9.0
McNair 235	0.0	8.5	5.4	1.6	3.9
GaT-9	21.1	40.6	0.0	3.0	16.2
GaT-10	0.0	0.0	0.0	15.4	3.8
Raymond L. Shepherd, USDA-ARS, Auburn University, Alabama					
RLS-1	6.1	10.3	6.9	4.8	7.0
RLS-2	0.0	19.7	16.3	9.5	11.4
Rowden	50.0	64.1	62.5	10.7	46.8
RLS-3	7.9	0.0	7.5	1.4	4.2
RLS-4	0.0	2.7	2.6	14.0	4.8
RLS-5	0.0	8.3	2.3	4.0	3.6
RLS-6	1.7	6.7	0.0	5.4	3.4
McNair 235	4.3	0.0	2.4	11.1	4.4
RLS-7	0.0	0.0	13.7	3.3	4.2
RLS-8	0.0	7.5	4.1	0.0	2.9
RLS-9	1.4	4.0	7.4	1.7	3.6
RLS-10	9.5	10.0	2.3	3.6	6.4
Rowden	86.2	16.2	41.2	12.8	39.1

Test entry designation	Percent wilt by replication				Mean
	1	2	3	4	
W. P. Sappenfield, University of Mo. Delta Center, Portageville, Missouri					
MO-1	21.4	0.0	1.9	0.0	5.8
MO-2	3.1	0.0	0.0	20.4	5.9
MO-3	0.0	0.0	2.9	8.6	2.9
MO-4	0.0	0.0	11.1	4.0	3.8
McNair 235	2.3	0.0	5.0	1.6	2.2
MO-5	0.0	0.0	0.0	0.0	0.0
MO-6	6.7	5.5	7.5	4.3	6.0
MO-7	0.0	6.5	15.8	1.7	6.0
MO-8	0.0	0.0	12.0	2.6	3.6
Rowden	92.0	16.7	44.4	12.5	41.4
MO-9	0.0	0.0	7.3	11.5	4.7
MO-10	0.0	5.1	1.6	1.7	2.1
A. J. Kappelman, Jr., USDA-ARS, Auburn University, Alabama					
AK-1	0.0	0.0	9.4	0.0	2.4
AK-2	0.0	0.0	6.6	12.9	4.9
McNair 235	0.0	0.0	7.1	4.8	3.0
AK-3	11.1	3.1	12.5	3.4	7.5
AK-4	9.7	4.3	5.7	7.7	6.8
AK-5	13.3	0.0	9.1	0.0	5.6
AK-6	0.0	0.0	12.5	25.4	9.5
Rowden	69.2	41.9	48.0	0.0	39.8
AK-7	2.6	5.3	2.3	24.5	8.7
AK-8	0.0	0.0	2.6	0.0	0.6
AK-9	4.3	7.7	2.9	0.0	3.7
AK-10	9.1	6.5	6.3	0.0	5.5
McNair 235	0.0	0.0	0.0	3.6	0.9
Wiley C. Johnson, Auburn University, Auburn University, Alabama					
ST-213	18.7	0.0	4.5	22.2	11.4
Coker 3131	10.0	8.1	28.9	0.0	11.8
ST-825	6.3	5.9	17.8	27.3	14.3
Delcot 311	5.7	0.0	0.0	0.0	1.4
Rowden	63.2	45.7	60.6	71.8	60.3
DES 56	21.9	9.8	2.0	0.0	8.4
Coker 310	2.3	4.3	0.0	0.0	1.7
Deltapine 61	0.0	20.0	7.3	1.9	7.3
Coker 315	12.8	0.0	2.1	3.2	4.5
McNair 235	2.0	7.3	0.0	8.6	4.5
ST-506	4.5	5.3	7.7	1.9	4.8
Deltap 7544-643	4.9	0.0	8.7	0.0	3.4
Coker 208	2.6	0.0	5.3	0.0	2.0
McNair 220	0.0	0.0	0.0	2.0	0.5
Rowden	60.9	0.0	46.2	36.2	35.8
Deltapine 26	0.0	0.0	0.0	5.6	1.4
Deltapine 7148	20.0	20.0	0.0	2.0	10.5
Deltapine 299	25.0	0.0	11.5	2.7	9.8
GP 3774	2.8	17.4	6.5	1.8	7.1
McNair 235	0.0	4.3	2.6	11.3	4.6
Hancock	35.3	15.0	5.0	10.0	16.3
Deltapine 55	12.5	8.0	0.0	7.9	7.1
Coker 3114	6.3	7.7	0.0	6.3	5.1
Deltapine 62	26.9	6.5	4.4	0.0	9.4

Test entry designation	Percent wilt by replication				Mean
	1	2	3	4	
Wiley C. Johnson, Auburn University, Auburn University, Alabama (Cont'd)					
Rowden	21.1	58.8	14.3	10.0	26.0
Deltapine 41	0.0	3.2	26.9	9.3	9.8
Deltap 7537-6150	0.0	0.0	2.1	0.0	0.5
Coker 304	0.0	0.0	3.6	0.0	0.9
Coker 80903	0.0	4.6	16.2	10.0	7.7
McNair 235	8.8	0.0	2.8	1.9	3.4
Auburn 56	0.0	2.4	0.0	0.0	0.6



*Information contained herein is available to all persons regardless  
of race, color, sex, or national origin.*