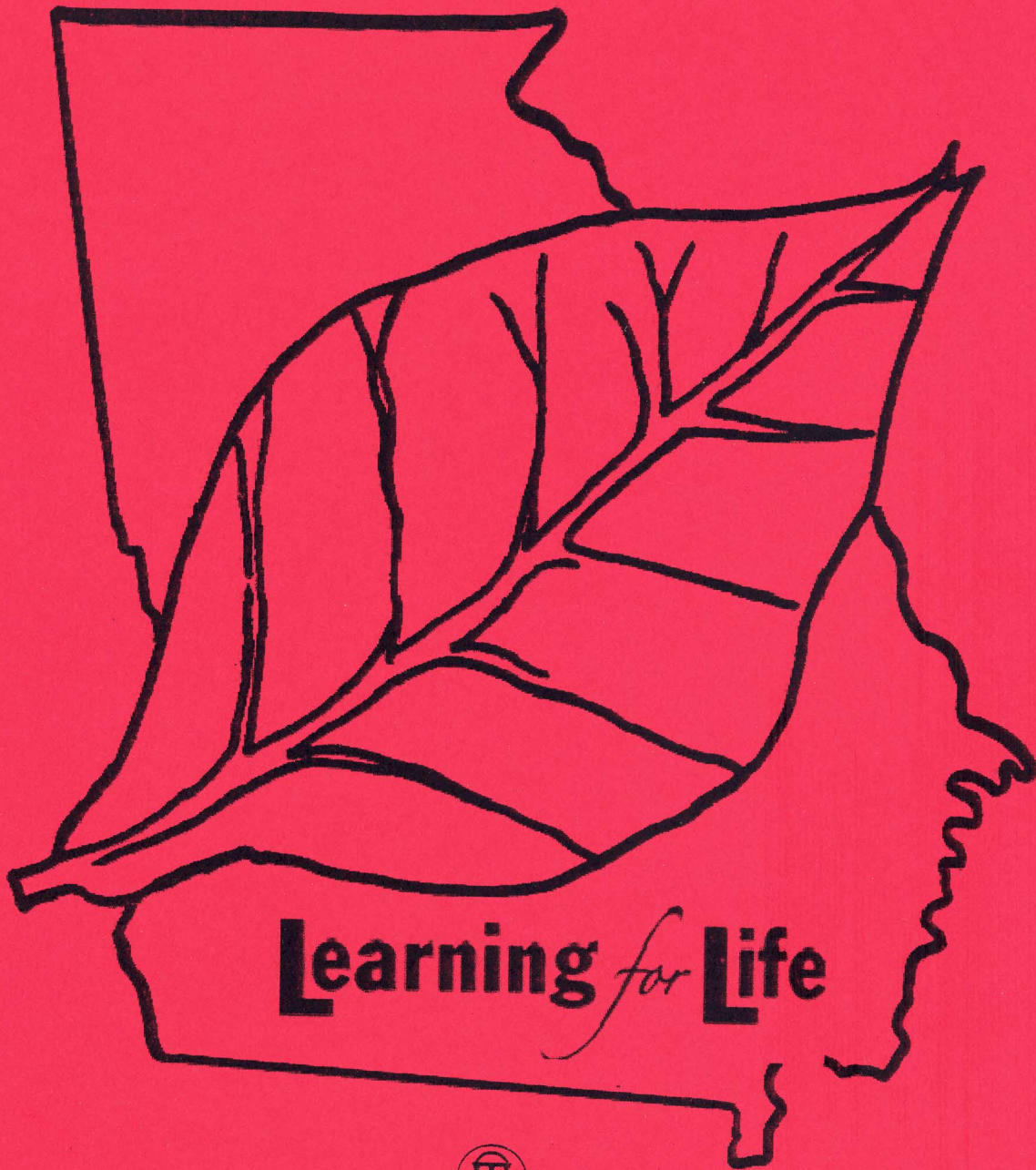


2014

Georgia - Florida Tobacco Tour



Learning for Life



The University of Georgia
College of Agricultural & Environmental Sciences

The University of Georgia
College of Agricultural and Environmental Sciences
Cooperative Extension
Tifton, Georgia

EXTENSION OFFICES IN COUNTIES WITH TOBACCO PRODUCTION

<u>County</u>	<u>Phone No.</u>	<u>FAX No.</u>	<u>County</u>	<u>Phone No.</u>	<u>FAX No.</u>
Appling	912-367-8130	912-367-1184	Grady	229-377-1312	229-377-9026
Atkinson	912-422-3277	912-422-6223	Irwin	229-468-7409	229-468-9838
Bacon	912-632-5601	912-632-6910	Jeff Davis	912-375-6648	912-379-1091
Ben Hill	229-426-5175	229-426-5176	Lanier	229-482-3895	229-482-2654
Berrien	229-686-5431	229-686-7831	Lowndes	229-333-5185	229-333-5188
Brantley	912-462-5724	912-462-5464	Pierce	912-449-2034	912-449-8005
Brooks	229-263-4103	229-263-5607	Screven	912-564-2064	912-564-5815
Candler	912-685-2408	912-685-6614	Tattnall	912-557-6724	912-557-3332
Coffee	912-384-1402	912-389-4007	Thomas	229-225-4130	229-225-4183
Colquitt	229-616-7455	229-616-7033	Tift	229-391-7980	229-391-7999
Cook	229-896-7456	229-896-7457	Toombs	912-526-3101	912-526-1012
Echols	229-559-5562	229-559-9436	Treutlen	912-529-3766	912-529-3767
Evans	912-739-1292	912-739-7831	Wayne	912-427-5965	912-427-5967
Emanuel	478-237-1226	478-237-8451	Worth	229-776-8216	229-776-8216

UGA Tobacco Home Page

<http://www.georgiatobacco.com>

TOBACCO EXTENSION SCIENTISTS

(see web site for email addresses)

J. Michael Moore, Extension Agronomist - Tobacco, Editor	229-386-3006	229-386-7308
Paul Bertrand, Extension Pathologist (Retired)	229-386-7495	229-386-7415
Glendon H. Harris, Extension Agronomist - Environmental Soil and Fertilizer	229-386-3194	229-386-7308

TOBACCO RESEARCH SCIENTISTS

Alex Csinos, Plant Pathology, CPES, Tifton (Retired)	229-386-3373	229-386-7285
Steve LaHue, Bowen Farm Research Coordinator	229-388-6492	229-386-7293

Physical / Postal Address: 4604 Research Way / 2360 Rainwater Rd, Tifton, Georgia, 31793-5766, USA

THE GEORGIA EXTENSION TOBACCO TEAM EXPRESSES
APPRECIATION TO THE FOLLOWING FINANCIAL SUPPORTERS OF THE

2014 GEORGIA TOBACCO TOUR

Ag South Farm Credit

FMC

**Agri Supply Statesboro,
Tifton, Valdosta**

F W Rickard Seeds

GoldLeaf Seed Co.

Alliance One International

Long Tobacco Barn

B.F.D. Tobacco Equipment

Company

Bayer

Mid-South Contractors

**Big Independent
Warehouse**

R J Reynolds

SQM North America Corp

Carolina Soil Company

Syngenta

Catalytic Generators

Taylor Manufacturing

Chemtura AgroSolutions

**Universal Leaf, North
America**

Cross Creek Seed

Cureco, Inc.

**U.S. Flue Cured Tobacco
Coop**

Dow AgroSciences

Valent

Drexel Chemical Co.

DuPont Crop Protection

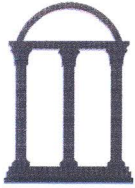
YARA North America

GEORGIA - FLORIDA TOBACCO TOUR

RULES OF THE ROAD

- **Headlights should ALWAYS BE ON when participating in the tour.**
- **Follow close enough to the next vehicle to show that you are a part of the tour, but far enough back to avoid a collision.**
- **Be cautious at intersections but promptly follow the directions of law enforcement assisting the tour.**
- **Always “fuel-up” the night before. The Tour will depart as sheduled.**

Wait until the Tour has “left you” rather than trying to “leave the tour”. THOSE BEHIND YOU WILL FOLLOW YOU!!!



THE UNIVERSITY OF GEORGIA

COOPERATIVE EXTENSION

Colleges of Agricultural and Environmental Sciences & Family and Consumer Sciences

2360 Rainwater Rd., Tifton, GA 31793 PH: 229-386-3006 FAX: 229-386-7308 Cell: 229-392-6424

SCHEDULE & DRIVING DIRECTIONS FOR THE 2014 GEORGIA-FLORIDA TOBACCO TOUR

Monday, June 9, 2014

<http://www.GeorgiaTobacco.com>

Travel Mileage Directions

5:00 pm - Check-in Holiday Inn Express & Suites

**6694 US 129 N
Live Oak, Florida 32060
PH: 386-362-2600**

**7:00 pm - Supper –Directions: From Holiday Inn and Suites to Brown Lantern Restaurant,
417 Howard St E (90)
Live Oak, FL 32064
PH: (386) 362-1133**

Turn left onto US 129. Turn left onto Howard St, (Hwy 90). Brown Lantern on the left.

Tuesday, June 10

Time/Mileage Directions

7:15 am - Leave Holiday Inn parking lot.

Left out of Holiday Inn onto US 129.

12.9 Left onto 252/129

1.7 Left onto dirt road after house
Plot on Right

**7:35 am Arrive Kenneth Dasher Farm - Suwannee County, FL (386) 364-8806
8763 CR 252, Live Oak, FL 32060-6868
(Early Maturing Varieties for Ratoon Production Demonstration)
- Elena Toro, County Extension Agent**

Right onto 252
1.6 Right onto 249/129
0.8 Left onto 252
5.1 Cross CR 349
1.5 Right onto 165th Rd.
2.5 Left onto Hwy 51
0.6 Right into Lord Farm
0.3 Left at Lord home into field
0.5 Plot on right

**8:15 am Arrive Sidney and Jackson Lord Farm - Suwannee County, FL (386) 362 8503
13092 169th Rd, Live Oak, FL 32060-5424
(Released Varieties Demonstration)
- Elena Toro, County Extension Coordinator**

Tuesday, June 10

Time/Mileage Directions

- Leave field by back gate
- 0.5 Right onto 177th Street
- 2.5 Left onto CR 250
- 10 Left onto CR 251
- 4.7 Field on left

8:55 am Arrive Scott Prine Farm - LaFayette County, FL (386-208-5150)
4802 NW CR 281, Mayo, FL 32066
(Florida Tobacco Production)
- Chris Vann, County Extension Coordinator

- Right out of field
- 4.7 Right onto CR 251
- 1.3 Right onto NW CR 253
- 11.7 Cross I-10 (CR 253 also DuVal St.)
- 6.2 Cross Hwy 90
- 0.2 Right at stop sign continuing on CR 145
(CR 145 also named E Livingston St, then Madison Co. Four Freedom Trail)
- 9.8 Right onto CR 150 (NE Bellville Rd) in Pinetta
- 6.6 Right onto NW CR 152
- 2.3 Left onto CR145
- 1.4 Right NW 13th Dr
- 0.8 Field on left

10:15 am Arrive Damon and Roger Deas Farm - Hamilton County, FL (386-303-1818)
30°35'44.58 N, 83°12'44.74"W
(Florida Tobacco Production)
- Keith Wynn, County Extension Coordinator

- Right out of field
- 0.8 Right onto CR 145
- 3.76 Left onto I-75 N
- 26.9 Right onto the Hahira Exit onto SR 122
- 0.9 Cross S Church St
- 0.9 Right onto Coppage Rd
- 0.9 Right into greenhouse yard, field to right.

11:15 am Arrive Fred Wetherington Farm - Lowndes County, GA (229-794-2734)
5788 Coppage Rd, Hahira, GA 31632-3462
30o34.46" N, 83o20'37.88" W
(Tomato Spotted Wilt Virus Control)
- Jake Price, County Extension Coordinator, Lowndes Co. Extension
- Josh Dawson, County Extension Agent, Fort Valley State University

Tuesday, June 10

Time/Mileage Directions

Left onto Coppage Road
0.9 Left onto State Road 122
0.9 Cross S Church St
0.9 Right onto I-75
35 Right onto Hwy 41 at the UGA Tifton Campus Exit 64
0.05 Left onto Hwy 41
0.1 Left onto RDC Rd
0.05 Left into Tifton Campus Conference Center driveway. Park in front of building.

12:15 pm - SPONSORED LUNCH -
Tifton Campus Conference Center
University of Georgia, 15 RDC Road, Tifton, GA
- lunch Courtesy of: Georgia Tobacco Commission

Left out of Tifton Campus Conference Center
0.1 Cross RR Tracks
Left at stop sign onto Moore Hwy
0.1 Right onto Rainwater Road

1:35 pm Arrive UGA Black Shank Nursery - Rainwater Road, Tifton, GA
Alex Csinos, Pathologist
Holly Hickey Anderson , UGA Plant Pathology Graduate Research Assistant
-Nematode Variety Test
-Nematicides for Control of Root Knot nematode in Tobacco

0.1 Left onto Entomology Drive, follow drive through fence to Black Shank Nursery
Arrive UGA Black Shank Nursery - Rainwater Road, Tifton, GA

Right out of Entomology Drive onto Rainwater Road
0.1 Right onto Moore Hwy
0.05 Left onto 20th Street
Cross RR Tracks
0.9 Cross Tift Avenue at light
0.9 Left at stop light onto Old Omega Road
0.2 Right at light onto Kent Road
1.1 Cross New River Church Road at stop sign onto Arnett Mill Road
0.6 Left onto Hwy 319 toward Omega at the stop sign
1.1 Right onto Goat Road
0.6 Left into UGA Bowen Farm

2:20 pm Arrive UGA Bowen Farm - 133 Goat Rd, Tifton, GA

2:25 pm Paul Bertrand, Pathologist
TSWV vs Transplant Date Trial

Tuesday, June 10

Time/Mileage Directions

2:35 pm **Alex Csinos, Pathologist**
Holly Hickey Anderson , UGA Plant Pathology Graduate Research Assistant
Nematode Variety Test
Nematicides for Control of Root Knot nematode in Tobacco

2:50 pm **Steve LaHue, Research Coordinator**
Regional Variety Small Plot Test
Georgia Official Variety Test
Regional Sucker Control Test

3:05 pm **J. Michael Moore, Extension Agronomist - Tobacco**
Tobacco Budworm Foliar Control Demonstration
Sidedress Nitrogen Fertilizer Source Demonstration
Transplant Water Fertilizer Demonstration

3:20 pm **Stan Diffie, Entomology Research Coordinator**
Tobacco Entomology Research Projects

Right out of Bowen Farm
0.6 Left onto Hwy 319
1.3 Left onto Ferry Lake Rd
4.5 Right on Chula Brookfield Road
0.3 Arrive Ricky Tucker Farm

3:45 pm **Arrive Ricky Tucker Farm - Berrien County, GA (229-686-4042)**
Chula Brookfield Road
31°27'36.96" N, 83°23'26.38" W
(Early Maturing Variety and Black Shank)
-Eddie Beasley, County Extension Agent

Leave Ricky Tucker Farm by continuing forward
3.0 Left onto Hwy 82
0.3 Right onto Whitley Road
6.7 Left onto Hwy 125
11.7 Left onto Dogwood Street
0.2 Right at light onto 129/125
0.1 Left onto 168
1.3 Left onto Radio Station Road
7.1 Right onto Poplar Springs Road
0.3 Arrive Trent Hughes Farm

4:40 pm **Arrive Trent Hughes Farm - Berrien County (229-507-4042)**
3819 Poplar Springs Ch Rd., Nashville, GA 31639
(31°11'33.13" N, 83°06'51.41" W)
(TSWV Control)
-Eddie Beasley, County Extension Agent

Tuesday, June 10

Time/Mileage Directions

- 1.5 Cross Hwy 168, continue on Poplar Springs Rd.
- 0.6 Right onto Mudd Creek Rd
- 0.6 Left onto Mt Pleasant Church Rd
- 0.8 Right onto Ethridge Lancaster Rd
- 0.3 Right onto Avera Cemetery Rd
- 0.1 Left into barn yard, plot behind barns.

4:50 pm Arrive Brian Lanier Farm - Berrien County (229-507-4042)
50 Lanier Lane, Nashville, GA 31639 – hm
(31°09'17.16" N, 83°08'11.27" W) – barns/plot
(Released Variety Test)
-Eddie Beasley, County Extension Agent

- Left onto Avera Cemetery Rd
- 1.3 Right onto Mudd Creek Rd
- 0.6 Left onto Reuben Mathis Rd
- 0.6 Left onto Hwy 168
- 7.5 Right onto Hwy 125
- 0.1 Left at light onto Hwy 125
- 0.2 Right to follow Hwy 125 back to Tifton
- 21.7 Left at light onto Hwy 41
- 0.7 Right at light at Loves to I-75 N
- 0.15 Right onto I-75
- 2.6 Right at Exit 61 to Hwy 82
- 0.9 Right onto Hwy 319/Alabama Ave
- 0.15 Right into Hampton Inn

7:00 pm Dinner – Ole Times Buffet

Wednesday, June 11

Time/Mileage Directions

- 7:30 am Leave Hampton Inn parking lot.**
- Left out of Hampton Inn
 - 0.15 Right onto Hwy 82 E
 - 2.5 Left onto Hwy 319
 - 18 Through Ocilla on Hwy 32
 - 13.5 Right onto SR 149
 - 2.1 Left onto Youngie Fussell Rd
 - 1.5 Right into Ben Smith Farm

8:15 am Arrive Ben Smith Farm, Coffee County, GA (912) 327-1913
3607 Youngie Fussell Rd, Ambrose, GA 31512
31°31'12.16" N, 83°02'11.21 W
(TSWV Control & Black Shank Infestation)
-Mark von Waldner, County Extension Agent

Wednesday, June 11

Time/Mileage Directions

- Left onto Youngie Fussell Rd.
- 1.5 Right onto SR 149
- 2.1 Cross Hwy 32 onto SR 268
- 1.7 Cross through Ambrose
- 4.0 Cross Bowens Mill Rd Hwy 206
- 1.4 Left onto Dr. Denton Rd

8:50 am Arrive Brandon Kirkland Farm, Coffee County, GA (912) 592-2359
1827 Doctor Denton Rd, Broxton, GA 31519
31°38'41.51" N, 82°56'23.27 W

(Black Shank Variety Trial)
-Mark von Waldner, County Extension Agent

- 2.0 Left onto Dr. Denton Rd
- 0.3 Right onto SR 706 Fitzgerald Hwy
- 2.8 Left Hwy 441
- 4.2 Right onto Sam Jones Rd CR 327
- 0.4 Right onto Pridgen Rd
- 0.5 Left onto CR 332
- 0.1 -Arrive Darrell Smith Farm

9:25 am Arrive Darrell Smith Farm - Coffee County, GA Pridgen, GA 912-381-1656
31°41'21.90" N, 82°54'21.24 W

(TSWV Control)
-Mark von Waldner, County Extension Agent

- 0.1 Right onto Sam Jones Rd. CR 327
- 0.8 Left onto Sweet Tree Rd. CR 331
- 1.0 Right onto Brooks Rd. CR 175
- 0.5 Arrive Jerry Wooten Farm

9:50 am Arrive Jerry Wooten Farm, Jeff Davis County, GA, 912-253-4218
508 Mount Pleasant Ch. Rd, Denton, GA 31532
Denton, GA 31532-3318
31°42'36.95" N, 82°52'52.86 W

(TSWV Control)
-Tim Varnedore, County Extension Coordinator

- Continue on Brooks Rd
- 0.5 Cross Old River Rd
- Continue on Brooks Rd which changes to Mt.Pleasant Church Rd.
- 4.3 Left at stop sign
- 3.0 Right at stop sign on Hwy 107
- 2.9 Cross Broxton Hwy to continue on Hwy 107 at Snipesville
- 3.7 Right onto Douglas Hwy, Hwy 135/221
- 5.6 Left onto Post Rd
- 5.0 Cross Bell Telephone Rd

Wednesday, June 11

Time/Mileage Directions

- 3.15 Right onto Pine Line Rd, changes to Dixie School Rd at County Line
- 10.4 Left onto Hwy 32 at Guysie
- 3.6 Right onto Hwy 32 Bypass
- 4.0 Cross Dixon St at light
- 0.4 Cross US 1
- 5.4 Left onto 203
- 0.1 Left onto 203
- 10.3 Cross Hwy 15/Blackshear Hwy
- 1.2 Left onto Hwy 121
- 0.6 Arrive Danny & Jared Turner Farm

11:15 am Arrive Danny & Jared Turner Farm, Appling County, GA (912) 367-3858
8896 GA Highway 121, SE Surrency, GA 31563-3406
31°35.838' N, 82°12.5 20' W

(Released Varieties Demonstration)
-Shane Curry, County Extension Agent

- Left onto Hwy 121
- 0.6 Right onto 203
- 0.75 Right onto Dixon Rd. (dirt)
- 0.6 Left to Turner Pond House – Lunch

11:45 am Lunch

**THIS IS THE END OF
THE 2014 GEORGIA-FLORIDA TOBACCO TOUR
HAVE A SAFE TRIP HOME !**

Learning for Life

Agriculture and Natural Resources * Family and Consumer Sciences * 4-H Youth
An Equal Opportunity /Affirmative Action Institution

Table 1. Varieties for Ratoon Production, Kenneth Dasher, Suwannee County, FL, 8763 CR 252, Live Oak, FL 32060, Elena Toro, County Extension Agent

Trt No	VARIETY	PEDIGREE	SPONSOR	Disease Resistance					
				BS	GW	FW	RK	BSp	Virus
1.	NC 606	NC 729 X NC 82	Raynor	R	R		R		
2.	GF 318	F1 Hybrid	Raynor	R	R		R		
3.	CC 143	F1 Hybrid	Cross Creek Seed	R	R		R		
4.	K 326	McNair 225 (McNair 30 x NC 95) GL, CC, Rickard		L	L		R		
5.	Spt 70	C-258 X Va. 115 X G-10	Cross Creek	M	M		R		

Transplanted 4/1/14

8# 9-45-15 in transplant water.

1750# 6-6-18

Table 1. Variety, Pedigree, Sponsor and Disease Resistance of the 2014 Released Variety Test (commercially available varieties), Sidney and Jackson Lord Farm, Suwannee County, FL, 13092 169th Rd, Live Oak, FL 32060, Elena Toro, County Extension Agent

Trt No	VARIETY	PEDIGREE	SPONSOR	Disease Resistance					
				BS	GW	FW	RK	BSp	Virus
1.	GL 338	F1 Hybrid	Gold Leaf Seed Co	R	R				
2.	GL 395	F1 Hybrid	Gold Leaf Seed Co	R	R		R		
3.	NC 196	F1 Hybrid	Gold Leaf Seed Co	R	L		R		
4.	GF 318	F1 Hybrid	Raynor	R	R		R		
5.	CC 1063	F1 Hybrid	Cross Creek Seed	R	R		R		
6.	CC 35	F1 Hybrid	Cross Creek Seed	H	L		R		
7.	CC 143	F1 Hybrid	Cross Creek Seed	R	R		R		<u>short</u>
8.	CC 700	F1 Hybrid	Cross Creek Seed	R	R		TCN /R		<u>short</u>
9.	PVH 2110	F1 Hybrid	F.W. Rickard	R	R		R		
10.	PVH 2254	F1 Hybrid	F.W. Rickard	R	R		R		
11.	PVH 2275	F1 Hybrid	F.W. Rickard	H	L		R		TMV PVY
12.	NC 925	F1 Hybrid	F.W. Rickard	R	R		MjA		

¹Resistance: H - High; M - Moderate; L - Low; R- Resistant; T - Tolerant; SU – Susceptible Diseases: BS - Black shank; GW - Granville Wilt; FW - Fusarium Wilt; RK - Root Knot; R1&3-*Meloidogyne Incognita* Race1 & Race3; Bn. Sp. - Brown spot; TMV - Tobacco Mosaic Virus; PVY - Potato Virus ‘Y’; TSWV – Tomato Spotted Wilt Virus; TCN - Tobacco Cyst Nematode; TEV - Tobacco Etch Virus;
 Sponsor: AOI-Alliance One; Clemson-Clemson University; CC-Cross Creek Seed Co; GL-Gold Leaf Seed Company; Gwynn Farms; NCSU-NC State University; RJR- RJ Reynolds Tobacco Company; Rickard-F.W. Rickard Seed Co; SPT-Speight Seed Farms; ULT-Universal Leaf Tobacco Co

Seeded: 1/23/14

Transplanted 3/27/14

MONITORING SPOTTED WILT

THE PURPOSE OF THESE TRIALS IS TO RECORD INCIDENCE OF SPOTTED WILT IN TREATED AND UNTREATED PLANTS AT MULTIPLE LOCATIONS. TREATED PLANTS MAY BE TREATED WITH IMIDACLOPRID ONLY OR ACTIGARD + IMIDACLOPRID. TREATMENT RATES AND TIMING ARE CONSISTANT WITH THE GEORGIA TOBACCO GROWERS GUIDE.

COUNTY	FARM	CO. AGENT(S)
CANDLER	OHD FARMS (2)	CHRIS EARLS & CHRIS TYSON
APPLING	BYRON CARTER	SHANE CURRY
JEFF DAVIS	KENNITH WILLIAMS	TIM VARNADORE
BEN HILL	BRIAN GRIFFIN	PHILLIP EDWARDS
COFFEE	DARRELL SMITH (2)	MARK von WALDNER
COFFEE	BEN SMITH	MARK von WALDNER
COFFEE	JOEY ANDERSON	MARK von WALDNER
COFFEE	WAYNE McKINNON (2)	MARK von WALDNER
COFFEE	NATHAN HENDERSON	MARK von WALDNER
ATKINSON	TROY ALDRIDGE	MARK von WALDNER
BERRIEN	TOMMY LEE	EDDIE BEASLEY
BERRIEN	WAYNE HENDLEY	EDDIE BEASLEY
BERRIEN	DAVID HENDLEY	EDDIE BEASLEY
BERRIEN	TRENT HUGHES	EDDIE BEASLEY
BERRIEN	VICKERS FARMS	EDDIE BEASLEY
BERRIEN	RICKY TUCKER	EDDIE BEASLEY
LANIER	LEE IVEY	JERMEY TAYLOR
LOWNDES	HERRING FARMS (2)	JAKE PRICE & JOSH DAWSON
LOWNDES	WEATHERINGTON FARMS (2)	JAKE PRICE & JOSH DAWSON

MONITORING SPOTTED WILT INCIDENCE AND TREATMENT EFFICACY

Fred Wetherington Farm, Hahira, GA
Jake Price, Lownes County Extension Coordinator
Josh Dawson, Fort Valley State University County Agent

TREATED
UNTREATED

TREATED
UNTREATED

TREATED
UNTREATED

TREATED
UNTREATED

BLACK SHANK NURSERY

BLACK SHANK NURSERY

Evaluation of new Tobacco Cultivars for Management of Tobacco Black Shank

506	510	507	503	508	502	509	505	504	501
405	403	404	410	401	407	402	406	409	408
304	308	302	307	309	310	303	301	306	305
201	207	208	204	202	206	205	209	210	203
103	109	110	101	106	104	108	107	105	102

Treatment	Rate	Application
1. CC 143	---	---
2. SP 225	---	---
3. NC 71	---	---
4. K 346	---	---
5. SP 168	---	---
6. NC 92	---	---
7. NC 925	---	---
8. NC 471	---	---
9. K 326	---	---
10. Ridomil & K 326	1/2 pt 1 pt 1 pt	in transplant water at first cultivation at layby

Date to be collected:

- Stand counts every two weeks, scouting for symptoms of Black Shank (*Phytophthora nicotianae*) infested tobacco plants and TSWV symptomatic plants. Beginning 4 weeks post-plant
- Vigor ratings at 2, 4, 6, and 8 weeks post plant
- Plant height (centimeters) at 6 weeks post plant
- Yield (pounds/acre)

04/10/14
04/23/14
05/27/14

BLACK SHANK NURSERY

VALENT USA

PRESIDIO

**TOBACCO - BLACK SHANK
VARIETY K 326**

2014

FIELD PLANS

BLACK SHANK NURSERY

601	603	602	604
503	501	504	502
402	404	401	403
304	303	302	301
201	202	203	204
103	101	104	102

TREATMENT NO./PRODUCT	FORMULATION	RATE	APPLICATION
1. Non-Treated	--	--	--
2. Presidio	4 SC	4 fl oz 4 fl oz 4 fl oz	Transplant Water Directed Spray 1 st Cultivation Layby
3. Presidio QUG 42 Presidio	4 SC 0.83 OD 4 SC	4 fl oz 19 fl oz 4 fl oz	Transplant Water Directed Spray 1 st Cultivation Layby
4. Ridomil Gold Ridomil Gold Ridomil Gold	4 SL 4 SL 4 SL	1/2 pt 1 pt 1 pt	Transplant Water Directed Spray 1 st Cultivation Layby

PLOT SIZE: 1 Row X 6 Reps. RCB

DATA: Vigor + Phyto Ratings
Stand Counts
TSWV
% Black Shank
Disease Index

BLACK SHANK NURSERY

VALENT USA

PRESIDIO

TOBACCO - BLACK SHANK

2014

VARIETY: SP 225

FIELD PLANS

BLACK SHANK NURSERY

601	603	602	604
503	501	504	502
402	404	401	403
304	303	302	301
201	202	203	204
103	101	104	102

Treatment No./ Product	Formulation	Rate	Application
1. Non-Treated	--	--	--
2. Presidio	4 SC	4 fl oz 4 fl oz 4 fl oz	Transplant Water Directed Spray 1 st Cultivation Layby
3. Presidio QUG 42 Presidio	4 SC 0.83 OD 4 SC	4 fl oz 19 fl oz 4 fl oz	Transplant Water Directed Spray 1 st Cultivation Layby
4. Ridomil Gold Ridomil Gold Ridomil Gold	4 SL 4 SL 4 SL	1/2 pt 1 pt 1 pt	Transplant Water Directed Spray 1 st Cultivation Layby

PLOT SIZE 1 Row X 6 Reps. RCB

DATA: Vigor + Phyto Ratings
Stand Counts
TSWV
% Black Shank
Disease Index

Foliar Tobacco Budworm Insecticide Test
University of Georgia, Tifton Campus Bowen Farm, 2014
133 Goat Road, Tifton, GA 31794

J. Michael Moore, Extension Agronomist - Tobacco
Steven LaHue, Bowen Farm Research Coordinator
Will Gay, Bowen Farm Supervisor

Trt	Material	Formulation	Rate	Amt/ 4 gal (ml)	Application Method	Control 4 DAT (%)
1	Check	-----	-----	-----	-----	24
2	Coragen	SC 1.67	5 oz/A	16.9 ml	Foliar	90
3	Besiege		9 oz/A	30.4 ml	Foliar	95
4	Belt	SC 4.0	3 oz/A	10.1 ml	Foliar	90
5	Blackhawk		2.8 oz/A (wt)	9.1 g	Foliar	67

405	404	403	402	401
304	303	301	305	302
203	205	202	201	204
101	102	103	104	105

1 row plots (58' x 44"); 4 reps
 1 row common borders
 35 gpa 35/4 = 8.75
 4 gallon mix
 3 x TX-18 nozzles
 Treat only single plot rows.
 Count TBW 5-22-14
 Treatment Date: 5-23-14
 4 day count: 5-27-14
 7 day count: 5-30-14

2014 TRANSPLANT DATE TRIAL

FIRST	27-Mar	YELLOW
SECOND	3-Apr	BLUE
THIRD	10-Apr	ORANGE
FOURTH	18-Apr	GREEN
FIFTH	24-Apr	WHITE

VARIETY: K-326

TREATED: ACTIGARD (1.0 oz/100,00) + ADMIRE PRO (1.0 oz/1,000)

RAINFALL AT THE BOWEN FARM DURING TRANSPLANTING

20 MARCH to 26 MARCH	0.00"
27 MARCH to 02 APRIL	0.92"
03 APRIL to 09 APRIL	2.55"
10 APRIL to 16 APRIL	0.95"
17 APRIL to 23 APRIL	2.00"
24 APRIL to 30 APRIL	0.86"
<hr/> TOTAL RAINFALL	<hr/> 7.28"

BOWEN FARM

**EVALUATION OF TOBACCO CULTIVARS AND NEMATICIDES FOR ROOT KNOT MANAGEMENT
BOWEN FARM**

611	xxx	607	606	612	603	602	xxx	601	605	610	604
503	505	xxx	xxx	501	510	511	504	506	512	502	507
401	411	402	404	xxx	412	405	410	407	xxx	403	406
304	306	312	310	307	301	303	302	311	xxx	305	xxx
202	xxx	204	205	xxx	206	210	207	212	203	211	201
112	110	xxx	111	103	102	104	101	105	107	106	xxx

Treatment	Rate	Application
1. K 326	---	---
2. CC 13	---	---
3. CC 33	---	---
4. CC35	---	---
5. CC 65	---	---
6. NC 297	---	---
7. NC 196	---	---
8. xxx	---	---
9. xxx	---	---
10. PVH 2275	---	---
11. Temik & K 326	20 lb/A	Pre Plant Injection 2-3 week before
12. Temik & CC 35	20 lb/A	Pre Plant Injection 2-3 week before

DATA TO BE COLLECTED:

- Stand Counts
- Plant Height at 6 and 8 weeks
- Soil samples before plant and pre-treatment and at final harvest
- Vigor ratings at 2 weeks, 4 weeks, and 6 weeks
- Root gall ratings mid-season (4 weeks--5 plants per plot) and at final harvest (Evaluate using Zeck's scale)
- Yield

**** Note all parameters that would affect plant growth, nematode infestation and treatment differences**

03/19/2014 04/16/2014 05/27/2014

BOWEN FARM

**2014 NIMITZ (MCW-2) NEMATODES, TOBACCO CULTIVAR CC 35,
BOWEN FARM**

604	603	605	608	606	607	601	602
507	508	503	502	504	501	505	506
405	401	406	407	402	403	404	408
303	302	304	306	308	305	307	301
201	204	207	205	203	202	206	208
108	106	103	101	105	104	102	107

TREATMENT	RATE	APPLICATION*
1. MCW-2	2 pt/A	7 day PPI
2. MCW-2	3 pt/A	7 day PPI
3. MCW-2	4 pt/A	7 day PPI
4. MCW-2	5 pt/A	7 day PPI
5. MCW-2	6 pt/A	7 day PPI
6. MCW-2	7 pt/A	7 day PPI
7. Temik 15 G	20 lb/A	7 day PPI
8. Non-Treated	---	---

* Application in 12" band, rototilled and bedded.

Plot size: 1 row 35 ft replicated 6 times. RCB design.

Vigor ratings weekly post transplant. Plant height mid season.

Root Gall Rating mid season and at harvest.

Soil sample for nematodes mid season and at harvest.

Yield.

3/19/2014

BOWEN FARM

2014 NIMITZ (MCW-2) NEMATODES, TOBACCO CULTIVAR NC-71, BOWEN FARM

604	603	605	608	606	607	601	602
507	508	503	502	504	501	505	506
405	401	406	407	402	403	404	408
303	302	304	306	308	305	307	301
201	204	207	205	203	202	206	208
108	106	103	101	105	104	102	107

TREATMENT	RATE	APPLICATION*
1. MCW-2	2 pt/A	7 day PPI
2. MCW-2	3 pt/A	7 day PPI
3. MCW-2	4 pt/A	7 day PPI
4. MCW-2	5 pt/A	7 day PPI
5. MCW-2	6 pt/A	7 day PPI
6. MCW-2	7 pt/A	7 day PPI
7. Temik 15 G	20 lb/A	7 day PPI
8. Non-Treated	---	---

* Application in 12" band, rototilled and bedded.

Plot Size: 1 row 35 ft replicated 6 times. RCB design.

Vigor ratings weekly post transplant. Plant height mid season.

Root Gall Rating mid season and at harvest.

Soil sample for nematodes mid season and at harvest.

Yield.

3/19/2014

2014 Tobacco Variety Tests

Regional Small Plot Test

1. NC 2326
2. NC 95
3. K 326
4. XHN 52
5. CU 181
6. CU 158
7. NCEX 65
8. CU 178
9. GLEX 976
10. XHN 60
11. NCEX 63
12. AOV 413
13. CCEX 4
14. GLEX 965
15. CU 211
16. XHN 64
17. NCEX 62
18. CCEX 6
19. CCEX 5
20. NCEX 64
21. ULT 164
22. ULT 115
23. XHN 65
24. NCEX 66
25. CU 183
26. NCEX 67
27. CCEX 1
28. NC 71

Official Variety Test

1. K 346
2. NC 72
3. NC 92
4. NC 196
5. NC 297
6. NC 925
7. NC 938
8. NC 939
9. CC 13
10. CC 27
11. CC 33
12. CC 35
13. CC 37
14. CC 67
15. CC 143
16. CC 700
17. CC 1063
18. PVH 1452
19. PVH 2110
20. PVH 2254
21. PVH 2275
22. PVH 2310
23. Speight 168
24. Speight 225
25. GL 338
26. GL 395
27. GL 398
28. GF 318

Rep 3	10	16	28	14	2	8	20	12	24	5	4	18	6	26	20	16	6	14	25	23	27	7	12	24	5	11	4	2	Rep 3
	25	21	23	7	11	15	3	17	22	27	9	19	13	1	18	1	13	9	19	21	10	22	17	26	3	28	15	8	
	17	9	5	19	27	12	1	23	13	3	26	11	25	7	4	24	9	12	8	20	18	2	25	28	11	22	16	3	Rep 2
Rep 2	6	24	14	21	8	28	18	4	15	22	16	10	20	2	14	5	19	7	27	26	10	6	15	13	17	1	21	23	Rep 2
	28	27	26	25	24	23	22	21	20	19	18	17	16	15	28	27	26	25	24	23	22	21	20	19	18	17	16	15	Rep 1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	

Road

2014 Regional Farm Test
Field 6620

- | | |
|--------------|---------------|
| 1. NC 2326 | 2. NC 95 |
| 3. K 326 | 4. CU 45 |
| 5. NC EX 68 | 6. GL EX 309 |
| 7. PXH 12 | 8. NC EX 36 |
| 9. CU 185 | 10. GL EX 394 |
| 11. CU 208 | 12. CU 204 |
| 13. NC EX 69 | 14. NC EX 40 |
| 15. PXH 16 | |

Rep	5	5	10	10	12	12	6	6	3	3	8	8	4	4	13
3&6	7	7	1	1	9	9	14	14	11	11	15	15	2	2	13
Rep	6	6	4	4	15	15	10	10	8	8	12	12	3	3	1
2&5	13	13	7	7	5	5	9	9	2	2	11	11	14	14	1
Rep	15	15	14	14	13	13	12	12	11	11	10	10	9	9	8
1&4	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8

Road

2014 JM Variety Test
JV

Treatments:

1. NC 95
2. LMAFC 34
3. MAFC 5
4. LAFC 53

604	601	602	603
502	503	504	501
403	404	401	402
301	303	302	304
203	204	201	202
101	102	103	104
Road			

2014 NORTH CAROLINA FLUE-CURED TOBACCO OFFICIAL VARIETY TEST										
Commercial Varieties										
Trt. No	Variety or Line	Generation or Year of Release	Pedigree	BS	GW	FW	RK	Bn. Sp.	Virus	Sponsor
1	GF 318	2008	Hybrid	R	R		R			Raynor
2	Speight 220	2002	(K-346 X SP 117)(SP 116 X K 346)	R	R		R			CC
3	PVH 2275	2010	Hybrid		R		R1		PVY/TEV	Rickard
4	PVH 2110	2005	Hybrid		R		M.inco			Rickard
5	CC 33	2008	Hybrid	R	R		M.j/R			CC
6	Speight 225	2003	(SP 168 X K 346)(SPA-95 X (SPA-95 X SP 168)	R	R		R			CC
7	Speight 168	1996	Coker 371G X Spt. G 118	H	H		R			CC
8	NC 939	2012	Hybrid	R	R		TCN/R			NC
9	NC 299	2001	Hybrid	R	R		TCN/R			CC
10	CC 35	2007	Hybrid	R	R		M.j/R			CC
11	PVH 1118	2004	Hybrid	R	R		TCN/R			Rickard
12	PVH 2254	2011	Hybrid	R	R				TMV	Rickard
13	NC 471	2003	Hybrid	R	R				TMV	Raynor
14	CU 159	2013	Hybrid							SC
15	CU 144	2012	Hybrid							SC
16	GL 395	2010	Hybrid	R	R		R			GL
17	CU 186	2013	Hybrid							SC
18	K 326	1981	McNair 225 (McNair 30 x NC 95)	L	L		R			GL,Ric,CC
19	CC 67	2008	Hybrid	R	R		TCN/R		TMV	CC
20	CU 124	2012	Hybrid							SC
21	NC 938	2012	Hybrid	R	R		R		TMV	NC
22	CC 37	2006	Hybrid	R	R		TCN/R	M.j/R	TMV	CC
23	CC 143	2012	Hybrid	R	R		R			CC
24	CC 27	2003	Hybrid	R	R		TCN/R		TMV	CC
25	Speight 227	2003	(SP 151 X K 346)(SP 202 X K 346)	R	R		R			CC
26	NC 925	2010	N/A	R			R			GL,Ric,CC
27	GL 338	2009	Hybrid	R	R					GL
28	CC 700	2005	Hybrid	R	R		TCN/R			CC
29	GL 368	2009	Hybrid	R	R					GL
30	CC 13	2005	Hybrid	R	R		M.j/R			CC
31	NC 72	1996	Hybrid	H	L		R			Rickard
32	NC 196	2002	Hybrid	R	L		R			GL
33	PVH 1452	2006	Hybrid	R	R		TCN/R			Rickard
34	CU 171	2013	Hybrid							SC
35	NC 606	1998	NC 729 X NC 82	R	R		R			Raynor
36	CC 1063	2011	Hybrid	R	R		R			CC
37	NC 92	2007	Hybrid	R	R		TCN/R			Rickard
38	NC 297	1998	Hybrid	R	R		R		TMV	GL
39	RJR 901	2011	Hybrid	R	R		R			CC
40	Speight 236	2005	(SP 168 X SP 196)(SP 179 X SP 177)	R	R		R			CC
41	CU 110	2010	Hybrid							SC
42	NC 960	2013	Hybrid							NC
43	PVH 2310	2013	Hybrid	R		R	M.inco	M.ar	TMV/PVY	Rickard
44	PVH 2281	2013	Hybrid	R	R					Rickard
45	NC 2326	1965	(Hicks x 9102)(Hicks)(Hicks)(Hicks)	L	Su	M				NC
46	GL 362	2012	Hybrid	R	R		R		PVY	GL
47	PVH 1600	2013	Hybrid	R	R		M.inco			Rickard
48	NC 95	1961	(C-139 X Bel. 4-30) x (C-139 X Hicks)	L	H	M	R			NC
49	GL 398	2013	Hybrid	R	R		R			GL
50	K 346	1988	McNair 926 x 80241	H	H		R			GL

¹Resistance; H - High; M - Moderate; L - Low; R - Resistance; T - Tolerant; Su - Susceptable
Diseases: BS - Black Shank; GW - Granville Wilt; FW - Fusarium Wilt; RK - Root Know; Bn. Sp. - Brown Spot;
TMV - Tobacco Mosaic Virus; PVY - Potato Vius 'y'; TSMV - Tomato Spotted Wilt Virus;
TCN - Tobacco Cyst Nematode; TEV - Tobacco Etch Virus; M.j. - Meloidogyne javanica

2014 FLUE - CURED REGIONAL FARM TEST											
GEORGIA, SOUTH CAROLINA, NORTH CAROLINA, AND VIRGINIA											
Trt. No	Variety or Line	Generation or Year of Release	Pedigree	BS	GW	FW	RK	Bn. Sp.	Virus	Sponsor	
1	NC 2326	1965	(Hicks X 9102)(Hicks)(Hicks)Hicks)	L	Su	M				NC	
2	NC 95	1961	(C-139 X Bel. 4-30)X(C-139 X Hicks)	L	H	M	R			NC	
3	K 326	1981	McNair 225(McNair 30 X NC 95)	L	L		R			GL	
4	CU 45	F1	Hybrid							SC	
5	NCEX68	F1	Hybrid							NC	
6	GLEX 309	F1	Hybrid							GL	
7	PXH 12	F1	Hybrid							Rickard	
8	NCEX36	F1	Hybrid							NC	
9	CU 185	F1	Hybrid							SC	
10	GLEX 394	F1	Hybrid							GL	
11	CU 208	F1	Hybrid							SC	
12	CU 204	F1	Hybrid							SC	
13	NCEX69	F1	Hybrid							NC	
14	NCEX40	F1	Hybrid							NC	
15	PXH 16	F1	Hybrid							Rickard	
¹ Resistance; H - High; M - Moderate; L - Low; R - Resistance; T - Tolerant; Su - Susceptible Diseases: BS - Black Shank; GW - Granville Wilt; FW - Fusarium Wilt; RK - Root Know; Bn. Sp. - Brown Spot; TMV - Tobacco Mosaic Virus; PVY - Potato Virus 'y'; TSMV - Tomato Spotted Wilt Virus; TCN - Tobacco Cyst Nematode; TEV - Tobacco Etch Virus; M.j. - Meloidogyne javanica											

2014 UNIVERSITY OF GEORGIA
COOPERATIVE EXTENSION SERVICE
TOBACCO ON-FARM DEMONSTRATIONS

Title: SIDEDRESS NITROGEN FERTILIZER SOURCE DEMONSTRATION

Farmer Name/Address: CPES - BOWEN FARM County: TIFT

Extension Specialist Responsible: J. MICHAEL MOORE

Plot Size: 2 (44") ROWS X 58.5', 10' Alleys

Variety: K 326 Soil Type: SL Date Transplanted: (4-7-14)

Crop History: 2012; Peanuts 2013; Fallow

Herbicide/Rate: PPI; PROWL H2O @ 32 oz Post Plant;

Fungicides/Rate: Nematicides/Rate: TELONE II, 10 gals (fall 13)

Soil Insecticide/Rate: LORSBAN 2 QT/A; CORAGEN 7 oz/A in TRSP Water (220 gal/A)
ADMIRE PRO tray drench in GH 1.0 oz/1000

Foliar Insecticide/Rate:

Fertility Program: AS PER TREATMENTS Date: 4/23/14; 5/07/14

Rainfall: March; April; May; June; July; August;

Topping: Date; Average No. Leaves Per Plant;

Sucker Control:

Material; Rate/Acre; Date;

410	409	408	407	406	405	404	403	402	401	58.5'
309	304	305	306	310	303	301	302	307	308	58.5'
205	206	207	201	209	208	202	210	203	204	58.5'
101	102	103	104	105	106	107	108	109	110	58.5'

Trt	Analysis	lb/A	lb/row	g/row	(N-P-K)	Analysis	lb/A	lb/row	g/row	(N-P-K)
1	6-6-18	667	3.28	1489	(40-40-120)	15.5-0-0	226	1.1	509	(75-40-180)
						0-0-22	272	1.3	607	
2	6-6-18	667	3.28	1489	(40-40-120)	6-6-18	583	2.9	1304	(75-75-225)
3	6-6-18	667	3.28	1489	(40-40-120)	34-0-0	103	0.51	232	(75-40-120)
4	6-6-18	667	3.28	1489	(40-40-120)	34-0-0	103	0.51	232	(75-40-180)
						0-0-22	272	1.3	607	
5	6-6-18	667	3.28	1489	(40-40-120)	15.5-0-0	226	1.1	509	(75-40-180)
						0-0-60	100	0.50	225	
6	6-6-18	667	3.28	1489	(40-40-120)	34-0-0	103	0.51	232	(75-40-180)
						0-0-60	100	0.50	225	
7	15.5-0-0 0-0-22	258	1.27	576	(40-0-0)	15.5-0-0	226	1.1	509	(75-0-180)
		544	2.7	1216	(0-0-120) [40-0-120]	0-0-22	272	1.3	607	
8	15.5-0-0 0-0-60	258	1.27	576	(40-0-0)	15.5-0-0	226	2.37	1085	(75-0-180)
		200	0.98	447	(0-0-120) [40-0-120]	0-0-60	100	0.50	225	
9	6-6-18 0-0-22	334	1.6	745	(20-20-180)	15.5-0-0	355	1.76	800	(75-20-180)
		550	2.7	1226						
10	6-6-18 13-0-46	334	1.6	745	(20-20-60)	15.5-0-0	135	0.67	302	(21 - 0 - 0) (14-0-49) [75-20-180]
		154	0.76	343	(20-0-71)	13-0-46	107	0.52	238	

Updated 4/23/14

Bowen Farm Transplant Water Fertilizer Test - 2014

J. Michael Moore, Extension Agronomist - Tobacco

Steve LaHue, Research Coordinator

Trt No.	Treatment	Per 220 gal TPW / A	Per 10 gal mix	Visual Ratings	
				5 3 14	5 10 14
1	Non-Treated			2	1
2	Ultrasol 9-45-15	8 lb	165 g	3.25	2.8
3	Ultrasol 9-45-15	12 lb	248 g	4	3
4	Chem-Sol 9-45-15	8 lb	165 g	3.25	2.8
5	Chem-Sol 9-45-15	12 lb	248 g	4	3
6	Ultrasol 10-52-8	7 lb	144 g	3	2
7	Ultrasol 10-52-8	11 lb	227 g	3.75	3
8	Black Label 6 20 0	1.5 gal/A	258 ml	3	3
9	Black Label 6 20 0	2.0 gal/A	343 ml	4.25	3.8
10	10 34 0	1.18 gal/A	203 ml	3.25	3.5
11	Monty's Carbon	0.5 gal/A	43 ml in 5 gal mix		

Plot stake is in the left row.

Plot Numbers: First digit = rep. number, Third digit = treatment number

Row Length: 59' (30 plants) X 2 rows X 4 reps = 0.396 A/Trt

Treated: 4/; Tranplanted: 4/17/14

Variety: K 326; Transplant water: 220 gpa

Admire Pro 1.0 oz/1000 plts

Visual Ratings: 1- 5; lowest - greatest

last updated: 4/22/14

Bowen Farm Transplant Water Fertilizer Test

508	410	409	408	407	406	405	404	403	402	401
511	307	304	310	302	308	301	306	309	305	303
501	206	205	209	201	210	208	203	202	204	207
502	101	102	103	104	105	106	107	108	109	110

T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B	T	B
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

First row on North is next to first treated row of variety test.

N <-> S

Integrated management of thrips and Tomato spotted wilt virus in Tobacco

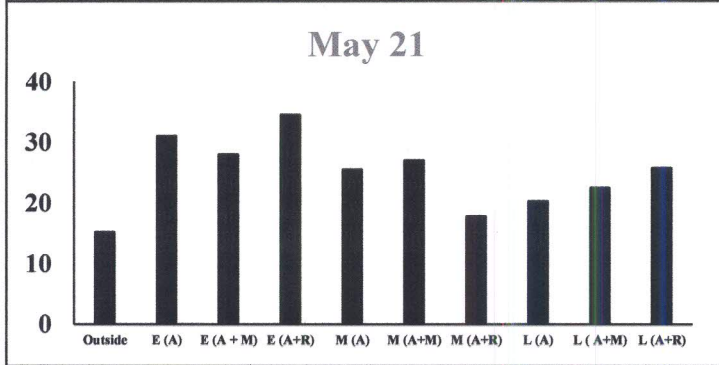
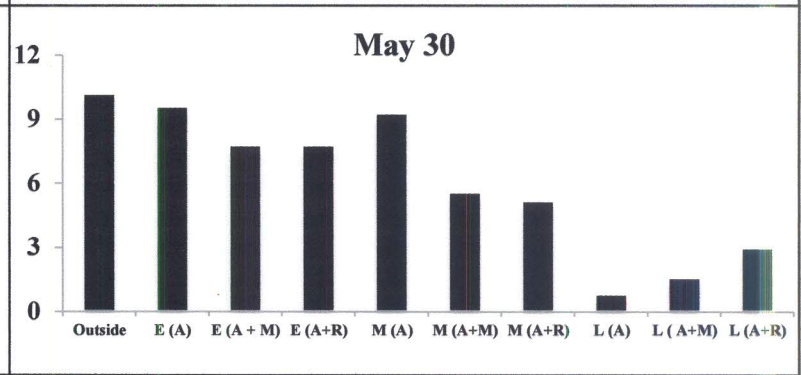
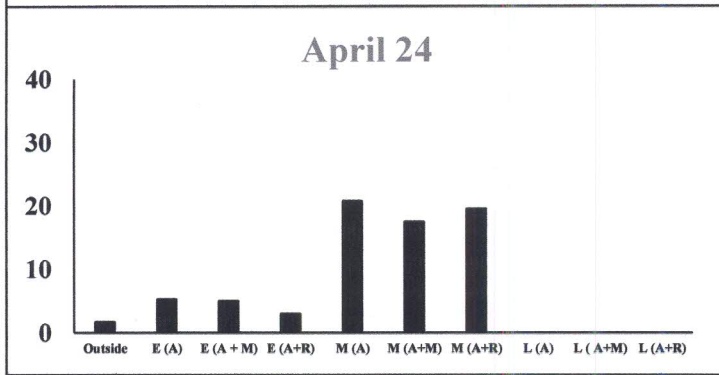
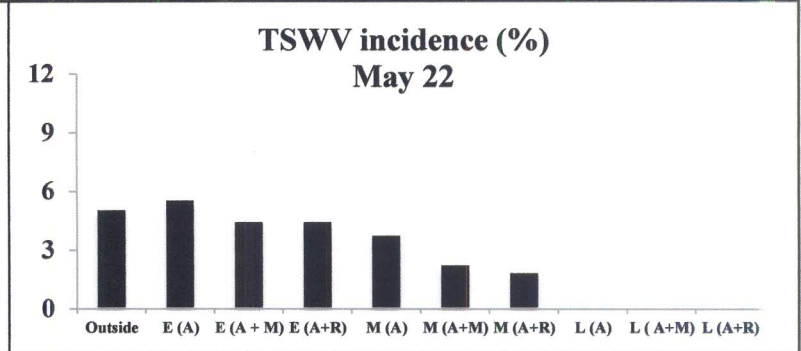
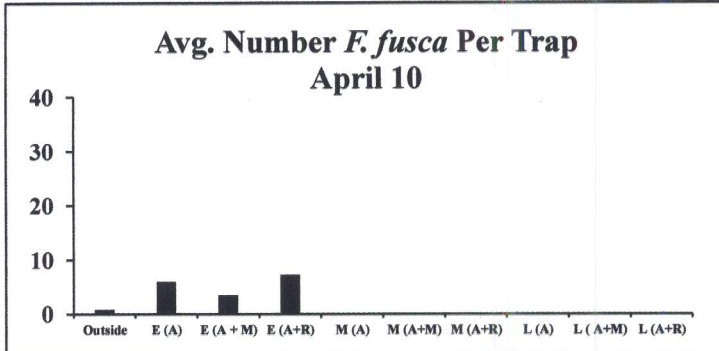
R. Srinivasan¹, S. Diffie¹, and A. Csinos²

¹Department of Entomology, ¹Department of Plant Pathology, University of Georgia, Tifton Campus

Tomato spotted wilt virus (TSWV) is transmitted by thrips. TSWV incidence, in recent years, is low when compared to the 1990s. However, TSWV still remains a chronic problem in tobacco production in Georgia and in other southeastern states. Losses typically extend anywhere up to 20%. TSWV is transmitted by thrips. In Georgia, both tobacco thrips (*Frankliniella fusca*) and western flower thrips (*Frankliniella occidentalis*) are known to transmit TSWV to tobacco. However, tobacco thrips are considered more important than western flower thrips, as they tend to occur early in the season when tobacco plants are at a very susceptible stage to TSWV.

In contrast to other crops infected by TSWV, there is very little, if any, genetic resistance in tobacco against TSWV. This has made TSWV management in tobacco extremely challenging. A number of cultivars/breeding lines are routinely tested for TSWV (among other pests and pathogens), but lack of consistent TSWV pressure has made it difficult to identify tolerant genotypes. Hence, growers exclusively rely on other management tactics. The other common management options include usage of plant defense regulators such as acibenzolar-S-methyl (Actigard[®]) and insecticides such as imidacloprid. Insecticides such as imidacloprid are vital to tobacco production. However, thrips are known for their ability to develop resistance to insecticides (including imidacloprid) rather rapidly. The resistance status of thrips to imidacloprid in Georgia is unknown. But our goal is to be proactive and identify alternatives to usage of imidacloprid in tobacco production. In 2014, we evaluated two alternatives to imidacloprid. Their effects on thrips and TSWV incidence are illustrated in the next page.

Timing of planting and peak thrips activity could be very crucial in influencing TSWV incidence. Young tobacco plants are the most susceptible to TSWV. Therefore, it is critical to ensure that tobacco is planted before or after the peak thrips activity. Tobacco was planted in three planting dates in 2014 on April 1, 14, and 28 respectively. The trials are ongoing. In 2014, we also assessed the effects of volunteer hosts of TSWV (TSWV-infected peanut volunteers) on TSWV incidence. In 2014, early on, Movento[®] treated plants had fewer thrips than Actigard[®] treated plants. Also, more thrips were observed on mid season plants than on early season plants. However, TSWV incidences in late season plants were lower than TSWV incidences in early and mid season plants. Also, TSWV incidences in Actigard[®] + Movento[®] treated plants were lower than in Actigard[®] and Actigard[®]+ Radiant[®] treated plants. TSWV incidences in Actigard[®] treated plants were not different from TSWV incidences in untreated plants. These results indicate that insecticide treatments in conjunction with Actigard[®] could help reduce TSWV incidence in tobacco and that alternatives to imidacloprid are available. TSWV incidence in tobacco also increased with volunteer plants.



Left panel graphs indicate temporal distribution of tobacco thrips, *F. fusca*. Right panel graphs indicate temporal incidence of TSWV in tobacco.

E- indicates early planting; M and L indicate mid and late planting, respectively. A-indicates Actigard®, and M and R indicate Movento® and Radiant®, respectively. Outside plants indicate that they were not treated with Actigard® or an insecticide

Table 1. Variety, Pedigree, Sponsor and Disease Resistance of the 2014 Released Variety Test (commercially available varieties), Brian Lanier Farm, Berrien County, GA. (31°09'17.16" N, 83o08'11.27" W) – barns/plot, Eddie Beasley, County Extension Agent

Trt No	VARIETY	PEDIGREE	SPONSOR	Disease Resistance					
				BS	GW	FW	RK	BSp	Virus
4.	GF 318	F1 Hybrid	Raynor	R	R		R		
1.	GL 338	F1 Hybrid	Gold Leaf Seed Co	R	R				
2.	GL 395	F1 Hybrid	Gold Leaf Seed Co	R	R		R		
3.	NC 196	F1 Hybrid	Gold Leaf Seed Co	R	L		R		
5.	CC 1063	F1 Hybrid	Cross Creek Seed	R	R		R		
6.	CC 35	F1 Hybrid	Cross Creek Seed	H	L		R		
7.	CC 143	F1 Hybrid	Cross Creek Seed	R	R		R		
8.	CC 700	F1 Hybrid	Cross Creek Seed	R	R		TCN /R		
9.	PVH 2110	F1 Hybrid	F.W. Rickard	R	R		R		
10.	PVH 2254	F1 Hybrid	F.W. Rickard	R	R		R		
11.	PVH 2275	F1 Hybrid	F.W. Rickard	H	L		R		TMV PVY
12.	NC 925	F1 Hybrid	F.W. Rickard	R	R		MjA		

¹Resistance: H - High; M - Moderate; L - Low; R- Resistant; T - Tolerant; SU – Susceptible Diseases: BS - Black shank; GW - Granville Wilt; FW - Fusarium Wilt; RK - Root Knot; R1&3-*Meloidogyne Incognita* Race1 & Race3; Bn. Sp. - Brown spot; TMV - Tobacco Mosaic Virus; PVY - Potato Virus ‘Y’; TSWV – Tomato Spotted Wilt Virus; TCN - Tobacco Cyst Nematode; TEV - Tobacco Etch Virus;
Sponsor: AOI-Alliance One; Clemson-Clemson University; CC-Cross Creek Seed Co; GL-Gold Leaf Seed Company; Gwynn Farms; NCSU-NC State University; RJR- RJ Reynolds Tobacco Company; Rickard-F.W. Rickard Seed Co; SPT-Speight Seed Farms; ULT-Universal Leaf Tobacco Co

Seeded: 1/23/14

Transplanted 4/4/14

MONITORING SPOTTED WILT INCIDENCE AND TREATMENT EFFICACY

**Ben Smith, Coffee County
Mark von Waldner, County Extension Agent**

**TREATED
UNTREATED**

**TREATED
UNTREATED**

**TREATED
UNTREATED**

**TREATED
UNTREATED**

EVALUATION OF VARIETIES FOR RESISTANCE TO BLACK SHANK

THE INITIAL PURPOSE OF THIS SET OF TRIALS WAS TO EVALUATE THE NEW VARIETY **CC-143** COMPARED TO K-326 AND SOME OTHER VARIETIES WITH SOME KNOWN BLACK SHANK RESISTANCE.

THE GROWERS RIDOMIL PROGRAM WAS USED AT ALL SITES. K-326 WAS PLANTED AT ALL LOCATIONS. CC-143 WAS PLANTED AT ALL BUT ONE LOCATION.

COUNTY	FARM	NO. VARIETIES	COUNTY AGENT
CLINCH	STANLEY CORBITT	FOUR	JUSTIN SHEALY
BROOKS	ROBINSON FARMS	FOUR	GARVIN NICHOLS
PIERCE	AL DEAN DAVIS	FOUR	JAMES JACOBS
BERRIEN	DAVID HENDLEY	FOUR	EDDIE BEASLEY
BERRIEN	VICKERS FARMS	FOUR	EDDIE BEASLEY
JEFF DAVIS	JERRY WOOTEN	FOUR	TIM VARNADORE
ATKINSON	JIMMY CORBITT	SIX	MARK von WALDNER
COFFEE	BRANDON KIRKLAND	SIX	MARK von WALDNER
IRWIN	ROB SMITH	EIGHT	PHILLIP EDWARDS

MONITORING SPOTTED WILT INCIDENCE AND TREATMENT EFFICACY

**Darrell Smith, Coffee County
Mark von Waldner, County Extension Agent**

**TREATED
UNTREATED**

**TREATED
UNTREATED**

**TREATED
UNTREATED**

**TREATED
UNTREATED**

DARRELL SMITH FARM (COFFEE CO.)
TRANSPLANTED: 11 APRIL 2014
VARIETY: NC-196

% SPOTTED WILT AT 8 WEEKS
ACTIGARD+ADMIRE PRO UNTREATED

12.9

19.1

Table 1. Variety, Pedigree, Sponsor and Disease Resistance of the 2014 Released Variety Test (commercially available varieties), Danny and Jared Turner Farm, Appling County, GA. N 31°35.838', W082°12.5 20', 8959 Hwy 121, Surrency, GA 31563, Shane Curry, County Extension Agent.

Trt No	VARIETY	PEDIGREE	SPONSOR	Disease Resistance					
				BS	GW	FW	RK	BSp	Virus
1.	GL 338	F1 Hybrid	Gold Leaf Seed Co	R	R				
2.	GL 395	F1 Hybrid	Gold Leaf Seed Co	R	R		R		
3.	NC 196	F1 Hybrid	Gold Leaf Seed Co	R	L		R		
4.	GF 318	F1 Hybrid	Raynor	R	R		R		
5.	CC 1063	F1 Hybrid	Cross Creek Seed	R	R		R		
6.	CC 35	F1 Hybrid	Cross Creek Seed	H	L		R		
7.	CC 143	F1 Hybrid	Cross Creek Seed	R	R		R		
8.	CC 700	F1 Hybrid	Cross Creek Seed	R	R		TCN /R		
9.	PVH 2110	F1 Hybrid	F.W. Rickard	R	R		R		
10.	PVH 2254	F1 Hybrid	F.W. Rickard	R	R		R		
11.	PVH 2275	F1 Hybrid	F.W. Rickard	H	L		R		TMV PVY
12.	NC 925	F1 Hybrid	F.W. Rickard	R	R		MjA		

¹Resistance: H - High; M - Moderate; L - Low; R- Resistant; T - Tolerant; SU – Susceptible Diseases: BS - Black shank; GW - Granville Wilt; FW - Fusarium Wilt; RK - Root Knot; R1&3-*Meloidogyne Incognita* Race1 & Race3; Bn. Sp. - Brown spot; TMV - Tobacco Mosaic Virus; PVY - Potato Virus ‘Y’; TSWV – Tomato Spotted Wilt Virus; TCN - Tobacco Cyst Nematode; TEV - Tobacco Etch Virus;
 Sponsor: AOI-Alliance One; Clemson-Clemson University; CC-Cross Creek Seed Co; GL-Gold Leaf Seed Company; Gwynn Farms; NCSU-NC State University; RJR- RJ Reynolds Tobacco Company; Rickard-F.W. Rickard Seed Co; SPT-Speight Seed Farms; ULT-Universal Leaf Tobacco Co

Seeded: 1/23/14

Transplanted 4/11/14

**THANK YOU FOR YOUR INTEREST IN THE
2014 GEORGIA - FLORIDA TOBACCO TOUR**

**PLAN TO JOIN US FOR THE
2015 GEORGIA - FLORIDA TOBACCO TOUR**

JUNE 8-10, 2015



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development.

ATTENTION! PESTICIDE PRECAUTIONS

1. **Observe all directions, restrictions and precautions on pesticide labels. It is dangerous, wasteful and illegal to do otherwise.**
2. **Store all pesticides in original containers with labels intact and behind locked doors. "KEEP PESTICIDES OUT OF THE REACH OF CHILDREN."**
3. **Use pesticides at correct label dosage and intervals to avoid illegal residues or injury to plants and animals.**
4. **Apply pesticides carefully to avoid drift or contamination of non-target areas.**
5. **Surplus pesticides and containers should be disposed of in accordance with label instructions so that contamination of water and other hazards will not result.**
6. **Follow directions on the pesticide label regarding restrictions as required by State or Federal Laws and Regulations.**
7. **Avoid any action that may threaten an Endangered Species or its habitat. Your county Extension agent can inform you of Endangered Species in your area, help you identify them, and through the Fish and Wildlife Service Field Office identify actions that may threaten Endangered Species or their habitat.**

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**Dr. Scott Angle, Dean and Director
The University of Georgia College of Agricultural and Environmental Sciences**