

2017

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**

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

2017 GEORGIA TOBACCO TOUR

ADAMA

**Ag South Farm Credit,
Douglas, Statesboro, Perry**

**Alliance One
International**

Altria Client Services

Arysta LifeScience

B.F.D. Tobacco Equip.

Bayer Crop Sciences

**Big Independent
Warehouse**

Carolina Soil Company

Catalytic Generators

Cureco, Inc.

Dow AgroSciences LLC

Drexel Chemical Co.

Dupont

Fair Products

FMC

F W Rickard Seeds Inc

GoldLeaf Seed Co.

Nachurs Southeast

R.J. Reynolds

**SQM North America
Corp**

Syngenta

**U.S. Tobacco
Cooperative**

Valent

YARA North America



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 2017 GEORGIA-FLORIDA TOBACCO TOUR

Monday, June 12, 2017

<http://www.GeorgiaTobacco.com>

Travel Mileage Directions

5:00 pm - Check-in **Quality Inn & Holiday Inn Express & Suites - 1761 Memorial Drive
Waycross, Georgia 31501
PH: 912 548 0720**

7:00 pm - Supper –Directions: From Quality Inn and Suites to **Johnson’s Pond House,
5395 Hacklebarney Rd
Blackshear, GA**

Travel

- * Right out of Quality Inn onto MEMORIAL DR/US-1 N toward US-82. Continue to follow MEMORIAL DR.
- 1.3 mi Turn right onto Plant Ave/US-84 E/US-1 N/US-23 N/GA-4/GA-38. Continue to follow US-84 E/GA-38
- 5.0 mi. Turn left onto Hacklebarney Rd. at traffic light
- 0.5 mi Stop, then cross Ware St.
- 0.2 mi Right on Hacklebarney Rd. at Hacklebarney Baptist Church
- 3.2 mi **5395 HACKLEBARNEY RD** is on the left. Your destination is 0.2 miles past Ridge Rd. If you reach Williamson Rd you've gone about 0.1 miles too far

Tuesday, June 13, 2017

Time/Mileage Directions

- 7:30 am** - **Leave Quality Inn parking lot.**
- * Right out of Quality Inn onto MEMORIAL DR/US-1 N/US-23 N/GA-4 N toward US-82/GA-520/CORRIDOR Z/S GEORGIA PKWY. Continue to follow
- 1.3 mi Turn right onto Plant Ave/US-84 E/US-1 N/US-23 N/GA-4/GA-38. Continue to follow US-84 E/GA-38
- 5.0 mi. Turn left onto Hacklebarney Rd. at traffic light
- 0.5 mi Stop, then cross Ware St.
- 0.2 mi Right on Hacklebarney Rd. at Hacklebarney Baptist Church
- 3.9 mi Turn left onto Cason Rd.
- 1.0 mi Turn right on Clifford Loop
- 0.8 mi Right on Guest Rd
- 4.2 mi Right onto Radio Station Rd,
- 0.25 mi Plot on Right

Tuesday, June 13, 2017

Mileage Directions (* - indicates traffic assistance needed)

**5:00 pm Right at light Hwy 82, Right at light Hwy 319, Right into Hampton Inn,
Left into Holiday Inn Express.**

7:00 pm Dinner – Charles Seafood, 701 7th St W, Tifton, GA 31794

Wednesday, June 14, 2017

Mileage Directions (* - indicates traffic assistance needed)

8:00 am Exit Cracker Barrel left onto Hwy 319

Right onto Hwy 82 E

Virginia Avenue

0.1 mi Magnolia Avenue

0.6 mi Ridge Avenue

0.2 mi Central Avenue

Cross RR

0.1 mi Commerce Avenue

0.2 mi Main Street

0.1 mi Tift Avenue

1.3 mi Left onto Hwy 319 N toward Ocilla (across from Dixie Station)

3.0 mi Right on Goat Rd at Mile Marker 16

1.5 mi Left into Bowen Farm Drive.

**8:15 UGA Tifton Campus Bowen Farm, (Meet at Pivot Control Station)
133 Goat Rd W, Tifton, GA N 31 28.41.1 W 83.26.26.4**

**8:20 am Welcome to UGA Bowen Farm - 133 Goat Rd W, Tifton, GA
Joe West, Assistant Dean for the UGA Tifton Campus
Steve LaHue, Tobacco Research Coordinator**

**8:30 am Katy Summers, UGA Crop & Soil Sciences Graduate Student
Evaluation of low alkaloid tobacco lines for future usability**

**8:30 am J. Michael Moore, Extension Agronomist - Tobacco
Tobacco Budworm Test
Transplant Water Fertilizer Test
Durivo Trial**

**8:50 am Steve LaHue, Tobacco Research Coordinator
Regional Variety Small Plot Test
Regional Variety Farm Test
Georgia Official Variety Test**

**9:10 am J. Michael Moore, Extension Agronomist - Tobacco
C₁₀ Fatty Alcohol Rate Test**

**9:30 am Alex Csinos, Pathologist
Nimitz Application Methods (ADAMA)
Evaluation of New and Experimental Nematicides
Cultivar – Nimitz / Velum Total Trial**

Wednesday, June 14, 2017

Mileage Directions (* - indicates traffic assistance needed)

9:50 am **Paul Bertrand, Pathologist**
Transplant Date X TSWV Treatment Trial

10:10 am **R. (Babu) Srinivasan, Entomologist**
Tobacco Entomology Research Projects

Right out of Bowen Farm
0.66 mi Left onto Hwy 319
1.0 mi Right onto Arnett Milling Rd
0.6 mi Cross at stop sign at new River Church Rd onto Kent Rd.
1.0 mi Left at traffic light onto Old Ocilla Rd
0.2 mi Right at traffic light onto 20th Street
0.9 mi Cross at light at Hwy 125/Tift Ave
0.5 mi Through light at Murray Ave
0.4 mi Cross at light at Hwy 41
0.2 mi Right onto Moore Hwy
0.1 mi Left onto Rainwater Rd
0.3 mi Left into Entomology Dr.
0.5 mi Arrive Black Shank Nursery

10:45 am University of Georgia Tifton Campus - Black Shank Nursery

Alex Csinos, Pathologist
Evaluation of Tobacco Cultivars and New Fung.
Drexel Phiticide

0.5 mi Leave Black Shank Nursery on Entomology Dr
0.1 mi Right onto Rainwater Rd
0.2 mi Left onto Moore Hwy
0.2 mi Right onto RDC Road
0.2 mi Right into University of Georgia Tifton Campus Conference Center

11:30 am Sponsored Lunch-Compliments of The Georgia Tobacco Commission
-12:45 Tifton Campus Conference Center, Tifton

After lunch Right out of RDC drive
0.2 Right onto RDC Road
0.2 Right onto Hwy 41
0.2 Right onto I-75 S
50 Right on St Rd 143 in Jennings at first Exit 16 Valdosta, GA
Follow US 84 W downtown,
0.3 Right on Hill Ave
2.5 Right on S Patterson St
0.8 Slight right turn on Griffin Ave.
8.5 Sharp Left on Boring Pond Rd.
0.4 Right on Lake Park Rd
0.2 Plot on right behind house.

4:55 pm

Roosevelt & Travis Dicks Farm - Organic Tobacco Production
N 29 58.41.79, W 82 38.35.11
5821 SW Tustenuggee Ave, Lake City, FL,

**THIS IS THE END OF
THE 2017 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

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!!!

ON FARM SCREENING VARIETIES FOR BLACK SHANK RESISTANCE

Eight varieties have been planted in four rep randomized complete blocks at five locations in Georgia. The varieties chosen for test are four that have shown high resistance in past trials. Also included are K-326 as a standard of low resistance and K-346 as a standard of high resistance. The other two entries (PVH-1600 and NC-1226) have uncertain resistance to black shank.

The test varieties are:

CC-143

CC-1063

GL-395

K-326

K-346

NC-938

NC-1226

PVH-1600

The trials are located as shown in the table below:

COUNTY	CO. AGENT	GROWER
ECHOLS	J. SHEALEY	S. CORBETT
LANIER	J. TAYLOR	R. COOK
ATKINSON	T. BARNES	J. CORBITT
BEN HILL	H. ANDERSON	B. GRIFFIN
PIERCE	J. JACOBS	J. DAVIS

Comparison of Verimark Insecticide Application
to Tobacco Transplants for Control of Insects
and Suppression of Tomato Spotted Wilt Virus

Daniel Johnson Farm, Pierce Co., GA

J. Michael Moore, Extension Agronomist & James Jacobs, Pierce Co. CEC
229-392-6424 912-281-4926

<u>Trt.</u>	<u>Treatment</u>		<u>TPW</u>	<u>Plant Treatment</u>
1	Admire Pro - tray drench	1.2 oz / 1000 cells	fresh water	AP TD plants
2	Non-treated check	No chemical	fresh water only	Untreated plants
3	Verimark - tray drench	16 ml / 90 ml of water per tray + 90 ml rinse	fresh water	Verimark TD
4	Verimark - Trsp Water	13.75 oz / 50 gal water / Acre (6.75 oz / 25 gal)	Verimark TPW	Untreated plants
5	Verimark - Trsp Water	13.75 oz / 50 gal water / Acre (6.75 oz / 25 gal)	Verimark TPW	AP TD plants
6	GROWER TREATMENT	AP TD = 1.2 oz/1000 cells, Alias TPW = 5 oz/A, Coragen TPW = 7 oz/A		AP TD plants

Start with 75 gal of fresh water

start with fresh water and transplant three treatments (Admire Drench, Check, Verimark td)

drain to 25 gal and add 6.75 oz of Verimark

TREATMENTS & FLAGGING

Red	Dark Green	Yellow	Florescent Green	no flags
1 AP TD water	2 CK water	3 Ver TD water	4 Verimark trsp water	5 Verimark TPW + AP TD

PLOT PLAN

240 plants		140 plants		
Florescent Green	no flags	4 Verimark trsp water	5 Verimark TPW + AP TD	8 rows
Yellow	Dark Green	3 Verimark TD water	2 CK water	8 rows
Red	Dark Green	1 AP TD water	2 CK water	8 rows
GROWER TREATMENT	no flags	remainder of field		
6 Alias TPW + AP TD + Coragen				

Pivot Control

TD = Tray Drench

TPW = Transplant Water

Coragen = 7 oz/A

AP TD = 7 oz/A

Alias = TPW 5 oz

Verimark TPW = 13.75 oz/A

Verimark TD = 16 ml/tray

DANIEL JOHNSON

912 288 7435 cell

2747 Daniel Rd.

ALMA, GA 31516

dljfarm@gmail.com

Variety: K 196

transplanted 5 2 17

GPS Location 31°24'07"N 82°23'16"W

Table 1. Variety, Pedigree, Sponsor and Disease Resistance of the 2017 Released Variety Test (commercially available varieties), Reid Turner Farm, Appling County, GA. (31°38'08"N 82°17'04"W), Buck Williams Rd, Baxley, GA 31513 – plot, Shane Curry, County Extension Agent

Trt	VARIETY	PEDIGREE	SPONSOR	Disease Resistance					
				BS	GW	FW	RK	BSp	Virus
1.	K 326	McNair 225 (McNair 30 X NC95) Gold Leaf Seed Co		L	L		R		
2.	NC 196	F1 Hybrid	Gold Leaf Seed Co	H	R		R		
3.	GL 395	F1 Hybrid	Gold Leaf Seed Co	M	M		R		
4.	GL 398	F1 Hybrid	Gold Leaf Seed Co	R	R		R		
5.	NC 938	F1 Hybrid	GL, RI, CC	H	M		R		
6.	NC 1226	tested as NCEX79	NCSU						
7.	CC 143	F1 Hybrid	Cross Creek Seed	H	R		R		
8.	CC 1063	F1 Hybrid	Cross Creek Seed	H	R		R		
9.	GL 309	F1 Hybrid	Gold Leaf Seed Co						
10.	PVH 1118	F1 Hybrid	F.W. Rickard	R	M		M.in		
11.	PVH 1600	F1 Hybrid	F.W. Rickard	R	H		M.in		
12.	PVH 2310	F1 Hybrid	F.W. Rickard	L	M	L	M.in M.a		TMV PVY

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: 1/31/17; Transplanted 4/14/17;

MONITORING SPOTTED WILT INCIDENCE WITH UNTREATED vs TREATED SEEDLINGS

The recommended treatment program for spotted wilt management is being evaluated at 18 locations in and around Coffee County Georgia. Each test consists of four trays of untreated seedlings planted among Actigard 50WG + imidacloprid treated seedlings on each farm. Spotted wilt evaluations are done visually on the entire contents of each untreated tray and an adjacent treated tray every two weeks beginning two weeks after transplant and continuing until 12 weeks after transplant.

%TSWV AT 6 WEEKS¹

FARM	COUNTY	TP DATE	CK ²	A+A ³
NH #1	WARE	10 APRIL	14.2	2.9
JA #1	COFFEE	10 APRIL	3.8	1.0
JA #2	COFFEE	11 APRIL	3.0	0.6
JA #3	COFFEE	11 APRIL	8.5	2.2
WM ^C #1	COFFEE	12 APRIL	14.2	2.9
TA	COFFEE	13 APRIL	16.1	3.5
RS #1	IRWIN	13 APRIL	7.1	1.1
TH	BERRIEN	13 APRIL	4.1	2.6
DH	BERRIEN	13 APRIL	8.6	3.8
BL	BERRIEN	14 APRIL	8.2	7.1
DK	BERRIEN	15 APRIL	4.8	1.2
BG	BEN HILL	15 APRIL	17.6	17.4
RS #2	IRWIN	17 APRIL	2.3	0.2
BS	COFFEE	17 APRIL	10.4	2.9
RS #3	COFFEE	19 APRIL	4.5	1.3
DS	COFFEE	19 APRIL	3.3	2.6
NH #2	COFFEE	19 APRIL	5.0	2.0
WM ^C #2	COFFEE	21 APRIL	17.8	3.2

1. % Spotted wilt at six weeks after transplanting.
2. % Spotted wilt in plants grown from untreated seedlings
3. % Spotted wilt in plants grown from seedlings treated with a foliar spray of Actigard 50WG @ 1.0 oz./100,000 seedlings followed by a spray on/rinse off tray drench of Admire Pro @ 0.8-1.0 oz./1,000 tray cells

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2017 BLACK SHANK VARIETY TRIAL

PLOT IS 32 ROWS (8 VAR. X 4 REPS) X ONE TRAY LONG (~200 SEEDLINGS)

VARIETY

1 XX
2 XX
3 XX
4 XX
5 XX
6 XX
7 XX
8 XX

7 XX
4 XX
2 XX
1 XX
5 XX
3 XX
6 XX
8 XX

1 XX
5 XX
4 XX
8 XX
3 XX
2 XX
7 XX
6 XX

8 XX
4 XX
1 XX
7 XX
3 XX
2 XX
6 XX
5 XX

TRANSPLANT DATE:
TRANSPLANT WATER TREATMENT:
LAYBY TREATMENT:

Comparison of Nematicides

Trent Hughes

Eddie Beasley, County Extension Agent

Berrien County, GA

This is a replicated comparison of Nimitz, Telone II and a Non-Treated Check for nematode control.

Nimitz – Yellow flags 2.5 pt/A in a 24" band

Check – Orange flags

Telone II – pink flags 6 gal/A in the row

2017
 Evaluation of Low Alkaloid Tobacco Lines for Chlorophyll Levels,
 Flowering Dates and Relative Ripening Rates
 UGA Tifton Campus Bowen Farm

104	203	301	402	504	602	701	802
103	201	302	403	501	603	704	801
102	204	304	401	502	604	702	803
101	202	303	404	503	601	703	804

8 replications of 2 row plots 58' long

Requires approximately 742 plants of each line if spacing is 20" in the drill, requiring 4 x 242 cell trays if yield is 200 plants/tray

Goal is to obtain at least 100 lb of cured tobacco from composite over all 4 harvests for each line.

Treatments

1. S5727 NC 95
2. S5728 MAFC 5
3. S5729 LMAFC 34
4. S5730 LAFC 53

Data

Plant stand %

Days to flower (50% of plants topped, topping when pink on one flower)

Plant height

Leaf Number

SPAD by stalk position (each harvest)

 After topping (every 7 days)

Yield per acre

Grade evaluate % slick & tight faced grades

2017
 Foliar Tobacco Budworm Insecticide Test
 University of Georgia, Tifton Campus Bowen Farm
 133 W. Goat Road, Tifton, GA 31794

J. Michael Moore, Extension Agronomist - Tobacco
 Stevan LaHue, Bowen Farm Senior Agricultural Specialist

Trt	Material	Formulation	Rate	4 gal mix	Application Method
1	Dipel	DF	0.5 lb/A	25.9 g	Foliar
2	Dipel	DF	1 lb/A	51.9 g	Foliar
3	Coragen	SC 1.67 LG	3 oz/A	10.1 ml	Foliar
4	Coragen	SC 1.67 LG	5 oz/A	16.8 ml	Foliar
5	Steward	EC 1.25 LG	5.0 oz/A	16.8 ml	Foliar
6	Steward	EC 1.25 LG	9.2 oz/A	31.1 ml	Foliar
7	Blackhawk	WG 36 PC	1.6 oz/A (wt)	5.2 g	Foliar
8	Blackhawk	WG 36 PC	2.2 oz/A (wt)	7.1 g	Foliar
9	Blackhawk	WG 36 PC	2.8 oz/A wt)	9.1 g	Foliar
10	Untreated Check				

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

2 row plots (50' x 44"); 4 reps no borders 35 gpa 4 gallon mix 3 x TX-18 nozzles	Treat 2 plot rows. Count TBW 5-10-17, 5-15-17 Treatment Date: 5-15-17 4 day count: 5-19-17 8 day count: 5-23-17
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Bowen Farm Transplant Water Fertilizer Test - 2017

J. Michael Moore, Extension Agronomist - Tobacco

Steve LaHue, Research Coordinator

(	Treatment	Per 100 gal TPW / A	Per 5 gal mix	Visual Ratings 1-5, 5 = best	
				4/00/2017	4/00/2017
1	Non-Treated				
2	Ultrasol 9-45-15	8 lb	181 g		
3	Ultrasol 9-45-15	12 lb	271 g		
4	Chem-Start 7-20-0	1.5 gal/A	283 ml		
5	Chem-Start 7-20-0	2.0 gal/A	377 ml		
6	Quick Kicker Plus 6-2(1.5 gal/A		283 ml		
7	Quick Kicker Plus 6-2(2.0 gal/A		377 ml		
8	Black Label 6 20 0	1.5 gal/A	283 ml		
9	Black Label 6 20 0	2.0 gal/A	377 ml		
10	10 34 0	1.25 gal/A	236 ml		
11	10 34 0	1.75 gal/A	330 ml		
12	Nachurs 9 18 9	1.5 gal/A	283 ml		
13	Nachurs 9 18 9	2.0 gal/A	377 ml		

Plot stake is in the left row.

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

Row Length: 59' (30 plants) X 1 rows X 4 reps = 0.01988 A/Trt

Tranplanted: 4/11/16

Variety: K 326; Transplant water:100 gpa

Admire Pro 1.0 oz/1000 plts

Visual Ratings: 1- 5; lowest - greatest

Evaluation of Durivo and Orondis Gold PreMix

Trt #	TPW	Foliar = 40 d	TPW		
			oz per 10 gal mix	ml per 10 gal mix	ml per 8 gal mix
1	No Insecticide				
	14 oz/A Orondis Gold PreMix		1.4	41.4	33.1
2	7 oz/A Coragen		0.7	20.7	16.6
	14 oz/A Orondis Gold PreMix		1.4	41.4	33.1
3	10 oz/A Durivo		1	29.6	23.7
	14 oz/A Orondis Gold PreMix		1.4	41.4	33.1
4	10 oz/A Durivo	6 oz/A Besiege	1	29.6	23.7
	14 oz/A Orondis Gold PreMix		1.4	41.4	33.1
5	14 oz/A Durivo		1.4	41.4	33.1
	14 oz/A Orondis Gold PreMix		1.4	41.4	33.1
6	7 oz/A Coragen		0.7	20.7	16.6
	7 oz/A Admire Pro		0.7	20.7	16.6
	14 oz/A Orondis Gold PreMix		1.4	41.4	33.1

406 405 404 403 402 401

304 303 305 306 301 302

203 205 206 201 202 204

101 102 103 104 105 106

2 row plots
use all non treated plants

2017 Tobacco Variety Tests
Field 6620

Regional Small Plot Test

1. NC 95
2. K 326
3. NCEX 83
4. BSB 385
5. NCEX 88
6. PXH 31
7. NCEX 89
8. ULT 116
9. BSB 6192
10. Removed
11. CU 147
12. CU 101
13. NCEX 90
14. NCEX 91
15. NCEX 92
16. NC 196

Official Variety Test

1. K 346
2. K 730
3. NC 71
4. NC 72
5. NC 196
6. NC 606
7. NC 925
8. NC 938
9. NC 971
10. NC 972
11. NC 1226
12. CC 13
13. CC 27
14. CC 35
15. CC 37
16. CC 143
17. CC 700
18. CC 1063
19. PVH 1015
20. PVH 1118
21. PVH 1452
22. PVH 1600
23. PVH 1920
24. PVH 2110
25. PVH 2254
26. PVH 2275
27. PVH 2310
28. GF 318
29. GL 328
30. GL 309
31. GL 394
32. GL 395
33. GL 398
34. NC 970
35. NC 978
36. CC 144
37. CC 145
38. PVH 2360
39. GL 365
40. GL 976
41. XHN 58
42. K 326

Rep 3	12	3	7	2	9	10	14	4	14	31	22	10	24	13	33	9	27	16	2	41	35	8	21	37	23	1	19	3	38
	15	5	8	11	13	16	1	6	39	6	17	5	28	42	30	32	11	34	36	4	18	12	15	40	26	7	29	25	20
	7	9	14	6	8	3	12	13	11	29	16	20	33	17	19	7	25	1	34	18	37	24	42	31	9	12	3	38	36
Rep 1	5	2	11	15	4	10	1	16	23	8	2	5	27	21	35	30	32	39	26	15	10	4	40	6	28	41	14	22	13
	16	15	14	13	12	11	10	9	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

Road

2017 Regional Farm Test

Field 6620

- | | | | |
|----|----------|-----|----------|
| 1. | NC 95 | 7. | NC EX 87 |
| 2. | K 326 | 8. | XHN 65 |
| 3. | NC EX 80 | 9. | CU 193 |
| 4. | PXH 22 | 10. | CU 222 |
| 5. | NC EX 86 | 11. | CU 224 |
| 6. | PXH 23 | 12. | NC 196 |

Rep 3&6	304	604	312	612	310	610	306	606	303	603	308	608
	309	609	301	601	307	607	302	602	305	605	311	611
Rep 2&5	206	506	210	510	204	504	208	508	212	512	207	507
	203	503	205	505	209	509	202	502	211	511	201	501
Rep 1&4	112	412	111	411	110	410	109	409	108	408	107	407
	101	401	102	402	103	403	104	404	105	405	106	406

Road

2017 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	K 326	1981	McNair 225 (McNair 30 x NC 95)	L	L		R			GL
2	CC 27	2003	Hybrid	R	R		TCN/R		TMV	CC
3	NC 606	1998	NC 729 X NC 82	R	R		R			Raynor
4	NC 1226	2016	Hybrid							NC
5	CC 35	2007	Hybrid	R	R		M,j/R			CC
6	NC 971	2015	Hybrid							NC
7	K 730	1989	McNair 926 x 80241	H	M		R			GL
8	GL 394	2014	Hybrid							GL
9	CC 33	2008	Hybrid	R	R		M,j/R			CC
10	GL 309	2014	Hybrid							GL
11	NC 972	2015	Hybrid							NC
12	PVH1015	2014	Hybrid	R	M		M.incog/R		TMV	Rickard
13	PVH 1920	2014	Hybrid	R	R		M.incog/R			Rickard
14	NC 970	2015	Hybrid							NC
15	GF 318	2008	Hybrid	R	R		R			Raynor
16	PVH 2254	2011	Hybrid		H		M.incog/R		TMV	Rickaede
17	CC 700	2005	Hybrid	R	R		TCN/R			CC
18	PVH 2310	2013	Hybrid	R	M	L	M.inco	M.ar	PVY/TMV	Rickard
19	NC 71	1995	Hybrid	H	L		M.incog/R			Rickard
20	PVH 2360	2015	Hybrid	R	R	R	M.incogM.ar		TMV	Rickard
21	PVH 1452	2006	Hybrid	R	M		M.incog/R			Rickard
22	NC 978	2016	Hybrid							NC
23	CC 67	2008	Hybrid	R	R		TCN/R		TMV	CC
24	CC 37	2006	Hybrid	R	R		TCN/R	M,j/r	TMV	CC
25	CC 143	2012	Hybrid	R	R		R			CC
26	GL 398	2013	Hybrid	R	R		R			GL
27	GL 26H	2015	Hybrid						TMV	GL
28	NC 72	1996	Hybrid	H	L		R			Rickard
29	NC 196	2002	Hybrid	H	M		R			GL
30	NC 299	2001	Hybrid	R	R		TCN/R			CC
31	PVH 2275	2010	Hybrid	R		M	M.inco	M.ar	PVY/TMV	Rickard
32	CC 1063	2011	Hybrid	R	R		R			CC
33	XHN 58	2016	Hybrid	R		R	M.inco	M.ar	PVY/TMV	Rickard
34	CC 13	2005	Hybrid	R	R		M,j/R			CC
35	K 346	1988	McNair 926 x 80241	H	M		R			GL
36	PVH 1600	2013	Hybrid	R	H		M.incog/R			Rickard
37	NC 925	2010	N/A	H	M		R			GL
38	GL 395	2010	Hybrid	M	M		R			GL
39	CC 145	2015	Hybrid	R	R		R			CC
40	PVH 2110	2005	Hybrid		M		M.incog/R			Rickard
41	GL 365	2016	Hybrid							GL
42	NC 938	2012	Hybrid	R	R		R		TMV	GL
43	GL 976	2015	Hybrid							GL
44	CC 144	2015	Hybrid	R	R	R	R			CC
45	CU 213	2016	Hybrid							SC
46	CU 219	2016	Hybrid							SC
47	CU 220	2016	Hybrid							SC
48	CU 208	2016	Hybrid							SC
49	CU 206	2016	Hybrid							SC
50	NC 297	1998	Hybrid	R	R		R		TMV	GL

¹Resistance; H - High; M - Moderate; L - Low; R - Resistance; T - Tolerant; Su - Susceptible
Diseases: BS - Black Shank; GW - Granville Wilt; FW - Fusarium Wilt; RK - Root Knot; 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

2017 FLUE-CURED REGIONAL SMALL PLOT 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 95	1961	(C-139XBel.4-30)x(C-139XHicks)	L	H	M	R			NC
2	K 326	1981	McNair 225 (McNair 30 X NC95)	L	L		R			GL
3	NCEX83	F1	Hybrid							NC
4	BSB 385	F9	Line 385	R		R				BSB
5	NCEX88	F1	Hybrid							NC
6	PXH 31	F1	Hybrid		M		M.incog./R		TMV	Rickard
7	NCEX89	F1	Hybrid							NC
8	ULT 116 Exp.	F1	Hybrid							Universal
9	BSB 6192		CMSF1BC10MS385xLine19F513-1-12							BSB
10	AOV 714	F1	Hybrid						PVY/TMV	AOV
11	CU 147	F1	Hybrid							SC
12	CU 101	F1	Hybrid							SC
13	NCEX90	F1	Hybrid							NC
14	NCEX91	F1	Hybrid							NC
15	NCEX92	F1	Hybrid							NC

¹Resistance; H - High; M - Moderate; L - Low; R - Resistance; T - Tolerant; Su - Susceptible
Diseases: BS - Black Shank; GW - Granville Wilt; FW - Fusarium Wilt; RK - Root Knot; 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

Revised 9-19-16

2017 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 95	1961	(C-139 X Bel. 4-30)X(C-139 X Hicks)	L	H	M	R			NC	
2	K 326	1981	McNair 225(McNair 30 X NC 95)	L	L		R			GL	
3	NCEX80	F1	Hybrid							NC	
4	PXH 22	F1	Hybrid	R	H		M.incog.		TMV	Rickard	
5	NCEX86	F1	Hybrid							NC	
6	PXH 23	F1	Hybrid		H		M.incog.		TMV	Rickard	
7	NCEX87	F1	Hybrid							NC	
8	XHN 65	F1	Hybrid	R		R	M.incog.M.ar		TMV	Rickard	
9	CU 193	F1	Hybrid							SC	
10	CU 222	F1	Hybrid							SC	
11	CU224	F1	Hybrid							SC	
¹ Resistance; 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 Virus 'y'; TSMV - Tomato Spotted Wilt Virus; TCN - Tobacco Cyst Nematode; TEV - Tobacco Etch Virus; M.j. - Meloidogyne javanica											

2017 Bowen Farm - C10 Test

Trt	ANTAK 1st 5/31/17	ANTAK 2nd 6/7/17	ANTAK 3rd 6/14/17	Sucker Stuff 4th 6/21/17
1	none	none	none	none
2	1.5 gal C8,10 3.0% 454 ml	2 gal C8,10 4.0% 605 ml	2.5 gal C8,10 5.0% 757 ml	MH 0.75 gal
3	2 gal C8,10 4.0% 605 ml	2.5 gal C8,10 5.0% 757 ml	3.0 gal C8,10 6.0% 908 ml	MH 0.75 gal
4	0.9 gal C10 1.8% 272 ml	1.2 gal C10 2.4% 363 ml	1.5 gal C10 3.0% 454 ml	MH 0.75 gal
5	1.2 gal C10 2.4% 363 ml	1.5 gal C10 3.0% 454 ml	1.8 gal C10 3.6% 545 ml	MH 0.75 gal
6	1.5 gal C10 3.0% 454 ml	1.8 gal C10 3.6% 545 ml	2.1 gal C10 4.2% 635 ml	MH 0.75 gal
7	1.8 gal C10 3.6% 545 ml	2.1 gal C10 4.2% 635 ml	2.4 gal C10 4.8% 727 ml	MH 0.75 gal
8	2.1 gal C10 4.2% 635 ml	2.4 gal C10 4.8% 727 ml	2.7 gal C10 5.4% 817 ml	MH 0.75 gal
9	2.4 gal C10 4.8% 727 ml	2.7 gal C10 5.4% 817 ml	3.0 gal C10 6.0% 908 ml	MH 0.75 gal
10	2.7 gal C10 5.4% 817 ml	3.0 gal C10 6.0% 908 ml	3.3 gal C10 6.6% 999 ml	MH 0.75 gal

product
%
amt/4 gal mix

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

Evaluation of New and Experimental Nematicides on Tobacco

Bowen Farm

603	602	605	604	601	606
506	505	502	501	504	503
402	404	401	406	403	405
305	303	306	304	302	301
206	201	203	202	205	204
101	102	104	103	106	105

Treatment	Rate	Application
1. NC-394		
2. NC-394+ Velum Privilege	6.5 oz/A 6.5 oz/A	TPW Lay By
3. NC-394+ Nimitz	1.5pt/A	5-7 days PPI 12" band
4. NC-394+ DPX	30.7 fl oz/A	12" band PPI
5. NC-394+ Telone II	6 gal/A	2-3 weeks PPI
6. NC-394+ Velum Total	6.5 oz/A 6.5 oz/A	TPW Lay By

PLANT DATE: 04/04/17

VARIETY: NC-196

TIDBIT PUT OUT: _____

TIDBIT PULLED UP: _____

04/06/17

Nimitz Application Methods, Tobacco**Bowen Farm**

603	607	606	602	608	604	609	605	601
505	508	509	504	506	501	503	507	502
406	409	408	402	407	404	405	403	401
302	301	303	309	308	306	307	304	305
207	203	205	206	204	202	208	201	209
104	105	109	101	103	108	102	106	107

Treatment	Rate/ A Broadcast	Rate 12" band	Application
1. Nimitz	2.5pt		7 day PPI Broadcast
2. Nimitz	5pt		7 day PPI Broadcast
3. Nimitz		1.25 pt/A	7 day PPI 12" band
4. Nimitz		1.75 pt/A	7 day PPI 12" band
5. Nimitz Nimitz		0.5 pt/A 1.25 pt/A	TPW 7 day PPI 12" band
6. Nimitz		0.75pt/A	TPW
7. Nimitz		1pt/A	TPW
8. Telone II		6gal/A	2-3 wks before plant chisel in row
9. Non-Treated			

TPW= transplant water

Variety: NC-196

PPI= pre plant irrigation

Planted 04/04/17

04/06/17

Nimitz Application Methods, Tobacco: Field Notes

Vigor- 1,3,5 weeks

Nematode Soil Samples @ midseason @final harvest

RGI @midseason @final harvest

TSWV Counts- weekly

Stand Counts- initial

Plant height- @midseason

Yield- 3 harvests

THE EFFECT OF TRANSPLANT DATE ON SPOTTED WILT INCIDENCE AND CONTROL

The purpose of this trial is to further investigate the effect of transplant date on the incidence of spotted wilt and the level of control seen with a recommended Actigard + imidacloprid treatment. Tobacco was transplanted weekly for five weeks in a randomized complete block with four x 2 row reps. Each two row rep of each date was split with one row being untreated seedlings and the adjacent row being seedlings treated with Actigard and Admire Pro. Actigard and imidacloprid (Admire Pro) treatments were made individually for each transplant date. Actigard was applied as a foliar spray (1.0 oz./100,000) seedlings seven days pre transplant. Admire Pro was applied as a spray on/rinse off tray drench three days pre transplant (1.0 oz./1,000 tray cells).

The transplant dates were:

22 MARCH – GREEN FLAG¹

29 MARCH – PINK FLAG¹

05 APRIL – WHITE FLAG¹

12 APRIL – YELLOW FLAG¹

19 APRIL – BLUE FLAG¹

% TSWV AT 6 WEEKS²

TP DATE	CK ³	A+A ⁴
22 MARCH	1.5	0.4
29 MARCH	3.4	0.7
05 APRIL	4.9	1.0
12 APRIL	7.7	1.7
19 APRIL	6.3	0.9

1. Rows headed by a single flag are the untreated plants. Rows headed by double flags are the treated plants.
2. % TSWV at 6 weeks is the spotted wilt incidence at 6 weeks after transplant for each transplant date
3. CK is % Spotted wilt in plants grown from untreated seedlings
4. A+A is % spotted wilt in plants grown from seedlings treated with a foliar spray of Actigard 50WG @ 1.0 oz./100,000 seedlings followed by a spray on/rinse off tray drench of Admire Pro @ 1.0 oz./1,000 tray cells

Drexel Chemical Phiticide for Tobacco Black Shank

Nursery 2017

TRT	Products	Rate/Ac (fl. Oz.)	Timing(s)	Cost/ TRT	Total Cost
1	Orondis 200	4.8	TW	\$103.00	\$194.63
	Ridomil Gold	8			
	Presidio	4	1 st Cult	\$28.00	
	Ridomil gold	16	Layby	\$63.63	
2	Phiticide	80	TW	\$21.88	\$65.63
	Phiticide	80	1 st Cult	\$21.88	
	Phiticide	80	Layby	\$21.88	
3	Phiticide	5.7oz/1000 plants	Tray	\$10.94	\$98.44
	Phiticide	80	TW	\$21.88	
	Phiticide	80	1 st Cult	\$21.88	
	Phiticide	80	Layby	\$21.88	
	Phiticide	80	PreTop	\$21.88	
4	Phiticide	5.7oz/1000 plants	Tray	\$10.94	\$102.41
	Phiticide	80	1 st Cult	\$21.88	
	Presidio	4		\$15.91	
	Phiticide	80	Layby	\$21.88	
	Ridomil Gold	4		\$31.81	
5	Phiticide	5.7oz/1000 plants	Tray	\$10.94	\$152.28
	Phiticide	80	TW	\$21.88	
	Ridomil Gold	8		\$31.81	
	Phiticide	80	1 st Cult	\$21.88	
	Presidio	4		\$28.00	
	Phiticide	80	Layby	\$21.88	
	Ridomil Gold	8		\$31.81	
6	Untreated Check				

<u>Product</u>	<u>Cost/Gallon</u>	<u>Active Ingredient</u>	<u>Manufacturer</u>
Phiticide	\$35.00	Phosphite	Drexel
Orondis	\$1,030.00	Mefenoxam+Oxathiapiprolin	Syngenta
Presidio	\$898.00	Flupicolide	Valent
Ridomil Gold	\$509.00	Mefenoxam	Syngenta

*Orondis Gold is a copack of (2) 48oz jugs of Orondis Gold 200 and (2) 80oz jugs of Ridomil Gold

506	505	502	501	504	503
402	404	401	406	403	405
305	303	306	304	302	301
206	201	203	202	205	204
101	102	104	103	106	105

EVALUATION OF TOBACCO CULTIVARS AND NEW FUNGICIDES FOR MANAGEMENT OF TOBACCO BLACK SHANK

501 A	501 B	501 C	501 D	502 A	502 B	502 C	502 D
402 A	402 B	402 C	402 D	401 A	401 B	401 C	401 D
301 A	301 B	301 C	301 D	302 A	302 B	302 C	302 D
202 A	202 B	202 C	202 D	201 A	201 B	201 C	201 D
101 A	101 B	101 C	101 D	102 A	102 B	102 C	102 D

1. SP-225

2. NC-196

A=NON TREATED

B=RIDOMIL GOLD

C=ORONDIS GOLD+PERSIDIO

D=ORONDIS GOLD+RIDOMIL GOLD

½ PT TPW+ 1 PT 1ST CULTIVATION+ 1 PT LAYBY

14 OZ TPW + 4 OZ LAYBY

14 OZ TPW + 1 PT LAYBY

ON FARM SCREENING VARIETIES FOR BLACK SHANK RESISTANCE

Eight varieties have been planted in four rep randomized complete blocks at five locations in Georgia. The varieties chosen for test are four that have shown high resistance in past trials. Also included are K-326 as a standard of low resistance and K-346 as a standard of high resistance. The other two entries (PVH-1600 and NC-1226) have uncertain resistance to black shank.

The test varieties are:

CC-143

CC-1063

GL-395

K-326

K-346

NC-938

NC-1226

PVH-1600

The trials are located as shown in the table below:

COUNTY	CO. AGENT	GROWER
ECHOLS	J. SHEALEY	S. CORBETT
LANIER	J. TAYLOR	R. COOK
ATKINSON	T. BARNES	J. CORBITT
BEN HILL	H. ANDERSON	B. GRIFFIN
PIERCE	J. JACOBS	J. DAVIS

2017 BLACK SHANK VARIETY TRIAL

PLOT IS 32 ROWS (8 VAR. X 4 REPS) X ONE TRAY LONG (~200 SEEDLINGS)

VARIETY

1 XX
2 XX
3 XX
4 XX
5 XX
6 XX
7 XX
8 XX

7 XX
4 XX
2 XX
1 XX
5 XX
3 XX
6 XX
8 XX

1 XX
5 XX
4 XX
8 XX
3 XX
2 XX
7 XX
6 XX

8 XX
4 XX
1 XX
7 XX
3 XX
2 XX
6 XX
5 XX

TRANSPLANT DATE:
TRANSPLANT WATER TREATMENT:
LAYBY TREATMENT:

COMPARISON OF LAYBY TREATMENTS FOR CONTROL OF BLACK SHANK

(S. CORBETT in ECHOLS CO. & W. ROBINSON in BROOKS CO.)

PLOT IS 32 ROWS X ONE TRAY (200-230 SEEDLINGS)

EACH ROW OF SYMBOLS = 4 ROWS OF TOBACCO

TRANSPLANT WATER TREATMENTS:

CHECK	+++++	+++++	+++++
ORONDIS MIX	.....	.....	.....
CHECK	+++++	+++++	+++++
ORONDIS MIX	.....	.....	.....
CHECK	+++++	+++++	+++++
ORONDIS MIX	.....	.....	.....
CHECK	+++++	+++++	+++++
ORONDIS MIX	.....	.....	.....

LAYBY TREATMENTS:

TRSPW TRT CHECK ORONDIS MIX	RIDOMIL @ 16 oz rrrrrrrrrrrrrrrrrrrrrrrr rrrrrrrrrrrrrrrrrrrrrrrr	PRESIDIO @ 4 oz pppppppppppppppppp pppppppppppppppppp	UNTREATED uuuuuuuuuuuuuuuuuu uuuuuuuuuuuuuuuuuu
CHECK ORONDIS MIX	PRESIDIO @ 4 oz pppppppppppppppppp pppppppppppppppppp	UNTREATED uuuuuuuuuuuuuuuuuu uuuuuuuuuuuuuuuuuu	RIDOMIL @16oz rrrrrrrrrrrrrrrrrrrrrrrr rrrrrrrrrrrrrrrrrrrrrrrr
CHECK ORONDIS MIX	UNTREATED uuuuuuuuuuuuuuuuuu uuuuuuuuuuuuuuuuuu	RIDOMIL @ 16 oz rrrrrrrrrrrrrrrrrrrrrrrr rrrrrrrrrrrrrrrrrrrrrrrr	PRESIDIO @ 4oz pppppppppppppppppp pppppppppppppppppp
CHECK ORONDIS MIX	PRESIDIO @ 4oz pppppppppppppppppp pppppppppppppppppp	RIDOMIL @16oz rrrrrrrrrrrrrrrrrrrrrrrr rrrrrrrrrrrrrrrrrrrrrrrr	UNTREATED uuuuuuuuuuuuuuuuuu uuuuuuuuuuuuuuuuuu

- ORONDIS MIX TREATMENT IS UNDRSTOOD TO BE: ORONDIS @ 4.8 ozs/acre + RIDOMIL GOLD @ 8.0 ozs/acre
- TRANSPLANT WATER TREATMENTS FORM A RANDOMIZED COMPLEATE BLOCK WITH THE LAYBY TREATMENTS OVERLAID IN A MODIFIED LATIN SQUARE

Table 1. Variety, Pedigree, Sponsor and Disease Resistance of the 2017 Released Variety Test (commercially available varieties), Sidney and Jackson Lord Farm, Suwannee County, FL, (30°12'37"N 83°06'19"W), 13092 169th Rd, Live Oak, FL 32060-5424 cell: 386 362 8503

Trt	VARIETY	PEDIGREE	SPONSOR	Disease Resistance						
				BS	GW	FW	RK	BSp	Virus	
	NC 55	Remainder of field		L						
1.	K 326	McNair 225 (McNair 30 X NC95) Gold Leaf Seed Co		L	L		R			
2.	NC 196	F1 Hybrid	Gold Leaf Seed Co	H	R		R			
3.	GL 395	F1 Hybrid	Gold Leaf Seed Co	M	M		R			
4.	GL 398	F1 Hybrid	Gold Leaf Seed Co	R	R		R			
5.	NC 938	F1 Hybrid	GL, RI, CC	H	M		R			
6.	NC 1226	tested as NCEX79	NCSU							
7.	CC 143	F1 Hybrid	Cross Creek Seed	H	R		R			
8.	CC 1063	F1 Hybrid	Cross Creek Seed	H	R		R			
9.	GL 309	F1 Hybrid	Gold Leaf Seed Co							
10.	PVH 1118	F1 Hybrid	F.W. Rickard	R	M		M.in			
11.	PVH 1600	F1 Hybrid	F.W. Rickard	R	H		M.in			
12.	PVH 2310	F1 Hybrid	F.W. Rickard	L	M	L	M.in M.a			TMV PVY
	Mixed	Leftover Plants								

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: 1/31/17; Transplanted 4/10/17;



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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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CSS-17-1117

June 2017

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Dr. Sam Pardue, Dean and Director
The University of Georgia College of Agricultural and Environmental Sciences

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>

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

2017 GEORGIA TOBACCO TOUR

ADAMA

**Ag South Farm Credit,
Douglas, Statesboro, Perry**

**Alliance One
International**

Altria Client Services

Arysta LifeScience

B.F.D. Tobacco Equip.

Bayer Crop Sciences

**Big Independent
Warehouse**

Carolina Soil Company

Catalytic Generators

Cureco, Inc.

Dow AgroSciences LLC

Drexel Chemical Co.

Dupont

Fair Products

FMC

F W Rickard Seeds Inc

GoldLeaf Seed Co.

Nachurs Southeast

R.J. Reynolds

**SQM North America
Corp**

Syngenta

**U.S. Tobacco
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Valent

YARA North America