Southeastern Peanut Research Initiative 2011
Fourth Quarter and Final Report
January 1, 2011 to December 31, 2011

Title: Influence of Gramoxone and Timing and Basagran on New Peanut Cultivar Growth, Yield and Grade.

Investigators:

Florida:

Barry Brecke	Jason Ferrell
University of Florida	University of Florida
Weed Scientist	Weed Scientist
4253 Experiment Drive	304 Newell Hall
Jay, FL 32565	Gainesville, FL 32611
850-995-3720	352-392-7512
bjbe@ufl.edu	jferrell@ufl.edu

Funding Period: January 1, 2011 to December 31, 2011

Objectives:

1. Determine the effect of Gramoxone timing on growth, yield and grade of selected new peanut cultivars.
2. Determine whether the addition of Basagran reduces any effect the Gramoxone has on peanut growth, yield or grade.

Final Report:

Field studies were conducted at the West Florida Research and Education Center, Jay, FL and Plant Science Research and Education Unit, Citra, FL to determine the effect of Gramoxone timing of application on peanut growth, yield and grade. Gramoxone Inteon was applied both with and without Basagran at three timings. A nontreated check was included for comparison. All treatments were applied to four peanut cultivars (Florida 07, Georgia 07W, TifGuard, and Georgia 06G). Peanut visual injury and canopy width data were collected during the growing season. At termination of the experiment, peanuts were harvested and graded. The field sites were maintained weed free and under irrigation throughout duration of the experiment.

Florida 07, Georgia 07W, Tifguard and Georgia 06G peanuts were planted on April 25, 2011 at the Citra site and May 23 at the Jay site. Gramoxone Inteon was applied at 12 oz/A with or without 16 oz/A of Basagran at true peanut cracking, 20 days after cracking (DAC) or 30 DAC. True peanut cracking treatments were applied May 5 at Citra and May 27 at Jay.

The true peanut cracking treatments caused less than 10% foliar damage to the peanuts regardless of whether the treatment included Basagran and there were no differences between peanut cultivars at either Jay and Citra. At Citra, the 20 and 30 DAC caused much more foliar damage than the true at cracking treatments. The addition of Basagran reduced foliar damage from about 35% to about 25%. The response was similar for all cultivars except Florida 07 which appeared to be more sensitive to Gramoxone.
At Citra, peanut foliar growth was not affected by Gramoxone Inteon applied at true cracking or 30 DAC. However, when applied 20 DAC, canopy width was less than the untreated when Gramoxone Inteon was

applied alone for all cultivars. The addition of Basagran lessened canopy injury for Florida 07 and TifGuard.

At Jay, results were similar to Citra, however, differences between treatments with Basagran and without Basagran were less pronounced than at Citra. At Jay, there were no differences between peanut cultivars. At Jay treatments applied 30 DAC reduced foliar growth more than treatments applied earlier. Mixing Basagran with Gramoxone Inteon reduced foliar injury by 5% or less for all cultivars at all application timings.

All peanut cultivars recovered from Gramoxone Inteon within a few weeks after treatment. Foliar injury ratings and canopy width measurements indicated that after recovery there are no visual differences between treatments. Differences between cultivars were visible but were due to innate growth differences between cultivars and are not related to any herbicide treatment.

Peanut yield was not reduced compared to the nontreated when Gramoxone Inteon was applied at true cracking or 20 DAC. However, Gramoxone Inteon applied alone 30 DAC reduced yield by 10% and Gramoxone Inteon + Basagran reduced yield by 5%. Peanut grade was not affected by any treatment at either location.

In summary, while some initial foliar damage was observed, Gramoxone Inteon applied at true cracking or 20 DAC did not cause long-term injury to the peanut cultivars studied and yields were equal to the nontreated check. Adding Basagran lessened foliar damage but did not impact yield. However, when applied 30 DAC Gramoxone Inteon alone reduced yield by about 10% and adding Basagran improved but did not eliminate yield loss.

University of Florida

Peanuts: Gramoxone Timing X Peanut Cultivar

Trial ID: PEA11-01 Study Dir.:
Location: WFREC, Jay, FL Investigator: Barry J. Brecke

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	1	2	3	4	5	6	7	8
Crop Code							ARHHY	ARHHY	ARHHY	ARHHY	ARHHY	ARHHY	ARHHY	ARHHY
Part Rated							0-100	0-100	0-100	0-100				
Rating Data Type							Visual	Visual	Visual	Visual	Width	Width	Width	Width
Rating Unit							%Injury	%Injury	%Injury	%Injury	cm	cm	cm	cm
Rating Date							06/03/11	06/10/11	07/12/11	08/09/11	06/20/11	06/29/11	07/13/11	07/29/11
Trt-Eval Interval							7 DA-A	14 DA-A	46 DA-A	74 DA-A	24 DA-A	33 DA-A	47 DA-A	63 DA-A
ARM Action Codes														
# Subsamples, Dec.							0	0	0	0	1	1	1	1
1	Florida 07						3	3	6	0	28.8	42.3	76.0	87.0
1	Gramoxone Inteon	2	SC	12	oz/a	A								
1	Induce			0.25	% v/v	A								
2	Florida 07						6	1	3	3	29.8	47.0	82.5	82.8
2	Gramoxone Inteon	2	SC	12	oz/a	A								
2	Basagran	4	SC	16	oz/a	A								
2	Induce			0.25	% v/v	A								
3	Florida 07						0	1	13	4	25.5	39.0	68.5	87.0
3	Gramoxone Inteon	2	SC	12	oz/a	B								
3	Induce			0.25	% v/v	B								
4	Florida 07						0	1	6	5	27.3	44.3	67.3	83.5
4	Gramoxone Inteon	2	SC	12	oz/a	B								
4	Basagran	4	SC	16	oz/a	B								
4	Induce			0.25	% v/v	B								
5	Florida 07						0	1	16	8	27.5	40.3	64.3	81.8
5	Gramoxone Inteon	2	SC	12	oz/a	C								
5	Induce			0.25	% v/v	C								
6	Florida 07						0	0	13	6	29.5	42.0	64.5	79.8
6	Gramoxone Inteon	2	SC	12	oz/a	C								
6	Basagran	4	SC	16	oz/a	C								
6	Induce			0.25	% v/v	C								
7	Florida 07						0	1	0	0	29.3	49.3	83.0	90.0
7	Untreated Check													
8	GA 07W						5	3	9	1	30.3	43.8	71.0	80.5
8	Gramoxone Inteon	2	SC	12	oz/a	A								
8	Induce			0.25	% v/v	A								
9	GA 07W						4	0	4	0	26.0	46.8	76.3	83.8
9	Gramoxone Inteon	2	SC	12	oz/a	A								
9	Basagran	4	SC	16	oz/a	A								
9	Induce			0.25	% v/v	A								
10	GA 07W						0	0	9	0	27.5	40.8	67.5	81.5
10	Gramoxone Inteon	2	SC	12	oz/a	B								
10	Induce			0.25	% v/v	B								

11	GA 07W						0	1	13	8	26.3	41.3	68.5	80.5
11	Gramoxone Inteon	2	SC	12	oz/a	B								
11	Basagran	4	SC	16	oz/a	B								
11	Induce			0.25	% v/v	B								
12	GA 07W						0	1	16	0	28.3	39.0	62.5	76.3
12	Gramoxone Inteon	2	SC	12	oz/a	C								
12	Induce			0.25	% v/v	C								
13	GA 07W						0	1	14	0	31.0	44.5	62.3	78.5
13	Gramoxone Inteon	2	SC	12	oz/a	C								
13	Basagran	4	SC	16	oz/a	C								
13	Induce			0.25	% v/v	C								

University of Florida

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code								
Crop Code							ARHHY	ARHHY	ARHHY	ARHHY	ARHHY	ARHHY	ARHHY	ARHHY
Part Rated							0-100	0-100	0-100	0-100				
Rating Data Type							Visual	Visual	Visual	Visual	Width	Width	Width	Width
Rating Unit							%Injury	%Injury	%Injury	%Injury	cm	cm	cm	cm
Rating Date							06/03/11	06/10/11	07/12/11	08/09/11	06/20/11	06/29/11	07/13/11	07/29/11
Trt-Eval Interval							7 DA-A	14 DA-A	46 DA-A	74 DA-A	24 DA-A	33 DA-A	47 DA-A	63 DA-A
ARM Action Codes														
# Subsamples, Dec.							0	0	0	0	1	1	1	1
14	GA 07W						0	1	3	3	28.5	45.0	70.8	82.3
14	Untreated Check													
15	Tifguard						3	3	8	5	24.3	37.3	65.3	82.8
15	Gramoxone Inteon	2	SC	12	oz/a	A								
15	Induce			0.25	% v/v	A								
16	Tifguard						3	1	5	3	22.8	39.8	71.3	84.0
16	Gramoxone Inteon	2	SC	12	oz/a	A								
16	Basagran	4	SC	16	oz/a	A								
16	Induce			0.25	% v/v	A								
17	Tifguard						0	0	16	3	19.8	32.0	60.3	81.8
17	Gramoxone Inteon	2	SC	12	oz/a	B								
17	Induce			0.25	% v/v	B								
18	Tifguard						0	1	8	0	23.3	39.3	71.5	80.5
18	Gramoxone Inteon	2	SC	12	oz/a	B								
18	Basagran	4	SC	16	oz/a	B								
18	Induce			0.25	% v/v	B								
19	Tifguard						0	0	19	5	26.0	36.3	57.0	73.8
19	Gramoxone Inteon	2	SC	12	oz/a	C								
19	Induce			0.25	% v/v	C								
20	Tifguard						0	3	18	3	26.8	36.8	62.8	75.5
20	Gramoxone Inteon	2	SC	12	oz/a	C								
20	Basagran	4	SC	16	oz/a	C								
20	Induce			0.25	% v/v	C								
21	Tifguard						0	3	5	4	26.0	43.8	68.0	79.0
21	Untreated Check													
22	GA 06G						7	3	8	5	26.0	43.0	74.3	84.0
22	Gramoxone Inteon	2	SC	12	oz/a	A								
22	Induce			0.25	% v/v	A								
23	GA 06G						5	1	6	0	27.3	41.3	69.5	79.3
23	Gramoxone Inteon	2	SC	12	oz/a	A								
23	Basagran	4	SC	16	oz/a	A								
23	Induce			0.25	% v/v	A								
24	GA 06G						0	3	19	3	24.8	37.5	59.8	77.0
24	Gramoxone Inteon	2	SC	12	oz/a	B								
24	Induce			0.25	% v/v	B								
25	GA 06G						0	3	13	0	26.0	39.0	64.0	78.3
25	Gramoxone Inteon	2	SC	12	oz/a	B								
25	Basagran	4	SC	16	oz/a	B								
25	Induce			0.25	% v/v	B								
26	GA 06G						0	1	23	9	25.8	33.5	51.5	69.3
26	Gramoxone Inteon	2	SC	12	oz/a	C								
26	Induce			0.25	% v/v	C								
27	GA 06G						0	1	16	5	29.5	38.3	62.5	72.3
27	Gramoxone Inteon	2	SC	12	oz/a	C								
27	Basagran	4	SC	16	oz/a	C								
27	Induce			0.25	% v/v	C								
28	GA 06G						0	0	5	3	26.3	40.5	67.5	79.5
28	Untreated Check													

University of Florida

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	1	2	3	4	5	6	7	8
Crop Code							ARHHY	ARHHY	ARHHY	ARHHY	ARHHY	ARHHY	ARHHY	ARHHY
Part Rated							0-100	0-100	0-100	0-100				
Rating Data Type							Visual	Visual	Visual	Visual	Width	Width	Width	Width
Rating Unit							%Injury	%Injury	%Injury	%Injury	cm	cm	cm	cm
Rating Date							06/03/11	06/10/11	07/12/11	08/09/11	06/20/11	06/29/11	07/13/11	07/29/11
Trt-Eval Interval							7 DA-A	14 DA-A	46 DA-A	74 DA-A	24 DA-A	33 DA-A	47 DA-A	63 DA-A
ARM Action Codes														
# Subsamples, Dec.							0	0	0	0	1	1	1	1
LSD (P=.05)							2.1	3.3	9.1	6.4	5.50	8.47	10.22	6.93
Standard Deviation							1.5	2.3	6.4	4.6	3.89	5.99	7.23	4.90
CV							121.94	173.35	62.13	156.89	14.53	14.67	10.71	6.1

University of Florida

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	ARHHY Width cm 08/11/11 76 DA-A 1 9	ARHHY Yield lbs/plot 10/14/11 140 DA-A 2 10	ARHHY YIELD lb/A 10/14/11 140 DA-A TY1 0 11	ARHHY Grade %SMK 11/15/11 172 DA-A 0 12
1	Florida 07						91.6	14.76	5313	67
1	Gramoxone Inteon	2	SC	12	oz/a	A				
1	Induce			0.25	% v/v	A				
2	Florida 07						94.9	15.15	5455	67
2	Gramoxone Inteon	2	SC	12	oz/a	A				
2	Basagran	4	SC	16	oz/a	A				
2	Induce			0.25	% v/v	A				
3	Florida 07						94.2	15.34	5522	68
3	Gramoxone Inteon	2	SC	12	oz/a	B				
3	Induce			0.25	% v/v	B				
4	Florida 07						98.2	17.08	6151	68
4	Gramoxone Inteon	2	SC	12	oz/a	B				
4	Basagran	4	SC	16	oz/a	B				
4	Induce			0.25	% v/v	B				
5	Florida 07						92.1	15.60	5617	67
5	Gramoxone Inteon	2	SC	12	oz/a	C				
5	Induce			0.25	% v/v	C				
6	Florida 07						89.3	14.71	5295	68
6	Gramoxone Inteon	2	SC	12	oz/a	C				
6	Basagran	4	SC	16	oz/a	C				
6	Induce			0.25	% v/v	C				
7	Florida 07						97.8	15.13	5448	69
7	Untreated Check									
8	GA 07W						95.2	15.55	5599	71
8	Gramoxone Inteon	2	SC	12	oz/a	A				
8	Induce			0.25	% v/v	A				
9	GA 07W						98.3	14.58	5250	71
9	Gramoxone Inteon	2	SC	12	oz/a	A				
9	Basagran	4	SC	16	oz/a	A				
9	Induce			0.25	% v/v	A				
10	GA 07W						100.2	15.61	5621	73
10	Gramoxone Inteon	2	SC	12	oz/a	B				
10	Induce			0.25	% v/v	B				
11	GA 07W						98.1	16.73	6023	72
11	Gramoxone Inteon	2	SC	12	oz/a	B				
11	Basagran	4	SC	16	oz/a	B				
11	Induce			0.25	% v/v	B				
12	GA 07W						89.9	13.51	4865	70
12	Gramoxone Inteon	2	SC	12	oz/a	C				
12	Induce			0.25	% v/v	C				
13	GA 07W						90.3	15.82	5695	71
13	Gramoxone Inteon	2	SC	12	oz/a	C				
13	Basagran	4	SC	16	oz/a	C				
13	Induce			0.25	% v/v	C				
14	GA 07W						99.7	15.75	5672	73
14	Untreated Check									
15	Tifguard						103.0	14.80	5329	69
15	Gramoxone Inteon	2	SC	12	oz/a	A				
15	Induce			0.25	% v/v	A				

University of Florida

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	ARHHY Width cm 08/11/11 76 DA-A 1 9	ARHHY Yield lbs/plot 10/14/11 140 DA-A 2 10	ARHHY YIELD lb/A 10/14/11 140 DA-A TY1 0 11	ARHHY Grade %SMK 11/15/11 172 DA-A 0 12
16	Tifguard						99.8	14.80	5329	72
16	Gramoxone Inteon	2	SC	12	oz/a	A				
16	Basagran	4	SC	16	oz/a	A				
16	Induce			0.25	% v/v	A				
17	Tifguard						98.9	14.92	5371	71
17	Gramoxone Inteon	2	SC	12	oz/a	B				
17	Induce			0.25	% v/v	B				
18	Tifguard						104.0	17.63	6348	68
18	Gramoxone Inteon	2	SC	12	oz/a	B				
18	Basagran	4	SC	16	oz/a	B				
18	Induce			0.25	% v/v	B				
19	Tifguard						102.7	13.06	4702	70
19	Gramoxone Inteon	2	SC	12	oz/a	C				
19	Induce			0.25	% v/v	C				
20	Tifguard						100.0	14.39	5180	69
20	Gramoxone Inteon	2	SC	12	oz/a	C				
20	Basagran	4	SC	16	oz/a	C				
20	Induce			0.25	% v/v	C				
21	Tifguard						97.9	15.30	5510	70
21	Untreated Check									
22	GA 06G						95.1	15.48	5572	71
22	Gramoxone Inteon	2	SC	12	oz/a	A				
22	Induce			0.25	% v/v	A				
23	GA 06G						89.7	15.82	5695	71
23	Gramoxone Inteon	2	SC	12	oz/a	A				
23	Basagran	4	SC	16	oz/a	A				
23	Induce			0.25	% v/v	A				
24	GA 06G						88.0	16.01	5765	70
24	Gramoxone Inteon	2	SC	12	oz/a	B				
24	Induce			0.25	% v/v	B				
25	GA 06G						91.7	16.71	6015	73
25	Gramoxone Inteon	2	SC	12	oz/a	B				
25	Basagran	4	SC	16	oz/a	B				
25	Induce			0.25	% v/v	B				
26	GA 06G						85.5	14.64	5270	69
26	Gramoxone Inteon	2	SC	12	oz/a	C				
26	Induce			0.25	% v/v	C				
27	GA 06G						91.6	15.69	5650	70
27	Gramoxone Inteon	2	SC	12	oz/a	C				
27	Basagran	4	SC	16	oz/a	C				
27	Induce			0.25	% v/v	C				
28	GA 06G						93.8	17.03	6132	70
28	Untreated Check									
LSD (P=.05)							3.88	1.954	703.8	3.1
Standard Deviation							2.74	1.382	497.6	2.2
CV							2.87	8.97	8.97	3.18

Column 11: TY1 = 360.096*[10]

University of Florida

Peanuts: Gramoxone Timing x Peanut Cultivar

Trial ID: PEA - SPRI
Protocol ID:
Project ID:

Location:
Investigator: Jason Ferrell
Study Director:
Sponsor Contact:

Trial Year:

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	1	2	3	4	5	6
	Crop Code				ARHHY	ARHHY	ARHHY	ARHHY	ARHHY	ARHHY
	BBCH Scale				BPNT	BPNT	BPNT	BPNT	BPNT	BPNT
	Crop Scientific Name				Arachis hypoga>	Arachis hypoga>	Arachis hypoga>	Arachis hypoga>	Arachis hypoga>	Arachis hypoga>
	Crop Name				Peanut	Peanut	Peanut	Peanut	Peanut	Peanut
	Part Rated				CANOPY -	CANOPY -	CANOPY -	CANOPY -	CANOPY -	CANOPY -
	Rating Date				May-13-2011	May-13-2011	May-20-2011	May-20-2011	Jun-1-2011	Jun-1-2011
	Rating Type				PHYGEN	WIDTH	PHYGEN	WIDTH	PHYGEN	WIDTH
	Rating Unit				%	cm	%	cm	%	cm
	Number of Subsamples				1	1	1	1	1	5
	Days After First/Last Applic.				8 8	8 8	15 15	15 15	27 7	27 7
	Plant-Eval Interval				18 DP-1	18 DP-1	25 DP-1	25 DP-1	37 DP-1	37 DP-1
	ARM Action Codes									
	Number of Decimals				0	0	0	0	0	0
1	GA 06G				10	5	4	15	0	22
1	Gramoxone Inteon	12	fl oz/a	A						
2	GA 06G				10	5	3	15	0	25
2	Gramoxone	12	fl oz/a	A						
2	Basgran	1	pt/a	A						
3	GA 06G								39	19
3	Gramoxone	12	fl oz/a	B						
4	GA 06G								29	22
4	Gramoxone	12	fl oz/a	B						
4	Basgran	1	pt/a	B						
5	GA 06G									
5	Gramoxone	12	fl oz/a	C						
6	GA 06G									
6	Gramoxone	12	fl oz/a	C						
6	Basgran	1	pt/a	C						
7	GA 06G				0	5	0	14	1	23
7	Untreated									
8	FL 07				10	5	5	17	1	25
8	Gramoxone	12	fl oz/a	A						
9	FL 07				10	5	4	17	0	27
9	Gramoxone	12	fl oz/a	A						
9	Basgran	1	pt/a	A						
10	FL 07								35	19
10	Gramoxone	12	fl oz/a	B						
11	FL 07								28	22
11	Gramoxone	12	fl oz/a	B						
11	Basgran	1	pt/a	B						
12	FL 07									
12	Gramoxone	12	fl oz/a	C						
13	FL 07									
13	Gramoxone	12	fl oz/a	C						
13	Basgran	1	pt/a	C						
14	FL 07				0	5	0	17	0	32
14	Untreated									
15	GA 07W				10	5	5	18	0	27
15	Gramoxone	12	fl oz/a	A						

University of Florida

Peanuts: Gramoxone Timing x Peanut Cultivar

Trial ID: PEA - SPRI Location: Trial Year:
Protocol ID: Investigator: Jason Ferrell
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	1	2	3	4	5	6
	Crop Code				ARHHY	ARHHY	ARHHY	ARHHY	ARHHY	ARHHY
	BBCH Scale				BPNT	BPNT	BPNT	BPNT	BPNT	BPNT
	Crop Scientific Name				Arachis hypoga>	Arachis hypoga>	Arachis hypoga>	Arachis hypoga>	Arachis hypoga>	Arachis hypoga>
	Crop Name				Peanut	Peanut	Peanut	Peanut	Peanut	Peanut
	Part Rated				CANOPY -	CANOPY -	CANOPY -	CANOPY -	CANOPY -	CANOPY -
	Rating Date				May-13-2011	May-13-2011	May-20-2011	May-20-2011	Jun-1-2011	Jun-1-2011
	Rating Type				PHYGEN	WIDTH	PHYGEN	WIDTH	PHYGEN	WIDTH
	Rating Unit				%	cm	%	cm	%	cm
	Number of Subsamples				1	1	1	1	1	5
	Days After First/Last Applic.				8 8	8 8	15 15	15 15	27 7	27 7
	Plant-Eval Interval				18 DP-1	18 DP-1	25 DP-1	25 DP-1	37 DP-1	37 DP-1
	ARM Action Codes									
	Number of Decimals				0	0	0	0	0	0
16	GA 07W				9	5	6	15	0	27
16	Gramoxone	12	fl oz/a	A						
16	Basgran	1	pt/a	A						
17	GA 07W				0	5	0	17	30	21
17	Gramoxone	12	fl oz/a	B						
18	GA 07W								29	20
18	Gramoxone	12	fl oz/a	B						
18	Basgran	1	pt/a	B						
19	GA 07W									
19	Gramoxone	12	fl oz/a	C						
20	GA 07W									
20	Gramoxone	12	fl oz/a	C						
20	Basgran	1	pt/a	C						
21	GA 07W				0	5	0	16	0	24
21	Untreated									
22	TiftGaurd				10	5	5	17	4	25
22	Gramoxone	12	fl oz/a	A						
23	TiftGaurd				10	5	3	17	0	29
23	Gramoxone	12	fl oz/a	A						
23	Basgran	1	pt/a	A						
24	TiftGaurd								35	21
24	Gramoxone	12	fl oz/a	B						
25	TiftGaurd								24	24
25	Gramoxone	12	fl oz/a	B						
25	Basgran	1	pt/a	B						
26	TiftGaurd									
26	Gramoxone	12	fl oz/a	C						
27	TiftGaurd									
27	Gramoxone	12	fl oz/a	C						
27	Basgran	1	pt/a	C						
28	TiftGaurd				0	5	4	18	0	28
28	Untreated									
	LSD (P=.05)				0.7	0.0	2.0	1.3	6.0	2.9
	Standard Deviation				0.5	0.0	1.4	0.9	4.3	2.0
	CV				7.76	0.39	48.78	5.56	33.7	8.41

University of Florida

Peanuts: Gramoxone Timing x Peanut Cultivar

Trial ID: PEA - SPRI Location: Trial Year:
Protocol ID: Investigator: Jason Ferrell
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	7	8	9	10	11
	Crop Code				ARHHY	ARHHY	ARHHY	ARHHY	ARHHY
	BBCH Scale				BPNT	BPNT	BPNT	BPNT	BPNT
	Crop Scientific Name				Arachis hypoga>	Arachis hypoga>	Arachis hypoga>	Arachis hypoga>	Arachis hypoga>
	Crop Name				Peanut	Peanut	Peanut	Peanut	Peanut
	Part Rated				CANOPY -	CANOPY -	CANOPY -	YIELD -	YIELD -
	Rating Date				Jun-15-2011	Jun-15-2011	Jun-27-2011	Sep-6-2011	Sep-6-2011
	Rating Type				PHYGEN	WIDTH	PHYGEN	WEIGHT	YIELD
	Rating Unit				%	cm	%	LB	LB/A
	Number of Subsamples				1	5	1	1	1
	Days After First/Last Applic.				41 21	41 21	53 7	124 78	124 78
	Plant-Eval Interval				51 DP-1	51 DP-1	63 DP-1	134 DP-1	134 DP-1
	ARM Action Codes								TY1
	Number of Decimals				0	0	0	1	0
1	GA 06G							12.3	4286
1	Gramoxone Inteon	12	fl oz/a	A					
2	GA 06G							12.2	4251
2	Gramoxone	12	fl oz/a	A					
2	Basgran	1	pt/a	A					
3	GA 06G				0	41		12.0	4182
3	Gramoxone	12	fl oz/a	B					
4	GA 06G				0	44		11.9	4129
4	Gramoxone	12	fl oz/a	B					
4	Basgran	1	pt/a	B					
5	GA 06G				0	52	34	10.0	3467
5	Gramoxone	12	fl oz/a	C					
6	GA 06G				0	52	24	10.9	3781
6	Gramoxone	12	fl oz/a	C					
6	Basgran	1	pt/a	C					
7	GA 06G				0	51	0	11.9	4147
7	Untreated								
8	FL 07							12.6	4391
8	Gramoxone	12	fl oz/a	A					
9	FL 07				0	52		13.6	4722
9	Gramoxone	12	fl oz/a	A					
9	Basgran	1	pt/a	A					
10	FL 07				0	45	49	11.7	4060
10	Gramoxone	12	fl oz/a	B					
11	FL 07				0	53		13.7	4757
11	Gramoxone	12	fl oz/a	B					
11	Basgran	1	pt/a	B					
12	FL 07				0	63	39	11.8	4112
12	Gramoxone	12	fl oz/a	C					
13	FL 07				0	64	28	10.5	3659
13	Gramoxone	12	fl oz/a	C					
13	Basgran	1	pt/a	C					
14	FL 07				0	69	0	10.8	3746
14	Untreated								
15	GA 07W							12.8	4443
15	Gramoxone	12	fl oz/a	A					

University of Florida

Peanuts: Gramoxone Timing x Peanut Cultivar

Trial ID: PEA - SPRI
Protocol ID:
Project ID:

Location:
Investigator: Jason Ferrell
Study Director:
Sponsor Contact:

Trial Year:

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	7	8	9	10	11
	Crop Code				ARHHY	ARHHY	ARHHY	ARHHY	ARHHY
	BBCH Scale				BPNT	BPNT	BPNT	BPNT	BPNT
	Crop Scientific Name				Arachis hypoga>	Arachis hypoga>	Arachis hypoga>	Arachis hypoga>	Arachis hypoga>
	Crop Name				Peanut	Peanut	Peanut	Peanut	Peanut
	Part Rated				CANOPY -	CANOPY -	CANOPY -	YIELD -	YIELD -
	Rating Date				Jun-15-2011	Jun-15-2011	Jun-27-2011	Sep-6-2011	Sep-6-2011
	Rating Type				PHYGEN	WIDTH	PHYGEN	WEIGHT	YIELD
	Rating Unit				%	cm	%	LB	LB/A
	Number of Subsamples				1	5	1	1	1
	Days After First/Last Applic.				41 21	41 21	53 7	124 78	124 78
	Plant-Eval Interval				51 DP-1	51 DP-1	63 DP-1	134 DP-1	134 DP-1
	ARM Action Codes								TY1
	Number of Decimals				0	0	0	1	0
16	GA 07W							13.6	4722
16	Gramoxone	12	fl oz/a	A					
16	Basgran	1	pt/a	A					
17	GA 07W				0	47		12.7	4408
17	Gramoxone	12	fl oz/a	B					
18	GA 07W				0	45		12.4	4304
18	Gramoxone	12	fl oz/a	B					
18	Basgran	1	pt/a	B					
19	GA 07W				0	58	21	10.5	3642
19	Gramoxone	12	fl oz/a	C					
20	GA 07W				0	55	25	12.5	4339
20	Gramoxone	12	fl oz/a	C					
20	Basgran	1	pt/a	C					
21	GA 07W				0	52	0	12.0	4164
21	Untreated								
22	TiftGaurd							12.0	4182
22	Gramoxone	12	fl oz/a	A					
23	TiftGaurd							11.8	4112
23	Gramoxone	12	fl oz/a	A					
23	Basgran	1	pt/a	A					
24	TiftGaurd				0	41		11.9	4129
24	Gramoxone	12	fl oz/a	B					
25	TiftGaurd				0	49		11.0	3834
25	Gramoxone	12	fl oz/a	B					
25	Basgran	1	pt/a	B					
26	TiftGaurd				0	60	35	10.2	3568
26	Gramoxone	12	fl oz/a	C					
27	TiftGaurd				0	64	24	10.8	3746
27	Gramoxone	12	fl oz/a	C					
27	Basgran	1	pt/a	C					
28	TiftGaurd				0	61	0	12.1	4199
28	Untreated								
	LSD (P=.05)				0.0	5.6	5.4	2.07	722.9
	Standard Deviation				0.0	4.0	3.8	1.47	511.2
	CV				0.0	7.48	17.9	12.39	12.39

University of Florida

Peanuts: Gramoxone Timing x Peanut Cultivar

Trial ID: PEA - SPRI Location: Trial Year:
Protocol ID: Investigator: Jason Ferrell
Project ID: Study Director:
Sponsor Contact:

Crop Code
ARHHY, BPNT, Arachis hypogaea, = US
Part Rated
CANOPY = canopy
YIELD = yield
Rating Type
PHYGEN = phytotoxicity - general / injury
WIDTH = width
WEIGHT = weight
YIELD = yield
Rating Unit
% = percent
cm = centimeter
LB = pound
Plant-Eval Interval
18 DP-1 = 1 Apr-25-2011
25 DP-1 = 1 Apr-25-2011
37 DP-1 = 1 Apr-25-2011
51 DP-1 = 1 Apr-25-2011
63 DP-1 = 1 Apr-25-2011
134 DP-1 = 1 Apr-25-2011
ARM Action Codes
TY1 = 348.48*[10]