

Tidewater Ag. Res. & Ext. Ctr.

Volunteer Peanut Control

Trial ID: A0505  
 Protocol ID:  
 Location: Wynne Farm

Study Director: Nathan O'Berry  
 Investigator: Dr. Joel C. Faircloth

Part Rated		PLANT	PEANUT	PEANUT	PEANUT	PEANUT
Rating Data Type		STAND	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		10 FT/RW	%	%	%	%
Rating Date		08-Jun-2005	20-Jun-2005	05-Jul-2005	11-Jul-2005	19-Jul-2005

Trt No.	Treatment Name	Form	Rate	Growth Unit	Stage	Appl Code					
1	PEANUT STAGE 1						31.9 a	82.5 a	88.8 b		93.8 b
1	Roundup WeatherMax	5.5	22 OZ/A	3"	PNUT A						
1	Roundup WeatherMax	5.5	22 OZ/A	14	DAT C						
2	PEANUT STAGE 1						30.3 ab	52.5 b	97.3 a		99.3 a
2	Ignite	1.67	32 OZ/A	3"	PNUT A						
2	Ignite	1.67	32 OZ/A	14	DAT C						
3	PEANUT STAGE 1						30.4 ab	32.5 c	75.0 c		80.0 d
3	MSMA	6 2.66	PT/A	3"	PNUT A						
3	MSMA	6 2.66	PT/A	14	DAT C						
3	Caparol	4 1.66	PT/A	14	DAT C						
4	PEANUT STAGE 1						28.5 b	0.0 d	0.0 e		0.0 e
4	Untreated										
5	PEANUT STAGE 2						27.9 b		95.8 a		99.3 a
5	Roundup WeatherMax	5.5	22 OZ/A	10	DAT1 B						
5	Roundup WeatherMax	5.5	22 OZ/A	14	DAT E						
6	PEANUT STAGE 2						29.6 ab		86.3 b		100.0 a
6	Ignite	1.67	32 OZ/A	10	DAT1 B						
6	Ignite	1.67	32 OZ/A	14	DAT E						
7	PEANUT STAGE 2						27.4 b		65.0 d		85.0 c
7	MSMA	6 2.66	PT/A	10	DAT1 B						
7	MSMA	6 2.66	PT/A	14	DAT E						
7	Caparol	4 1.66	PT/A	14	DAT E						
8	PEANUT STAGE 2						27.5 b		0.0 e		0.0 e
8	Untreated										
9	PEANUT STAGE 3						28.5 b			98.0 a	
9	Roundup WeatherMax	5.5	22 OZ/A	20	DAT1 D						
9	Roundup WeatherMax	5.5	22 OZ/A	14	DAT F						
10	PEANUT STAGE 3						29.6 ab			96.0 a	
10	Ignite	1.67	32 OZ/A	20	DAT1 D						
10	Ignite	1.67	32 OZ/A	14	DAT F						
11	PEANUT STAGE 3						32.0 a			65.0 b	
11	MSMA	6 2.66	PT/A	20	DAT1 D						
11	MSMA	6 2.66	PT/A	14	DAT F						
11	Caparol	4 1.66	PT/A	14	DAT F						
12	PEANUT STAGE 3						31.9 a			0.0 c	
12	Untreated										
	LSD (P=.05)						3.04	6.66	3.29	2.61	1.38
	Standard Deviation						2.11	4.17	2.24	1.63	0.94
	CV						7.11	9.95	3.53	2.52	1.34
	Grand Mean						29.61	41.88	63.5	64.75	69.66

Means followed by same letter do not significantly differ (P=.05, LSD)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Part Rated		PEANUT	PEANUT
Rating Data Type		CONTROL	CONTROL
Rating Unit		%	%
Rating Date		25-Jul-2005	17-Aug-2005

Trt No.	Treatment Name	Form	Rate	Growth Unit	Stage	Appl Code		
1	PEANUT STAGE 1							96.8 b
1	Roundup WeatherMax	5.5	22 OZ/A	3"	PNUT	A		
1	Roundup WeatherMax	5.5	22 OZ/A	14	DAT	C		
2	PEANUT STAGE 1							99.3 ab
2	Ignite	1.67	32 OZ/A	3"	PNUT	A		
2	Ignite	1.67	32 OZ/A	14	DAT	C		
3	PEANUT STAGE 1							91.3 c
3	MSMA	6 2.66	PT/A	3"	PNUT	A		
3	MSMA	6 2.66	PT/A	14	DAT	C		
3	Caparol	4 1.66	PT/A	14	DAT	C		
4	PEANUT STAGE 1							0.0 d
4	Untreated							
5	PEANUT STAGE 2							99.8 a
5	Roundup WeatherMax	5.5	22 OZ/A	10	DAT1	B		
5	Roundup WeatherMax	5.5	22 OZ/A	14	DAT	E		
6	PEANUT STAGE 2							100.0 a
6	Ignite	1.67	32 OZ/A	10	DAT1	B		
6	Ignite	1.67	32 OZ/A	14	DAT	E		
7	PEANUT STAGE 2							96.8 b
7	MSMA	6 2.66	PT/A	10	DAT1	B		
7	MSMA	6 2.66	PT/A	14	DAT	E		
7	Caparol	4 1.66	PT/A	14	DAT	E		
8	PEANUT STAGE 2							0.0 d
8	Untreated							
9	PEANUT STAGE 3						99.5 b	99.8 a
9	Roundup WeatherMax	5.5	22 OZ/A	20	DAT1	D		
9	Roundup WeatherMax	5.5	22 OZ/A	14	DAT	F		
10	PEANUT STAGE 3						100.0 a	100.0 a
10	Ignite	1.67	32 OZ/A	20	DAT1	D		
10	Ignite	1.67	32 OZ/A	14	DAT	F		
11	PEANUT STAGE 3						90.0 c	98.5 ab
11	MSMA	6 2.66	PT/A	20	DAT1	D		
11	MSMA	6 2.66	PT/A	14	DAT	F		
11	Caparol	4 1.66	PT/A	14	DAT	F		
12	PEANUT STAGE 3						0.0 d	0.0 d
12	Untreated							
	LSD (P=.05)						0.46	2.93
	Standard Deviation						0.29	2.03
	CV						0.4	2.76
	Grand Mean						72.38	73.5

Means followed by same letter do not significantly differ (P=.05, LSD)  
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Crop Description

Crop 1: ARHHY Arachis hypogaea Peanut  
 BBCH Scale: BPNT

Site and Design

Plot Width, Unit: 12 FT  
 Plot Length, Unit: 30 FT  
 Replications: 4 Study Design: Factorial

Trial Initiation Comments:

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Unit	Form Type	Form Rate	Rate Unit
1.	20-Apr-2005	Prowl	3.3	EC	1.5	PT/A	
2.	21-Apr-2005	Dual Magnum	7.62	EC	1	PT/A	
3.	21-Apr-2005	Metam			7.5	GAL/A	
4.	31-May-2005	Dual Magnum	7.62	EC	1	PT/A	
5.	31-May-2005	Storm	4	EC	1	PT/A	
6.	31-May-2005	Induce		L	1	PT/100	GAL
7.	14-Jun-2005	Select	2	EC	12	OZ/A	
8.	14-Jun-2005	Agridex		L	1	QT/A	
9.	22-Jun-2005	Peanut Maker Landplaster				1500	LB/A

Field Prep./Maintenance:

Soil Description

% Sand: 82.9 % OM: 1.2 Texture: CLAY LOAM  
 % Silt: 11.5 pH: 5.03  
 % Clay: 5.6

Application Description

	A	B	C	D	E	F
Application Date:	06-Jun-2005	16-Jun-2005	20-Jun-2005	27-Jun-2005	05-Jul-2005	11-Jul-2005
Time of Day:	9:00 AM	9:00 AM	11:00 AM	11:30 AM	11:30 AM	2:00 PM
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	3" PEANUT	10 DAT-A	14 DAT-A	20 DAT-A	14 DAT-B	14 DAT-D
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	O'Berry, N. O'Berry, N. O'Berry, N. O'Berry, N. O'Berry, N. O'Berry, N.					
Air Temperature, Unit:	77 F	75 F	80 F	81 F	81 F	91 F
% Relative Humidity:	100	86	71	90	100	66
Wind Velocity, Unit:	4 MPH	4 MPH	7 MPH	2 MPH	2 MPH	7 MPH
Dew Presence (Y/N):	N	N	N	N	N	N
Soil Temperature, Unit:	74 F	78 F	72 F	80 F	81 F	85 F
Soil Moisture:	ADEQUATE	ADEQUATE	ADEQUATE	INADEQUAT	ADEQUATE	INADEQUAT
% Cloud Cover:	0	5	0	20	90	85

Crop Stage At Each Application

	A	B	C	D	E	F
Crop 1 Code, BBCH Scale:	ARHHY BPNT	ARHHY BPNT	ARHHY BPNT	ARHHY BPNT	ARHHY BPNT	ARHHY BPNT
Stage Scale Used:	4TH TRIFL	V8	R1		R3	

Application Equipment

	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK	BACKPACK	BACKPACK	BACKPACK	BACKPACK
Operating Pressure:	27	27	27	27	27	27
Pressure Unit:	PSI	PSI	PSI	PSI	PSI	PSI
Nozzle Type:	TEEJET	TEEJET	TEEJET	TEEJET	TEEJET	TEEJET
Nozzle Size:	8002VS	8002VS	8002VS	8002VS	8002VS	8002VS
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN	18 IN	18 IN	18 IN
Boom Length, Unit:	54 IN	54 IN	54 IN	54 IN	54 IN	54 IN
Boom Height, Unit:	18 IN	18 IN	18 IN	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER	WATER	WATER	WATER
Spray Volume:	15	15	15	15	15	15
Volume Unit:	GAL/AC	GAL/AC	GAL/AC	GAL/AC	GAL/AC	GAL/AC
Propellant:	CO2	CO2	CO2	CO2	CO2	CO2
Tank Mix (Y/N):	N	N	Y	N	Y	Y