

ELE-MAX ENC WITH GRAMOXONE IN PEANUTS CROP TOLERANCE	
Trial ID: PE-20-16	Study Dir.: ZACH TAYLOR
Location: ATTAPULGUS	Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	2	3	4
1	NO ELE-MAX ENC NTC								101	208	307	401
2	NO ELE-MAX ENC GRAMOXONE NIS	2 SL		8.0 oz/a		POST A		6.249 ml/mx 3.75 ml/mx	102	204	301	405
3	NO ELE-MAX ENC GRAMOXONE DUAL MAGNUM	2 SL 7.64 EC		8.0 oz/a 16.0 oz/a		POST A POST A		6.249 ml/mx 12.5 ml/mx	103	207	304	406
4	NO ELE-MAX ENC GRAMOXONE STORM DUAL MAGNUM	2 SL 4 SL 7.64 EC		12.0 oz/a 16.0 oz/a 16.0 oz/a		POST A POST A POST A		9.374 ml/mx 12.5 ml/mx 12.5 ml/mx	104	203	308	404
5	ELE-MAX ENC (11-8-5) NTC	2.45 SL		32.0 oz/a		POST A		25.0 ml/mx	105	202	306	408
6	ELE-MAX ENC (11-8-5) GRAMOXONE NIS	2.45 SL 2 SL		32.0 oz/a 8.0 oz/a		POST A POST A		25.0 ml/mx 6.249 ml/mx 3.75 ml/mx	106	205	302	403
7	ELE-MAX ENC (11-8-5) GRAMOXONE DUAL MAGNUM	2.45 SL 2 SL 7.64 EC		32.0 oz/a 8.0 oz/a 16.0 oz/a		POST A POST A POST A		25.0 ml/mx 6.249 ml/mx 12.5 ml/mx	107	206	303	407
8	ELE-MAX ENC (11-8-5) GRAMOXONE STORM DUAL MAGNUM	2.45 SL 2 SL 4 SL 7.64 EC		32.0 oz/a 12.0 oz/a 16.0 oz/a 16.0 oz/a		POST A POST A POST A POST A		25.0 ml/mx 9.374 ml/mx 12.5 ml/mx 12.5 ml/mx	108	201	305	402

Trial Comments

MAINTAINED WEED-FREE

PROWL H20 (1 QT/A) + VALOR (3 OZ/A) + STRONGARM @ 0.45 OZ/A - PRE (MAY 2)

CADRE @ 4 OZ/A + NIS - MAY 16 (1 HAT FOR NUTSEDGE CONTROL)

ELE-MAX ENC (HELENA) - \$18/GAL OR \$4.50/QT
11-8-5
2.45 LBS PLANT NUTRIENTS/GAL
ALSO CONTAINS B, CO, CU, FE, MN, MO, ZN

PLOT 406 NDVI ON MAY 19 AND MAY 23 ARE NOT INCLUDED IN DATA DUE TO YELLOW NUTSEDGE POPULATION IN THAT PLOT.

DIGGING DATE: SEPTEMBER 22
HARVEST DATE: SEPTEMBER 26
HARVEST MOISTURE: 12.8%
YIELDS ADJUSTED TO 10%
2% YIELD REDUCTION FOR FM

SUMMARY:

1) GENERALLY, ELE-MAX ENC HAD SOME POSITIVE EFFECTS ON REDUCING PEANUT INJURY (STUNTING AND LEAF BURN) ESPECIALLY WHEN TANK-MIXED WITH GRAMOXONE + DUAL MAGNUM.

2) PEANUT NDVI VALUES AT 3 AND 7 DAT WERE NOT INFLUENCED BY ELE-MAX ENC.

3) FOR PEANUT YIELD, THERE WAS NO INTERACTION BETWEEN ELE-MAX ENC TREATMENT AND HERBICIDE TREATMENT (P=0.6451). WHEN AVERAGED OVER ALL HERBICIDE TREATMENTS, ELE-MAX ENC HAD NO EFFECT ON PEANUT YIELD (P=0.2435). WHEN AVERAGED OVER ELE-MAX ENC TREATMENTS, HERBICIDES HAD NO EFFECT ON PEANUT YIELD (P=0.8588).

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GENERAL TRIAL INFORMATION			
Study Director: ZACH TAYLOR Affiliation: _____		Title: _____ Postal Code: _____	
Investigator: Eric P. Prostko Affiliation: _____		Title: _____ Postal Code: _____	
Trial Status: _____ City: _____		Initiation Date: _____ Country: _____	
State/Prov.: _____ Conducted Under GLP (Y/N): N		Postal Code: _____ Conducted Under GEP (Y/N): N	
Objective: _____			
Conclusions: _____			

CROP AND PEST DESCRIPTION			
Weed 1. _____ 2. _____			
Crop 1: ARAHY PEANUT Variety: GA-06G Planting Date: May-2-16 Planting Method: MONSOEM Rate: 6 SEED/FT Depth: 2 IN Perennial Age: _____ Row Spacing: 36 IN Seed Bed: _____ Soil Temperature: _____ Soil Moisture: OPTIMUM Emergence Date: _____			
Plot Width, Unit: 6 FT Plot Length, Unit: 25 FT Reps: 4 Site Type: _____ Tillage Type: CONVENTIONAL TILLAGE Study Design: FACTOR Trial Initiation Comments: THIMET INFR; DYNASTY PD SEED TRT;			
Previous: Crops 1. FALLOW Pesticides 2015 Year _____			

MAINTENANCE							
Field Prep./Maintenance: _____							
No.	Date	Treatment Name	Form	Form	Form	Rate	Unit
1. _____							

SOIL DESCRIPTION			
Texture: LOAMY SAND % OM: 1.19 % Sand: 86 % Silt: 4 % Clay: 10 pH: 6.0 CEC: _____ Soil Name: ORANGEBURG Fertility Level: GOOD			
MOISTURE CONDITIONS			
On: Date	Time	Amount	Unit
1. May-2-16 _____ 0.76 IN RAINFALL 2. May-3-16 _____ 0.47 IN RAINFALL 3. May-13-16 _____ 0.5 IN SPRINKLER - CENTER PIVOT 4. May-17-16 _____ 0.16 IN RAINFALL 5. May-18-16 _____ 0.56 IN RAINFALL			
Interval Unit _____			
Overall Moisture Conditions: _____ Closest Weather Station: _____ Distance: _____ Unit: _____			

APPLICATION DESCRIPTION							
		A	B	C	D	E	F
Application Date:	May-16-16						
Time of Day:	7:30 AM						
Application Method:	BROADCAST						
Application Timing:	POST						
Applic. Placement:	FOLIAGE						
Air Temp., Unit:	68 F						
% Relative Humidity:	38						
Wind Velocity, Unit:	1 MPH						
Dew Presence (Y/N):	N						
Water Hardness:	--						
Soil Temp., Unit:	70 F						
Soil Moisture:	OPT						
% Cloud Cover:	65						

CROP STAGE AT EACH APPLICATION							
		A	B	C	D	E	F
Crop 1	Stage: ARAHY						
Stage Scale:	V2-V4 3"W						
Height, Unit:	2 IN						

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		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: _____	_____	_____	_____	_____	_____	_____
	Stage Scale: _____	_____	_____	_____	_____	_____	_____
	Density, Unit: _____	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	_____	_____	_____	_____	_____	_____
Operating Pressure:	38	_____	_____	_____	_____	_____	_____
Nozzle Type:	AIXR	_____	_____	_____	_____	_____	_____
Nozzle Size:	11002	_____	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	20	IN	_____	_____	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	60	IN	_____	_____	_____	_____	_____
Boom Height, Unit:	20	IN	_____	_____	_____	_____	_____
Ground Speed, Unit:	3.5	MPH	_____	_____	_____	_____	_____
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____
Carrier:	WATER	_____	_____	_____	_____	_____	_____
Spray Volume, Unit:	15	GPA	_____	_____	_____	_____	_____
Spray pH:	_____	_____	_____	_____	_____	_____	_____
Propellant:	CO2	_____	_____	_____	_____	_____	_____
Tank Mix (Y/N):	_____	_____	_____	_____	_____	_____	_____

Trt No	Treatment Application Comment
_____	_____

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ELE-MAX ENC WITH GRAMOXONE IN PEANUTS CROP TOLERANCE						
Trial ID: PE-20-16		Study Dir.: ZACH TAYLOR				
Location: ATTAPULGUS		Investigator: Eric P. Prostko				
Weed Code		----- ARAHY PLANT - STUNTING PERCENT May-19-16 3 DA-A	----- ARAHY LEAF - BURN PERCENT May-19-16 3 DA-A	----- ARAHY PLANT - NDVI May-19-16 3 DA-A	----- ARAHY PLANT - STUNTING PERCENT May-23-16 7 DA-A	----- ARAHY LEAF - BURN PERCENT May-23-16 7 DA-A
Crop Code						
Part Rated						
Rating Data Type						
Rating Unit						
Rating Date						
Trt-Eval Interval						
PRM Data Type						
# Subsamples, Dec.				- 4		- 4
Trt Treatment No. Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	
TABLE OF R MEANS						
Replicate 1						
Replicate 2						
Replicate 3						
Replicate 4						
TABLE OF A (ELE-MAX ENC) MEANS						
1 NO ELE-MAX ENC						
2 ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST A		
LSD P=.10						
Standard Deviation						
CV						
TABLE OF B (TREATMENT) MEANS						
1 NTC						
2 GRAMOXONE	2 SL		8.0 oz/a	POST A		
2 NIS			0.25 % v/v	POST A		
3 GRAMOXONE	2 SL		8.0 oz/a	POST A		
3 DUAL MAGNUM	7.64 EC		16.0 oz/a	POST A		
4 GRAMOXONE	2 SL		12.0 oz/a	POST A		
4 STORM	4 SL		16.0 oz/a	POST A		
4 DUAL MAGNUM	7.64 EC		16.0 oz/a	POST A		
LSD P=.10						
Standard Deviation						
CV						
TABLE OF A (ELE-MAX ENC) B (TREATMENT) MEANS						
1 NO ELE-MAX ENC						
1 NTC						
2 ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST A		
1 NTC						
1 NO ELE-MAX ENC						
2 GRAMOXONE	2 SL		8.0 oz/a	POST A		
2 NIS			0.25 % v/v	POST A		
2 ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST A		
2 GRAMOXONE	2 SL		8.0 oz/a	POST A		
2 NIS			0.25 % v/v	POST A		
1 NO ELE-MAX ENC						
3 GRAMOXONE	2 SL		8.0 oz/a	POST A		
3 DUAL MAGNUM	7.64 EC		16.0 oz/a	POST A		
2 ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST A		
3 GRAMOXONE	2 SL		8.0 oz/a	POST A		
3 DUAL MAGNUM	7.64 EC		16.0 oz/a	POST A		
1 NO ELE-MAX ENC						
4 GRAMOXONE	2 SL		12.0 oz/a	POST A		
4 STORM	4 SL		16.0 oz/a	POST A		
4 DUAL MAGNUM	7.64 EC		16.0 oz/a	POST A		
2 ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST A		
4 GRAMOXONE	2 SL		12.0 oz/a	POST A		
4 STORM	4 SL		16.0 oz/a	POST A		
4 DUAL MAGNUM	7.64 EC		16.0 oz/a	POST A		
LSD P=.10						
Standard Deviation						
CV						

Means followed by same letter or symbol do not significantly differ (P=.10, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code							----- ARAHY PLANT - STUNTING PERCENT Jun-3-16 18 DA-A	----- ARAHY LEAF - BURN PERCENT Jun-3-16 18 DA-A	----- ARAHY PLANT - STUNTING PERCENT Jun-13-16 28 DA-A	----- ARAHY PLANT - STUNTING PERCENT Jul-8-16 53 DA-A	----- ARAHY PLOT - YIELD LBS Sep-26-16 133 DA-A	----- ARAHY PLOT - YIELD LBS Sep-26-16 133 DA-A T1
Crop Code											- 2	- 2
Part Rated												
Rating Data Type												
Rating Unit												
Rating Date												
Trt-Eval Interval												
PRM Data Type												
# Subsamples, Dec.												
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit Unit	Grow Stg	Appl Code	7	8	9	10	11	12
TABLE OF R MEANS												
Replicate 1							3.8	0.0	1.3	6.9	16.09	15.77
Replicate 2							5.6	0.0	3.8	5.6	17.38	17.03
Replicate 3							3.8	0.0	3.1	6.3	15.13	14.83
Replicate 4							5.0	0.0	3.1	3.8	17.76	17.41
TABLE OF A (ELE-MAX ENC) MEANS												
1 NO ELE-MAX ENC							5.0 a	0.0 a	3.4 a	6.3 a	17.09 a	16.75 a
2 ELE-MAX ENC (11-8-5) 2.45 SL 32.0 oz/a POST A							4.1 a	0.0 a	2.2 a	5.0 a	16.09 a	15.77 a
LSD P=.10							1.41	.	3.18	5.23	1.620	1.588
Standard Deviation							1.69	0.00	3.82	6.29	1.947	1.908
CV							37.35	0.00	135.78	111.85	11.737	11.737
TABLE OF B (TREATMENT) MEANS												
1 NTC							0.6 c	0.0 a	1.3 b	3.1 b	16.48 a	16.15 a
2 GRAMOXONE 2 SL 8.0 oz/a POST A							3.8 bc	0.0 a	0.6 b	2.5 b	17.01 a	16.67 a
2 NIS 0.25 % v/v POST A												
3 GRAMOXONE 2 SL 8.0 oz/a POST A							7.5 a	0.0 a	5.6 a	9.4 a	16.71 a	16.37 a
3 DUAL MAGNUM 7.64 EC 16.0 oz/a POST A												
4 GRAMOXONE 2 SL 12.0 oz/a POST A							6.3 ab	0.0 a	3.8 ab	7.5 a	16.18 a	15.85 a
4 STORM 4 SL 16.0 oz/a POST A												
4 DUAL MAGNUM 7.64 EC 16.0 oz/a POST A												
LSD P=.10							3.25	.	3.29	4.04	1.836	1.799
Standard Deviation							3.55	0.00	3.58	4.41	2.003	1.963
CV							78.30	0.00	127.44	78.39	12.071	12.071
TABLE OF A (ELE-MAX ENC) B (TREATMENT) MEANS												
1 NO ELE-MAX ENC							0.0 a	0.0 a	0.0 a	0.0 c	17.60 a	17.25 a
1 NTC												
2 ELE-MAX ENC (11-8-5) 2.45 SL 32.0 oz/a POST A							1.3 a	0.0 a	2.5 a	6.3 b	15.35 a	15.04 a
1 NTC												
1 NO ELE-MAX ENC							3.8 a	0.0 a	1.3 a	5.0 bc	17.84 a	17.48 a
2 GRAMOXONE 2 SL 8.0 oz/a POST A												
2 NIS 0.25 % v/v POST A												
2 ELE-MAX ENC (11-8-5) 2.45 SL 32.0 oz/a POST A							3.8 a	0.0 a	0.0 a	0.0 c	16.19 a	15.86 a
2 GRAMOXONE 2 SL 8.0 oz/a POST A												
2 NIS 0.25 % v/v POST A												
1 NO ELE-MAX ENC							8.8 a	0.0 a	8.8 a	13.8 a	16.59 a	16.26 a
3 GRAMOXONE 2 SL 8.0 oz/a POST A												
3 DUAL MAGNUM 7.64 EC 16.0 oz/a POST A												
2 ELE-MAX ENC (11-8-5) 2.45 SL 32.0 oz/a POST A							6.3 a	0.0 a	2.5 a	5.0 bc	16.83 a	16.49 a
3 GRAMOXONE 2 SL 8.0 oz/a POST A												
3 DUAL MAGNUM 7.64 EC 16.0 oz/a POST A												
1 NO ELE-MAX ENC							7.5 a	0.0 a	3.8 a	6.3 b	16.34 a	16.01 a
4 GRAMOXONE 2 SL 12.0 oz/a POST A												
4 STORM 4 SL 16.0 oz/a POST A												
4 DUAL MAGNUM 7.64 EC 16.0 oz/a POST A												
2 ELE-MAX ENC (11-8-5) 2.45 SL 32.0 oz/a POST A							5.0 a	0.0 a	3.8 a	8.8 ab	16.01 a	15.69 a
4 GRAMOXONE 2 SL 12.0 oz/a POST A												
4 STORM 4 SL 16.0 oz/a POST A												
4 DUAL MAGNUM 7.64 EC 16.0 oz/a POST A												
LSD P=.10							4.85	.	4.04	5.07	2.779	2.724
Standard Deviation							3.74	0.00	3.12	3.91	2.144	2.101
CV							82.50	0.00	110.86	69.49	12.922	12.922

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Weed Code	-----					
Crop Code	ARAHY					
Part Rated	PLOT -					
Rating Data Type	YIELD					
Rating Unit	LBS/A					
Rating Date	Sep-26-16					
Trt-Eval Interval	133 DA-A					
PRM Data Type	TY2					
# Subsamples, Dec.	- 0					
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code
						13
TABLE OF R MEANS						
Replicate 1						4438
Replicate 2						4793
Replicate 3						4172
Replicate 4						4898
TABLE OF A (ELE-MAX ENC) MEANS						
1 NO ELE-MAX ENC						4713 a
2 ELE-MAX ENC (11-8-5)	2.45	SL	32.0	oz/a	POST A	4438 a
LSD P=.10						446.8
Standard Deviation						537.0
CV						11.7
TABLE OF B (TREATMENT) MEANS						
1 NTC						4543 a
2 GRAMOXONE	2	SL	8.0	oz/a	POST A	4691 a
2 NIS			0.25	% v/v	POST A	
3 GRAMOXONE	2	SL	8.0	oz/a	POST A	4607 a
3 DUAL MAGNUM	7.64	EC	16.0	oz/a	POST A	
4 GRAMOXONE	2	SL	12.0	oz/a	POST A	4460 a
4 STORM	4	SL	16.0	oz/a	POST A	
4 DUAL MAGNUM	7.64	EC	16.0	oz/a	POST A	
LSD P=.10						506.2
Standard Deviation						552.3
CV						12.1
TABLE OF A (ELE-MAX ENC) B (TREATMENT) MEANS						
1 NO ELE-MAX ENC						4853 a
1 NTC						4233 a
2 ELE-MAX ENC (11-8-5)	2.45	SL	32.0	oz/a	POST A	
1 NO ELE-MAX ENC						4918 a
2 GRAMOXONE	2	SL	8.0	oz/a	POST A	4464 a
2 NIS			0.25	% v/v	POST A	
2 ELE-MAX ENC (11-8-5)	2.45	SL	32.0	oz/a	POST A	4574 a
2 GRAMOXONE	2	SL	8.0	oz/a	POST A	
2 NIS			0.25	% v/v	POST A	
1 NO ELE-MAX ENC						4639 a
3 GRAMOXONE	2	SL	8.0	oz/a	POST A	
3 DUAL MAGNUM	7.64	EC	16.0	oz/a	POST A	4505 a
2 ELE-MAX ENC (11-8-5)	2.45	SL	32.0	oz/a	POST A	
3 GRAMOXONE	2	SL	8.0	oz/a	POST A	
3 DUAL MAGNUM	7.64	EC	16.0	oz/a	POST A	4415 a
1 NO ELE-MAX ENC						
4 GRAMOXONE	2	SL	12.0	oz/a	POST A	
4 STORM	4	SL	16.0	oz/a	POST A	766.3
4 DUAL MAGNUM	7.64	EC	16.0	oz/a	POST A	
LSD P=.10						591.2
Standard Deviation						12.9
CV						

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COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT May-19-16 3 DA-A (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	1271.875000				
R	3	78.125000	26.041667	4.688	0.0309	
A	1	12.500000	12.500000	6.000	0.0917	1.2
RA	3	6.250000	2.083333			
B	3	978.125000	326.041667	25.378	0.0001	3.3
RB	9	115.625000	12.847222			
AB	3	31.250000	10.416667	1.875	0.2042	3.1
RAB	9	50.000000	5.555556			

COMPLETE FACTORIAL AOV For ----- ARAHY LEAF BURN PERCENT May-19-16 3 DA-A (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	7087.500000				
R	3	93.750000	31.250000	4.091	0.0435	
A	1	612.500000	612.500000	22.615	0.0176	4.3
RA	3	81.250000	27.083333			
B	3	5737.500000	1912.500000	131.143	0.0001	3.5
RB	9	131.250000	14.583333			
AB	3	362.500000	120.833333	15.818	0.0006	3.6
RAB	9	68.750000	7.638889			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT NDVI May-19-16 3 DA-A 4 (Data Column 3) Missing values in column 3 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	30	0.015759				
R	3	0.003023	0.001008	4.630	0.0369	
A	1	0.001397	0.001397	2.683	0.1999	0.0190
RA	3	0.001562	0.000521			
B	3	0.006392	0.002131	13.559	0.0011	0.0115
RB	9	0.001414	0.000157			
AB	3	0.000229	0.000076	0.350	0.7904	0.0194
RAB	8	0.001741	0.000218			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT May-23-16 7 DA-A (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	1337.500000				
R	3	62.500000	20.833333	6.667	0.0115	
A	1	28.125000	28.125000	9.000	0.0577	1.5
RA	3	9.375000	3.125000			
B	3	937.500000	312.500000	32.143	0.0001	2.9
RB	9	87.500000	9.722222			
AB	3	184.375000	61.458333	19.667	0.0003	2.3
RAB	9	28.125000	3.125000			

COMPLETE FACTORIAL AOV For ----- ARAHY LEAF BURN PERCENT May-23-16 7 DA-A (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	1324.218750				
R	3	52.343750	17.447917	2.481	0.1273	
A	1	0.781250	0.781250	0.158	0.7177	1.9
RA	3	14.843750	4.947917			
B	3	1133.593750	377.864583	66.969	0.0001	2.2
RB	9	50.781250	5.642361			
AB	3	8.593750	2.864583	0.407	0.7515	3.4
RAB	9	63.281250	7.031250			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT NDVI May-23-16 7 DA-A 4 (Data Column 6) Missing values in column 6 results in unbalanced data, Least Squares Analysis is preferred						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	30	0.009245				
R	3	0.001702	0.000567	3.581	0.0662	
A	1	0.000455	0.000455	3.676	0.1510	0.0093
RA	3	0.000371	0.000124			
B	3	0.003741	0.001247	9.220	0.0042	0.0107
RB	9	0.001217	0.000135			
AB	3	0.000491	0.000164	1.034	0.4279	0.0165
RAB	8	0.001267	0.000158			

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COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT Jun-3-16 18 DA-A (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	517.968750				
R	3	21.093750	7.031250	0.503	0.6896	
A	1	7.031250	7.031250	2.455	0.2152	1.4
RA	3	8.593750	2.864583			
B	3	221.093750	73.697917	5.855	0.0169	3.3
RB	9	113.281250	12.586806			
AB	3	21.093750	7.031250	0.503	0.6896	4.8
RAB	9	125.781250	13.975694			

COMPLETE FACTORIAL AOV For ----- ARAHY LEAF BURN PERCENT Jun-3-16 18 DA-A (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	0.000000				
R	3	0.000000	0.000000	0.000	1.0000	
A	1	0.000000	0.000000	0.000	1.0000	.
RA	3	0.000000	0.000000			
B	3	0.000000	0.000000	0.000	1.0000	.
RB	9	0.000000	0.000000			
AB	3	0.000000	0.000000	0.000	1.0000	.
RAB	9	0.000000	0.000000			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT Jun-13-16 28 DA-A (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	496.875000				
R	3	28.125000	9.375000	0.964	0.4508	
A	1	12.500000	12.500000	0.857	0.4228	3.2
RA	3	43.750000	14.583333			
B	3	128.125000	42.708333	3.324	0.0705	3.3
RB	9	115.625000	12.847222			
AB	3	81.250000	27.083333	2.786	0.1020	4.0
RAB	9	87.500000	9.722222			

COMPLETE FACTORIAL AOV For ----- ARAHY PLANT STUNTING PERCENT Jul-8-16 53 DA-A (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	1037.500000				
R	3	43.750000	14.583333	0.955	0.4548	
A	1	12.500000	12.500000	0.316	0.6134	5.2
RA	3	118.750000	39.583333			
B	3	268.750000	89.583333	4.607	0.0323	4.0
RB	9	175.000000	19.444444			
AB	3	281.250000	93.750000	6.136	0.0147	5.1
RAB	9	137.500000	15.277778			

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS Sep-26-16 133 DA-A 2 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	142.770547				
R	3	35.000234	11.666745	2.538	0.1221	
A	1	7.950078	7.950078	2.096	0.2435	1.62
RA	3	11.377109	3.792370			
B	3	3.019609	1.006536	0.251	0.8588	1.84
RB	9	36.104453	4.011606			
AB	3	7.943984	2.647995	0.576	0.6451	2.78
RAB	9	41.375078	4.597231			

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS Sep-26-16 133 DA-A T1 2 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	137.116833				
R	3	33.614225	11.204742	2.538	0.1221	
A	1	7.635255	7.635255	2.096	0.2435	1.59
RA	3	10.926576	3.642192			
B	3	2.900033	0.966678	0.251	0.8588	1.80
RB	9	34.674717	3.852746			
AB	3	7.629403	2.543134	0.576	0.6451	2.72
RAB	9	39.736625	4.415181			

COMPLETE FACTORIAL AOV For ----- ARAHY PLOT YIELD LBS/A Sep-26-16 133 DA-A TY2 0 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	31	10855050.459113				
R	3	2661118.266599	887039.422200	2.538	0.1221	
A	1	604455.898571	604455.898571	2.096	0.2435	447
RA	3	865018.024009	288339.341336			
B	3	229585.253050	76528.417683	0.251	0.8588	506
RB	9	2745073.609711	305008.178857			
AB	3	603992.581975	201330.860658	0.576	0.6451	766
RAB	9	3145806.825198	349534.091689			

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ELE-MAX ENC WITH GRAMOXONE IN PEANUTS CROP TOLERANCE	
Trial ID: PE-20-16	Study Dir.: ZACH TAYLOR
Location: ATTAPULGUS	Investigator: Eric P. Prostko
<u>Part Rated</u> PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf) LEAF = LEAF / FOLIAGE PRM Data Type T1 = [11]*0.98 TY2 = 281.3653*[12]	

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ELE-MAX ENC WITH GRAMOXONE IN PEANUTS														
CROP TOLERANCE														
Trial ID: PE-20-16				Study Dir.: ZACH TAYLOR										
Location: ATTAPULGUS				Investigator: Eric P. Prostko										
Weed Code							-----	-----	-----	-----	-----	-----		
Crop Code							ARAHY	ARAHY	ARAHY	ARAHY	ARAHY	ARAHY		
Part Rated							PLANT -	LEAF -	PLANT -	PLANT -	LEAF -	PLANT -		
Rating Data Type							STUNTING	BURN	NDVI	STUNTING	BURN	NDVI		
Rating Unit							PERCENT	PERCENT		PERCENT	PERCENT			
Rating Date							May-19-16	May-19-16	May-19-16	May-23-16	May-23-16	May-23-16		
Trt-Eval Interval							3 DA-A	3 DA-A	3 DA-A	7 DA-A	7 DA-A	7 DA-A		
PRM Data Type														
# Subsamples, Dec.									- 4			- 4		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6
1	NO ELE-MAX ENC						101		0.0	0.0	0.2156	0.0	0.0	0.1537
	NTC						208		0.0	0.0	0.2335	0.0	0.0	0.1879
							307		0.0	0.0	0.2222	0.0	0.0	0.1605
							401		0.0	0.0	0.2283	0.0	0.0	0.1718
							Mean =		0.0	0.0	0.2249	0.0	0.0	0.1685
2	NO ELE-MAX ENC						102		10.0	25.0	0.1691	0.0	10.0	0.1519
	GRAMOXONE	2 SL		8.0 oz/a	POST	A	204		15.0	30.0	0.2041	5.0	15.0	0.1663
	NIS			0.25 % v/v	POST	A	301		10.0	35.0	0.2020	5.0	10.0	0.1723
							405		15.0	35.0	0.2096	5.0	10.0	0.1830
							Mean =		12.5	31.3	0.1962	3.8	11.3	0.1684
3	NO ELE-MAX ENC						103		15.0	40.0	0.1660	20.0	20.0	0.1242
	GRAMOXONE	2 SL		8.0 oz/a	POST	A	207		15.0	40.0	0.2009	20.0	15.0	0.1318
	DUAL MAGNUM	7.64 EC		16.0 oz/a	POST	A	304		20.0	45.0	0.1850	20.0	15.0	0.1634
							406		15.0	50.0	.	20.0	10.0	.
							Mean =		16.3	43.8	0.1840	20.0	15.0	0.1398
4	NO ELE-MAX ENC						104		5.0	15.0	0.1900	5.0	10.0	0.1540
	GRAMOXONE	2 SL		12.0 oz/a	POST	A	203		10.0	15.0	0.2241	5.0	15.0	0.1550
	STORM	4 SL		16.0 oz/a	POST	A	308		10.0	25.0	0.2271	10.0	15.0	0.1811
	DUAL MAGNUM	7.64 EC		16.0 oz/a	POST	A	404		15.0	25.0	0.2251	10.0	15.0	0.1708
							Mean =		10.0	20.0	0.2166	7.5	13.8	0.1652
5	ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST	A	105		0.0	0.0	0.2262	0.0	0.0	0.1641
	NTC						202		0.0	0.0	0.2276	0.0	0.0	0.1837
							306		0.0	0.0	0.2064	0.0	0.0	0.1749
							408		0.0	0.0	0.2814	0.0	0.0	0.2155
							Mean =		0.0	0.0	0.2354	0.0	0.0	0.1846
6	ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST	A	106		0.0	15.0	0.2053	5.0	10.0	0.1652
	GRAMOXONE	2 SL		8.0 oz/a	POST	A	205		10.0	15.0	0.2230	5.0	15.0	0.1730
	NIS			0.25 % v/v	POST	A	302		10.0	15.0	0.1997	5.0	5.0	0.1768
							403		15.0	10.0	0.2014	10.0	10.0	0.1629
							Mean =		8.8	13.8	0.2074	6.3	10.0	0.1695
7	ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST	A	107		15.0	30.0	0.2121	10.0	15.0	0.1536
	GRAMOXONE	2 SL		8.0 oz/a	POST	A	206		10.0	30.0	0.2037	10.0	20.0	0.1511
	DUAL MAGNUM	7.64 EC		16.0 oz/a	POST	A	303		15.0	25.0	0.2018	10.0	15.0	0.1549
							407		15.0	40.0	0.2077	10.0	15.0	0.1577
							Mean =		13.8	31.3	0.2063	10.0	16.3	0.1543
8	ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST	A	108		10.0	15.0	0.2121	0.0	15.0	0.1570
	GRAMOXONE	2 SL		12.0 oz/a	POST	A	201		10.0	15.0	0.2356	5.0	15.0	0.1590
	STORM	4 SL		16.0 oz/a	POST	A	305		10.0	15.0	0.2025	10.0	10.0	0.1581
	DUAL MAGNUM	7.64 EC		16.0 oz/a	POST	A	402		15.0	15.0	0.2515	15.0	10.0	0.1806
							Mean =		11.3	15.0	0.2254	7.5	12.5	0.1637

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.							----- ARAHY PLANT - STUNTING PERCENT Jun-3-16 18 DA-A	----- ARAHY LEAF - BURN PERCENT Jun-3-16 18 DA-A	----- ARAHY PLANT - STUNTING PERCENT Jun-13-16 28 DA-A	----- ARAHY PLANT - STUNTING PERCENT Jul-8-16 53 DA-A	----- ARAHY PLOT - YIELD LBS Sep-26-16 133 DA-A - 2	----- ARAHY PLOT - YIELD LBS Sep-26-16 133 DA-A T1 - 2
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
1 NO ELE-MAX ENC NTC						101 208 307 401 Mean =	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	20.75 15.05 14.95 19.65 17.60	20.34 14.75 14.65 19.26 17.25
2 NO ELE-MAX ENC GRAMOXONE NIS	2 SL		8.0 oz/a 0.25 % v/v	POST A		102 204 301 405 Mean =	0.0 10.0 0.0 5.0 3.8	0.0 0.0 0.0 0.0 0.0	0.0 5.0 0.0 0.0 1.3	10.0 10.0 0.0 0.0 5.0	17.05 16.75 18.55 19.00 17.84	16.71 16.42 18.18 18.62 17.48
3 NO ELE-MAX ENC GRAMOXONE DUAL MAGNUM	2 SL 7.64 EC		8.0 oz/a 16.0 oz/a	POST A		103 207 304 406 Mean =	5.0 10.0 10.0 10.0 8.8	0.0 0.0 0.0 0.0 0.0	0.0 15.0 10.0 10.0 8.8	15.0 15.0 15.0 10.0 13.8	17.70 18.35 13.55 16.75 16.59	17.35 17.98 13.28 16.42 16.26
4 NO ELE-MAX ENC GRAMOXONE STORM DUAL MAGNUM	2 SL 4 SL 7.64 EC		12.0 oz/a 16.0 oz/a 16.0 oz/a	POST A		104 203 308 404 Mean =	10.0 5.0 5.0 10.0 7.5	0.0 0.0 0.0 0.0 0.0	5.0 5.0 0.0 5.0 3.8	10.0 10.0 5.0 0.0 6.3	13.95 18.45 13.85 19.10 16.34	13.67 18.08 13.57 18.72 16.01
5 ELE-MAX ENC (11-8-5) NTC	2.45 SL		32.0 oz/a	POST A		105 202 306 408 Mean =	0.0 5.0 0.0 0.0 1.3	0.0 0.0 0.0 0.0 0.0	5.0 0.0 0.0 5.0 2.5	0.0 10.0 5.0 10.0 6.3	12.90 14.50 16.85 17.15 15.35	12.64 14.21 16.51 16.81 15.04
6 ELE-MAX ENC (11-8-5) GRAMOXONE NIS	2.45 SL 2 SL		32.0 oz/a 8.0 oz/a 0.25 % v/v	POST A		106 205 302 403 Mean =	5.0 5.0 0.0 5.0 3.8	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	13.85 18.55 15.25 17.10 16.19	13.57 18.18 14.95 16.76 15.86
7 ELE-MAX ENC (11-8-5) GRAMOXONE DUAL MAGNUM	2.45 SL 2 SL 7.64 EC		32.0 oz/a 8.0 oz/a 16.0 oz/a	POST A		107 206 303 407 Mean =	10.0 5.0 10.0 0.0 6.3	0.0 0.0 0.0 0.0 0.0	0.0 5.0 5.0 0.0 2.5	10.0 0.0 10.0 0.0 5.0	15.05 19.20 15.45 17.60 16.83	14.75 18.82 15.14 17.25 16.49
8 ELE-MAX ENC (11-8-5) GRAMOXONE STORM DUAL MAGNUM	2.45 SL 2 SL 4 SL 7.64 EC		32.0 oz/a 12.0 oz/a 16.0 oz/a 16.0 oz/a	POST A		108 201 305 402 Mean =	0.0 5.0 5.0 10.0 5.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 10.0 5.0 3.8	10.0 0.0 15.0 10.0 8.8	17.50 18.20 12.60 15.75 16.01	17.15 17.84 12.35 15.44 15.69

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Weed Code										-----
Crop Code										ARAHY
Part Rated										PLOT -
Rating Data Type										YIELD
Rating Unit										LBS/A
Rating Date										Sep-26-16
Trt-Eval Interval										133 DA-A
PRM Data Type										TY2
# Subsamples, Dec.										- 0
Trt Treatment	Form	Form	Rate	Grow	Appl					
No. Name	Conc	Type	Rate	Unit	Stg	Code	Plot			13
1 NO ELE-MAX ENC							101			5722
NTC							208			4150
							307			4122
							401			5418
							Mean =			4853
2 NO ELE-MAX ENC							102			4701
GRAMOXONE	2 SL		8.0 oz/a	POST	A		204			4619
NIS			0.25 % v/v	POST	A		301			5115
							405			5239
							Mean =			4918
3 NO ELE-MAX ENC							103			4881
GRAMOXONE	2 SL		8.0 oz/a	POST	A		207			5060
DUAL MAGNUM	7.64 EC		16.0 oz/a	POST	A		304			3736
							406			4619
							Mean =			4574
4 NO ELE-MAX ENC							104			3847
GRAMOXONE	2 SL		12.0 oz/a	POST	A		203			5087
STORM	4 SL		16.0 oz/a	POST	A		308			3819
DUAL MAGNUM	7.64 EC		16.0 oz/a	POST	A		404			5267
							Mean =			4505
5 ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST	A		105			3557
NTC							202			3998
							306			4646
							408			4729
							Mean =			4233
6 ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST	A		106			3819
GRAMOXONE	2 SL		8.0 oz/a	POST	A		205			5115
NIS			0.25 % v/v	POST	A		302			4205
							403			4715
							Mean =			4464
7 ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST	A		107			4150
GRAMOXONE	2 SL		8.0 oz/a	POST	A		206			5294
DUAL MAGNUM	7.64 EC		16.0 oz/a	POST	A		303			4260
							407			4853
							Mean =			4639
8 ELE-MAX ENC (11-8-5)	2.45 SL		32.0 oz/a	POST	A		108			4825
GRAMOXONE	2 SL		12.0 oz/a	POST	A		201			5018
STORM	4 SL		16.0 oz/a	POST	A		305			3474
DUAL MAGNUM	7.64 EC		16.0 oz/a	POST	A		402			4343
							Mean =			4415

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ELE-MAX ENC WITH GRAMOXONE IN PEANUTS CROP TOLERANCE	
Trial ID: PE-20-16	Study Dir.: ZACH TAYLOR
Location: ATTAPULGUS	Investigator: Eric P. Prostko
<u>Part Rated</u> PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf) LEAF = LEAF / FOLIAGE PRM Data Type T1 = [11]*0.98 TY2 = 281.3653*[12]	