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PEANUT RESPONSE TO SINBAR APPLIED PRE - II	
Trial ID: PE-09-17	Study Dir.: WEN CARTER
Location: ATTAPULGUS	Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.78211 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Appl Code	Amt Product to Measure	Rep			
									1	2	3	4
1	NTC								101	205	302	404
2	SINBAR	80	WG	4.0 oz/a		PRE	A	2.996 g/mx	102	203	301	405
3	SINBAR	80	WG	2.0 oz/a		PRE	A	1.498 g/mx	103	202	305	403
4	SINBAR	80	WG	1.0 oz/a		PRE	A	0.7489 g/mx	104	201	304	402
5	SINBAR	80	WG	0.5 oz/a		PRE	A	0.3745 g/mx	105	204	303	401

Sort Order: Treatment

Trial Comments

PROWL H20 3.8ASC @ 1 QT/A - PRE WITH ALL TRTS INCLUDING NTC (25 MLS/BOTTLE)

CADRE @ 4 OZ/A + DUAL MAGNUM @ 16 OZ/A + 2,4-DB @ 16 OZ/A - EPOST (MAY 25)

SELECT @ 10 OZ/A + COC @ 1% V/V - AUGUST 17

MAINTAINED WEED-FREE

AVERAGE 1/2 LIFE OF SINBAR IS 120 DAYS.

DIGGING DATE: SEPTEMBER 21

HARVEST DATES: SEPTEMBER 28

HARVEST MOISTURE: 7.5%

YIELDS ADJUSTED TO 10% MOISTURE

YIELDS LOWER THAN EXPECTED DUE TO SIGNIFICANT WILDLIFE DAMAGE (DEER, CROWS).

SUMMARY:

- 1) PEANUT PLANT POPULATIONS WERE NOT REDUCED BY ANY RATE OF SINBAR.
- 2) GENERALLY, THE 2 AND 4 OZ/A RATE OF SINBAR CAUSED SIGNIFICANT CROP STUNTING.
- 3) PEANUT YIELDS WERE NOT REDUCED BY ANY RATE OF SINBAR.

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CROP STAGE AT EACH APPLICATION							
		A	B	C	D	E	F
Crop 1	Stage: ARAHY	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Height, Unit:	_____	_____	_____	_____	_____	_____

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:	36	_____	_____	_____	_____	_____	_____
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:	3.0	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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PEANUT RESPONSE TO SINBAR APPLIED PRE - II														
Trial ID: PE-09-17		Study Dir.: WEN CARTER												
Location: ATTAPULGUS		Investigator: Eric P. Prostko												
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	PRM Data Type	# Subsamples, Dec.						
	ARAHY CROP - STUNT	ARAHY CROP - PLANTS /5 RWFT	ARAHY FOLIAR - INJURY	ARAHY CROP - STUNT	ARAHY CROP - STUNT	ARAHY CROP - STUNT	ARAHY PLANTS /5RWFT	ARAHY CROP - STUNT	ARAHY CROP - STUNT					
	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT					
	May-17-17	May-17-17	May-31-17	May-31-17	Jun-13-17	Jun-13-17	Jun-13-17	Jun-30-17	Jul-20-17					
	14 DA-A	14 DA-A	28 DA-A	28 DA-A	41 DA-A	41 DA-A	41 DA-A	58 DA-A	78 DA-A					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg								
							1	2	3					
							4	5	6					
							7	8						
1	NTC						0.0 a	22.0 a	0.0 d	0.0 d	0.0 b	14.8 a	0.0 b	0.0 b
2	SINBAR	80 WG		4.0 oz/a	PRE	A	0.0 a	21.3 a	16.3 a	17.5 a	13.8 a	14.3 a	7.5 a	11.3 a
3	SINBAR	80 WG		2.0 oz/a	PRE	A	0.0 a	22.8 a	11.3 b	10.0 b	11.3 a	14.5 a	2.5 b	8.8 a
4	SINBAR	80 WG		1.0 oz/a	PRE	A	0.0 a	21.0 a	6.3 c	5.0 c	7.5 ab	13.8 a	2.5 b	2.5 b
5	SINBAR	80 WG		0.5 oz/a	PRE	A	0.0 a	22.3 a	5.0 c	3.8 cd	7.5 ab	14.8 a	1.3 b	2.5 b
LSD	P=.10							2.34	4.78	4.88	8.28	1.36	3.82	5.84
	Standard Deviation						0.00	1.86	3.79	3.87	6.57	1.08	3.03	4.63
	CV						0.0	8.49	48.92	53.42	82.09	7.5	110.1	92.65
	Grand Mean						0.00	21.85	7.75	7.25	8.00	14.40	2.75	5.00
	Bartlett's X2						0.0	3.089	0.296	2.075	2.877	4.822	1.774	2.095
	P(Bartlett's X2)						.	0.543	0.862	0.557	0.411	0.306	0.621	0.553
	Replicate F						0.000	2.029	1.942	3.639	0.155	6.286	1.227	0.466
	Replicate Prob(F)						1.0000	0.1636	0.1767	0.0448	0.9247	0.0083	0.3425	0.7114
	Treatment F						0.000	0.603	10.739	12.167	2.507	0.600	3.545	4.223
	Treatment Prob(F)						1.0000	0.6679	0.0006	0.0003	0.0975	0.6698	0.0394	0.0231

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.
 Could not calculate LSD (% mean diff) for columns 1 because error mean square = 0.

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Weed Code							ARAHY	ARAHY	ARAHY
Crop Code							CROP -	PLOT -	PLOT -
Part Rated							STUNT	YIELD	YIELD
Rating Data Type							PERCENT	LBS	LBS/A
Rating Unit							Aug-7-17	Sep-28-17	Sep-28-17
Rating Date							96 DA-A	148 DA-A	148 DA-A
Trt-Eval Interval									TY1
PRM Data Type								- 2	- 1
# Subsamples, Dec.									
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code	9	10	11
1	NTC						0.0 a	5.40 a	1611.7 a
2	SINBAR	80 WG		4.0 oz/a	PRE	A	5.0 a	4.86 a	1451.3 a
3	SINBAR	80 WG		2.0 oz/a	PRE	A	6.3 a	5.91 a	1764.7 a
4	SINBAR	80 WG		1.0 oz/a	PRE	A	2.5 a	4.96 a	1481.1 a
5	SINBAR	80 WG		0.5 oz/a	PRE	A	0.0 a	5.85 a	1746.0 a
LSD P=.10							5.98	1.221	364.45
Standard Deviation							4.74	0.969	289.18
CV							172.49	17.95	17.95
Grand Mean							2.75	5.398	1610.97
Bartlett's X2							0.489	1.471	1.471
P(Bartlett's X2)							0.783	0.832	0.832
Replicate F							1.093	10.500	10.500
Replicate Prob(F)							0.3897	0.0011	0.0011
Treatment F							1.444	1.007	1.007
Treatment Prob(F)							0.2790	0.4416	0.4416

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.
Could not calculate LSD (% mean diff) for columns 1 because error mean square = 0.

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PEANUT RESPONSE TO SINBAR APPLIED PRE - II Trial ID: PE-09-17 Study Dir.: WEN CARTER Location: ATTAPULGUS Investigator: Eric P. Prostko
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<u>PRM Data Type</u> TY1 = 298.4667*[10]

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PEANUT RESPONSE TO SINBAR APPLIED PRE - II Trial ID: PE-09-17 Study Dir.: WEN CARTER Location: ATTAPULGUS Investigator: Eric P. Prostko								
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval PRM Data Type # Subsamples, Dec.	----- ARAHY CROP - STUNT PERCENT May-17-17 14 DA-A	----- ARAHY CROP - PLANTS /5 RWFT May-17-17 14 DA-A	----- ARAHY FOLIAR - INJURY PERCENT May-31-17 28 DA-A	----- ARAHY CROP - STUNT PERCENT May-31-17 28 DA-A	----- ARAHY CROP - STUNT PERCENT Jun-13-17 41 DA-A	----- ARAHY PLANTS /5RWFT Jun-13-17 41 DA-A	----- ARAHY CROP - STUNT PERCENT Jun-30-17 58 DA-A	
Trt Treatment Form Form Rate Grow Appl No. Name Conc Type Rate Unit Stg Code Plot	1	2	3	4	5	6	7	
1 NTC 101 205 302 404 Mean =	0.0 0.0 0.0 0.0 0.0	20.0 24.0 25.0 19.0 22.0	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	18.0 14.0 14.0 13.0 14.8	0.0 0.0 0.0 0.0 0.0	
2 SINBAR 80 WG 4.0 oz/a PRE A 102 203 301 405 Mean =	0.0 0.0 0.0 0.0 0.0	19.0 23.0 23.0 20.0 21.3	20.0 15.0 20.0 10.0 16.3	20.0 15.0 20.0 15.0 17.5	20.0 20.0 10.0 5.0 13.8	16.0 15.0 13.0 13.0 14.3	10.0 10.0 5.0 5.0 7.5	
3 SINBAR 80 WG 2.0 oz/a PRE A 103 202 305 403 Mean =	0.0 0.0 0.0 0.0 0.0	22.0 23.0 24.0 22.0 22.8	10.0 10.0 20.0 5.0 11.3	5.0 5.0 20.0 10.0 10.0	10.0 0.0 15.0 20.0 11.3	15.0 16.0 14.0 13.0 14.5	0.0 0.0 5.0 5.0 2.5	
4 SINBAR 80 WG 1.0 oz/a PRE A 104 201 304 402 Mean =	0.0 0.0 0.0 0.0 0.0	22.0 18.0 22.0 22.0 21.0	5.0 0.0 10.0 10.0 6.3	0.0 0.0 10.0 10.0 5.0	0.0 5.0 15.0 10.0 7.5	16.0 14.0 13.0 12.0 13.8	0.0 0.0 10.0 0.0 2.5	
5 SINBAR 80 WG 0.5 oz/a PRE A 105 204 303 401 Mean =	0.0 0.0 0.0 0.0 0.0	24.0 22.0 23.0 20.0 22.3	5.0 5.0 5.0 5.0 5.0	0.0 5.0 10.0 0.0 3.8	5.0 10.0 5.0 10.0 7.5	15.0 14.0 15.0 15.0 14.8	0.0 0.0 5.0 0.0 1.3	

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Weed Code		-----	-----	-----	-----						
Crop Code		ARAHY	ARAHY	ARAHY	ARAHY						
Part Rated		CROP -	CROP -	PLOT -	PLOT -						
Rating Data Type		STUNT	STUNT	YIELD	YIELD						
Rating Unit		PERCENT	PERCENT	LBS	LBS/A						
Rating Date		Jul-20-17	Aug-7-17	Sep-28-17	Sep-28-17						
Trt-Eval Interval		78 DA-A	96 DA-A	148 DA-A	148 DA-A						
PRM Data Type					TY1						
# Subsamples, Dec.				- 2	- 1						
Trt	Treatment Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate Unit	Stg	Code	Plot	8	9	10	11
1	NTC						101	0.0	0.0	6.15	1835.6
							205	0.0	0.0	6.40	1910.2
							302	0.0	0.0	6.85	2044.5
							404	0.0	0.0	2.20	656.6
							Mean =	0.0	0.0	5.40	1611.7
2	SINBAR	80	WG	4.0 oz/a	PRE	A	102	15.0	10.0	5.55	1656.5
							203	10.0	10.0	6.20	1850.5
							301	10.0	0.0	4.60	1372.9
							405	10.0	0.0	3.10	925.2
							Mean =	11.3	5.0	4.86	1451.3
3	SINBAR	80	WG	2.0 oz/a	PRE	A	103	10.0	10.0	7.00	2089.3
							202	10.0	0.0	6.75	2014.7
							305	0.0	0.0	6.20	1850.5
							403	15.0	15.0	3.70	1104.3
							Mean =	8.8	6.3	5.91	1764.7
4	SINBAR	80	WG	1.0 oz/a	PRE	A	104	0.0	0.0	5.85	1746.0
							201	0.0	0.0	6.00	1790.8
							304	0.0	0.0	4.10	1223.7
							402	10.0	10.0	3.90	1164.0
							Mean =	2.5	2.5	4.96	1481.1
5	SINBAR	80	WG	0.5 oz/a	PRE	A	105	0.0	0.0	8.50	2537.0
							204	0.0	0.0	4.95	1477.4
							303	10.0	0.0	5.85	1746.0
							401	0.0	0.0	4.10	1223.7
							Mean =	2.5	0.0	5.85	1746.0

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APPLIED PRE - II

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Location: ATTAPULGUS Investigator: Eric P. Prostko

PRM Data Type

TY1 = 298.4667*[10]