

University of Georgia

FIELD CORN LAY-BY WITH POWERMAX II +

TRICOR 4L

Trial ID: CN-11-19 Study Dir.: SETH MCALLISTER/TIM MCPHERSON

Location: TERRELL COUNTY Investigator: Eric P. Prostko

Reps: 3

Plots: 21 by 500 feet

Appl. Amount: 15 GAL/AC

Mix Size: 20 GAL (total for 3 plots; minimum=10.847 GAL)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3
1	NTC								-	101	202	301
2	ROUNDUP POWERMAX II TRICOR	5.5 4	SL L	32.0 oz/a 5.0 oz/a	LAYBY A LAYBY A			1261.7 mL/mx 197.1 mL/mx	74.249 L	102	201	302

Sort Order: Treatment

Trial Comments

ROUNDUP + ATRAZINE (~APRIL 1)

AGRASS = TX PANICUM + CRABGRASS

IPOSP = RED MG + CYPRESSVINE MG + PITTED MG

SUMMARY:

1) NO DIFFERENCES IN WEED COUNTS WERE OBSERVED ON JULY 15 (67 DAT) BETWEEN THE TREATED AND UNTREATED PLOTS (P > 0.15)

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		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: ZEAMA	_____	_____	_____	_____	_____	_____
	Stage Scale:	V8;40"	_____	_____	_____	_____	_____
	Height, Unit:	_____	_____	_____	_____	_____	_____

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: IPOSP 1-3"	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 2	Stage: PANTE 2-6"	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 3	Stage: CASOB 2-3"	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 4	Stage: AMAPA 3"	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 5	Stage: ACCOS 1-2"	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	TRACTOR	_____	_____	_____	_____	_____	_____
Operating Pressure:	25	_____	_____	_____	_____	_____	_____
Nozzle Type:	TK-VS2	_____	_____	_____	_____	_____	_____
Nozzle Size:	_____	_____	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	36	IN	_____	_____	_____	_____	_____
Nozzles/Row:	1	_____	_____	_____	_____	_____	_____
Band Width, Unit:	36	IN	_____	_____	_____	_____	_____
Boom Length, Unit:	21	FT	_____	_____	_____	_____	_____
Boom Height, Unit:	6	IN	_____	_____	_____	_____	_____
Ground Speed, Unit:	3.6	MPH	_____	_____	_____	_____	_____
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____
Carrier:	WATER	_____	_____	_____	_____	_____	_____
Spray Volume, Unit:	15	GPA	_____	_____	_____	_____	_____
Spray pH:	_____	_____	_____	_____	_____	_____	_____
Propellant:	PUMP	_____	_____	_____	_____	_____	_____
Tank Mix (Y/N):	-	-	-	-	-	-	-

Trt No	Treatment Application Comment
_____	_____

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Trial ID: CN-11-19		Study Dir.: SETH MCALLISTER/TIM MCPHERSON				
Location: TERRELL COUNTY		Investigator: Eric P. Prostko				
Weed Code	IPOSP	ACCOS	AMAPA	AGRASS	CASOB	TOTAL WEEDS
Crop Code	-----	-----	-----	-----	-----	-----
Rating Unit	#/250'	#/250'	#/250'	#/250'	#/250'	#/250'
Rating Date	Jul-15-19	Jul-15-19	Jul-15-19	Jul-15-19	Jul-15-19	Jul-15-19
Trt-Eval Interval	67 DA-A	67 DA-A	67 DA-A	67 DA-A	67 DA-A	67 DA-A
PRM Data Type						T1
# Subsamples, Dec.						- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code
1	2	3	4	5	6	
1	NTC					
2	ROUNDUP POWERMAX II TRICOR	5.5 SL 4 L		32.0 oz/a 5.0 oz/a	LAYBY A LAYBY A	
	LSD P=.10	10.53	17.76	4.46	34.15	3.51
	Standard Deviation	4.42	7.45	1.87	14.32	1.47
	CV	46.48	114.61	140.31	165.27	110.4
	Grand Mean	9.50	6.50	1.33	8.67	1.33
	Bartlett's X2	0.426	0.137	3.753	0.00	0.00
	P(Bartlett's X2)	0.514	0.711	0.053	.	.

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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Randomized Complete Block (RCB) AOV For IPOSP ----- #/250' Jul-15-19 67 DA-A (Data Column 1)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	5	89.500000			
Replicate	2	13.000000	6.500000	0.333	0.7500
Treatment	1	37.500000	37.500000	1.923	0.2999
Error	2	39.000000	19.500000		

Randomized Complete Block (RCB) AOV For ACCOS ----- #/250' Jul-15-19 67 DA-A (Data Column 2)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	5	167.500000			
Replicate	2	43.000000	21.500000	0.387	0.7208
Treatment	1	13.500000	13.500000	0.243	0.6707
Error	2	111.000000	55.500000		

Randomized Complete Block (RCB) AOV For AMAPA ----- #/250' Jul-15-19 67 DA-A (Data Column 3)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	5	27.333333			
Replicate	2	14.333333	7.166667	2.048	0.3281
Treatment	1	6.000000	6.000000	1.714	0.3206
Error	2	7.000000	3.500000		

Randomized Complete Block (RCB) AOV For AGRASS ----- #/250' Jul-15-19 67 DA-A (Data Column 4)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	5	1173.333333			
Replicate	2	410.333333	205.166667	1.000	0.5000
Treatment	1	352.666667	352.666667	1.719	0.3201
Error	2	410.333333	205.166667		

Randomized Complete Block (RCB) AOV For CASOB ----- #/250' Jul-15-19 67 DA-A (Data Column 5)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	5	19.333333			
Replicate	2	4.333333	2.166667	1.000	0.5000
Treatment	1	10.666667	10.666667	4.923	0.1567
Error	2	4.333333	2.166667		

Randomized Complete Block (RCB) AOV For TOTAL WEEDS #/250' Jul-15-19 67 DA-A T1 0 (Data Column 6)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	5	1765.333333			
Replicate	2	430.333333	215.166667	0.530	0.6537
Treatment	1	522.666667	522.666667	1.287	0.3743
Error	2	812.333333	406.166667		

Weed Code
 ACCOS = COPPERLEAF, HOPHORNBEAM / ACALYPHA OSTRYAEOFOLIA (□ OSTRYIFOLIA) RIDDELL
 AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
 CASOB = SICKLEPOD / CASSIA OBTUSIFOLIA L.
PRM Data Type
 T1 = [1]+[2]+[3]+[4]+[5]

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Weed Code	IPOSP	ACCOS	AMAPA	AGRASS	CASOB
Crop Code	-----	-----	-----	-----	-----
Rating Unit	#/250'	#/250'	#/250'	#/250'	#/250'
Rating Date	Jul-15-19	Jul-15-19	Jul-15-19	Jul-15-19	Jul-15-19
Trt-Eval Interval	67 DA-A	67 DA-A	67 DA-A	67 DA-A	67 DA-A
PRM Data Type					
# Subsamples, Dec.					
Trt Treatment	Form	Form	Rate	Grow	Appl
No. Name	Conc	Type	Rate	Unit	Stg
					Code Plot
					1
					2
					3
					4
					5
1 NTC					101
					17.0
					202
					9.0
					301
					10.0
					Mean =
					12.0
2 ROUNDUP POWERMAX II	5.5 SL	32.0 oz/a	LAYBY A		102
TRICOR	4 L	5.0 oz/a	LAYBY A		201
					5.0
					302
					10.0
					11.0
					0.0
					1.0
					1.0
					Mean =
					7.0
					5.0
					2.3
					1.0
					2.7

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