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XTEND SOYBEAN WEED CONTROL SYSTEMS

Trial ID: SB-05-16 Study Dir.: MARK BRAXTON (2016-01-B7-02)
Location: PONDER FARM Investigator: SCOTT A NOLTE

Reps: 4 Plots: 5 by 25 feet
Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.71693 liters calculated mix size)

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	AG54X6		RR2X	140000					101	204	304	402
	UNTREATED CHECK	0	ND									
2	AG54X6		RR2X	140000					102	203	301	403
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	2.247 g/mx				
	MON 76981	3	SL	64.0	oz/a	POST	B	49.99 ml/mx				
3	AG54X6		RR2X	140000					103	202	302	404
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A	39.06 ml/mx				
	MON 76980	2.92	SL	22.0	oz/a	PRE	A	17.19 ml/mx				
	MON 76981	3	SL	64.0	oz/a	POST	B	49.99 ml/mx				
4	AG54X6		RR2X	140000					104	201	303	401
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	3.745 g/mx				
	WARRANT	3	CS	48.0	oz/a	PRE	A	37.5 ml/mx				
	MON 76980	2.92	SL	22.0	oz/a	PRE	A	17.19 ml/mx				
	MON 76981	3	SL	64.0	oz/a	POST	B	49.99 ml/mx				
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B	39.06 ml/mx				
5	AG5535		RR2Y	140000					105	206	308	407
	UNTREATED CHECK	0	ND									
6	AG5535		RR2Y	140000					106	207	307	408
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	2.247 g/mx				
	WARRANT	3	CS	48.0	oz/a	PRE	A	37.5 ml/mx				
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
	WARRANT	3	CS	48.0	oz/a	POST	B	37.5 ml/mx				
7	AG5535		RR2Y	140000					107	208	306	405
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	2.247 g/mx				
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	3.745 g/mx				
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B	39.06 ml/mx				
8	AG5535		RR2Y	140000					108	205	305	406
	WARRANT	3	CS	48.0	oz/a	PRE	A	37.5 ml/mx				
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	2.247 g/mx				
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	3.745 g/mx				
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B	25.0 ml/mx				
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B	39.06 ml/mx				
9	CZ5515LL		LL	140000					109	210	312	411
	UNTREATED CHECK	0	ND									
10	CZ5515LL		LL	140000					110	211	311	412
	PREFIX	5.29	EC	32.0	oz/a	PRE	A	25.0 ml/mx				
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	22.65 ml/mx				
11	CZ5515LL		LL	140000					111	212	310	409
	PREFIX	5.29	EC	32.0	oz/a	PRE	A	25.0 ml/mx				
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	3.745 g/mx				
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	22.65 ml/mx				
12	CZ5515LL		LL	140000					112	209	309	410
	FIERCE	76	WG	3.0	oz/a	PRE	A	2.247 g/mx				
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	22.65 ml/mx				
	DUAL MAGNUM	7.62	EC	6.0	oz/a	POST	B	4.687 ml/mx				

Sort Order: Treatment

Trial Comments

NOZZLE TYPES:

PRE = AIXR 11002
POST DICAMBA = TTI02
POST LIBERTY = 11002DG

MON76981 = DGA-DICAMBA + GLYPHOSATE

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MON76980 = DGA-DICAMBA

ROWEL FX = FLUMIOXAZIN (30%) + CHLORIMURON (10.3%)
PREFIX = S-METOLACHLOR (4.34 LB/GAL) + FOMESAFEN (0.95 LB/GAL)
FIERCE = FLUMIOXAZIN (33.5%) + PYROXASULFONE (42.5%)

CROP INJURY RATINGS ON JUNE 30 = COMBINATION OF STUNTING AND LEAF ROLL/CUPPING.

JULY 27 AND AUGUST 22, 2016 RATINGS: SOYBEAN INJURY = GROWTH REGULATOR INJURY (LEAF CUPPING, ETC.); SCALE = 1-4; 1 = NONE 4 = SEVERE.

YIELDS ADJUSTED TO 13.0%

SUMMARY:

1) ANNUAL GRASS AND PALMER AMARANTH CONTROL WAS EXCELLENT (97+%) WITH ALL WEED CONTROL SYSTEMS (CONVENTIONAL OR XTEND OR LIBERTY-LINK).

2) DICAMBA INJURY SYMPTOMS WERE OBSERVED ON THE CONVENTIONAL AND LIBERTY-LINK VARIETIES.

2) ALL WEED CONTROL SYSTEMS RESULTED IN HIGHER SOYBEAN YIELDS THAN THE NTC. A FEW TREATMENT EFFECTS ON YIELD WERE OBSERVED.

3) AVERAGE SOYBEAN YIELDS FOR EACH SYSTEM WERE AS FOLLOWS:

CONVENTIONAL = 25 BU/A
XTEND = 28 BU/A
LIBERTY-LINK = 30 BU/A

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XTEND SOYBEAN WEED CONTROL SYSTEMS

Trial ID: SB-05-16 Study Dir.: MARK BRAXTON (2016-01-B7-02)
Location: PONDER FARM Investigator: SCOTT A NOLTE

GENERAL TRIAL INFORMATION

Study Director: MARK BRAXTON (2016-01-B7-02) **Title:** _____
Affiliation: _____ **Postal Code:** _____

Investigator: SCOTT A NOLTE **Title:** _____
Affiliation: _____ **Postal Code:** _____

Trial Status: I **Initiation Date:** _____ **Country:** USA
City: _____ **State/Prov.:** _____ **Postal Code:** _____
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

Objective: Show competitive advantages of Xtend and RR+ over LL

Conclusions:

CROP AND PEST DESCRIPTION

Weed 1. AMAPA PALMER AMARANTH **2.** AGRASS TX MILLET/CRAB.CROW/GOOSE

Crop 1: GLYMA SOYBEAN **Variety:** SEVERAL **Planting Date:** May-24-16
Planting Method: MONOSEM **Rate:** 127000 SEED/A **Depth:** 1.5 IN
Perennial Age: ____ _____ **Row Spacing:** 30 IN **Seed Bed:** _____
Soil Temperature: ____ _ **Soil Moisture:** DRY **Emergence Date:** _____

Plot Width, Unit: 5 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOBL
Trial Initiation Comments: _____

Previous: Crops **Pesticides** **Year**
1. _____ _____ ____

MAINTENANCE

Field Prep./Maintenance: _____

No.	Date	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Unit
1.	_____	_____	____			_____	___ _____ _____

SOIL DESCRIPTION

Texture: _____ **% OM:** ____ **% Sand:** ____ **% Silt:** ____ **% Clay:** ____
pH: ____ **CEC:** ____ **Soil Name:** _____ **Fertility Level:** _____

MOISTURE CONDITIONS

On:	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-25-16	_____	0.5	IN	SPRINKLER - CENTER PIVOT	_____	___
2.	May-31-16	_____	0.35	IN	SPRINKLER - CENTER PIVOT	_____	___
3.	Jun-2-16	_____	0.35	IN	SPRINKLER - CENTER PIVOT	_____	___
4.	_____	_____	_____	__	_____	_____	___

Overall Moisture Conditions: _____
Closest Weather Station: _____ **Distance:** _____ **Unit:** __

APPLICATION DESCRIPTION

	A		B		C	D	E	F
Application Date:	May-25-16		Jun-14-16		_____	_____	_____	_____
Time of Day:	7:30 AM		8:30 AM		_____	_____	_____	_____
Application Method:	BROADCAST		BROADCAST		_____	_____	_____	_____
Application Timing:	PRE		POST		_____	_____	_____	_____
Applic. Placement:	SOIL		FOLIAGE		_____	_____	_____	_____
Air Temp., Unit:	68	F	83	F	____ _	____ _	____ _	____ _
% Relative Humidity:	72		75		_____	_____	_____	_____
Wind Velocity, Unit:	3	MPH	3	MPH	____ ____	____ ____	____ ____	____ ____
Dew Presence (Y/N):	N		N		_	_	_	_
Water Hardness:	--		--		_____	_____	_____	_____
Soil Temp., Unit:	72	F	84	F	____ _	____ _	____ _	____ _
Soil Moisture:	DRY		DRY		_____	_____	_____	_____
% Cloud Cover:	0		10		_____	_____	_____	_____

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage: GLYMA	_____	_____	_____	_____	_____	_____
Stage Scale:	_____	V4-V5	_____	_____	_____	_____
Height, Unit:	____ ____	9 IN	____ ____	____ ____	____ ____	____ ____

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WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1 Stage: AMAPA		NONE UP				
Stage Scale:						
Density, Unit:						
Weed 2 Stage: AGRASS		2-3"				
Stage Scale:						
Density, Unit:						

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK				
Operating Pressure:	38	38				
Nozzle Type:	AIXR	TTI/DG				
Nozzle Size:	11002	02/11002				
Nozzle Spacing, Unit:	20	IN 20 IN				
Nozzles/Row:						
Band Width, Unit:						
Boom Length, Unit:	60	IN 60 IN				
Boom Height, Unit:	20	IN 20 IN				
Ground Speed, Unit:	3.5	MPH 3.5 MPH				
Incorporation Equip.:						
Hours to Incorp.:						
Incorp. Depth, Unit:						
Carrier:	WATER	WATER				
Spray Volume, Unit:	15	GPA 15 GPA				
Spray pH:						
Propellant:	CO2	CO2				
Tank Mix (Y/N):	_	_	_	_	_	_

Trt No	Treatment Application Comment

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XTEND SOYBEAN WEED CONTROL SYSTEMS

Trial ID: SB-05-16 Study Dir.: MARK BRAXTON (2016-01-B7-02)
Location: PONDER FARM Investigator: SCOTT A NOLTE

Weed Code									-----	AMAPA	-----	AMAPA	AGRASS	-----
Crop Code									GLYMA	-----	GLYMA	-----	-----	GLYMA
Part Rated									PLANT -		PLANT -			PLANT -
Rating Data Type									STUNTING	CONTROL	STUNTING	CONTROL	CONTROL	INJURY
Rating Unit									PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									Jun-1-16	Jun-1-16	Jun-14-16	Jun-14-16	Jun-14-16	Jun-30-16
PRM Data Type														
# Subsamples, Dec.														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code		1	2	3	4	5	6
1	AG54X6		RR2X	140000					0.0 c	0.0 b	0.0 c	0.0 b	0.0 c	0.0 d
	UNTREATED CHECK	0	ND											
2	AG54X6		RR2X	140000					0.0 c	99.0 a	3.8 bc	99.0 a	97.0 ab	0.0 d
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A							
	MON 76981	3	SL	64.0	oz/a	POST	B							
3	AG54X6		RR2X	140000					0.0 c	99.0 a	1.3 c	99.0 a	97.0 ab	0.0 d
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A							
	MON 76980	2.92	SL	22.0	oz/a	PRE	A							
	MON 76981	3	SL	64.0	oz/a	POST	B							
4	AG54X6		RR2X	140000					0.0 c	99.0 a	1.3 c	99.0 a	99.0 a	5.0 d
	TRICOR DF	75	DF	5.0	oz/a	PRE	A							
	WARRANT	3	CS	48.0	oz/a	PRE	A							
	MON 76980	2.92	SL	22.0	oz/a	PRE	A							
	MON 76981	3	SL	64.0	oz/a	POST	B							
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B							
5	AG5535		RR2Y	140000					0.0 c	0.0 b	0.0 c	0.0 b	0.0 c	0.0 d
	UNTREATED CHECK	0	ND											
6	AG5535		RR2Y	140000					2.5 bc	99.0 a	11.3 a	99.0 a	96.8 b	30.0 a
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A							
	WARRANT	3	CS	48.0	oz/a	PRE	A							
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B							
	WARRANT	3	CS	48.0	oz/a	POST	B							
7	AG5535		RR2Y	140000					0.0 c	99.0 a	7.5 ab	99.0 a	99.0 a	17.5 bc
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A							
	TRICOR DF	75	DF	5.0	oz/a	PRE	A							
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B							
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B							
8	AG5535		RR2Y	140000					0.0 c	99.0 a	11.3 a	99.0 a	99.0 a	31.3 a
	WARRANT	3	CS	48.0	oz/a	PRE	A							
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A							
	TRICOR DF	75	DF	5.0	oz/a	PRE	A							
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B							
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B							
9	CZ5515LL		LL	140000					0.0 c	0.0 b	0.0 c	0.0 b	0.0 c	0.0 d
	UNTREATED CHECK	0	ND											
10	CZ5515LL		LL	140000					7.5 a	99.0 a	0.0 c	99.0 a	99.0 a	21.3 bc
	PREFIX	5.29	EC	32.0	oz/a	PRE	A							
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B							
11	CZ5515LL		LL	140000					7.5 a	99.0 a	3.8 bc	99.0 a	99.0 a	23.8 ab
	PREFIX	5.29	EC	32.0	oz/a	PRE	A							
	TRICOR DF	75	DF	5.0	oz/a	PRE	A							
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B							

Means followed by same letter or symbol do not significantly differ (P=.10, Duncan's New MRT)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns:Average=14
Could not calculate LSD (% mean diff) for columns 2,4,7,8,10,13,16 because error mean square = 0.

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Weed Code							-----	AMAPA	-----	AMAPA	AGRASS	-----
Crop Code							GLYMA	-----	GLYMA	-----	-----	GLYMA
Part Rated							PLANT -		PLANT -			PLANT -
Rating Data Type							STUNTING	CONTROL	STUNTING	CONTROL	CONTROL	INJURY
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							Jun-1-16	Jun-1-16	Jun-14-16	Jun-14-16	Jun-14-16	Jun-30-16
PRM Data Type												
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
12	CZ5515LL		LL	140000				5.0 ab	99.0 a	2.5 c	99.0 a	99.0 a	15.0 c
	FIERCE	76	WG	3.0	oz/a	PRE	A						
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B						
	DUAL MAGNUM	7.62	EC	6.0	oz/a	POST	B						
LSD P=.10								3.42	.	4.18	.	1.92	7.29
Standard Deviation								2.85	0.00	3.49	0.00	1.61	6.09
CV								152.2	0.0	98.56	0.0	2.18	50.87
Grand Mean								1.88	74.25	3.54	74.25	73.73	11.98
Bartlett's X2								0.094	0.0	5.008	0.0	1.879	7.585
P(Bartlett's X2)								0.993	.	0.659	.	0.391	0.27
Replicate F								2.302	0.000	1.653	0.000	1.000	4.539
Replicate Prob(F)								0.0952	1.0000	0.1961	1.0000	0.4051	0.0090
Treatment F								4.535	0.000	5.860	0.000	3070.215	16.905
Treatment Prob(F)								0.0003	1.0000	0.0001	1.0000	0.0001	0.0001

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Weed Code								AMAPA	AGRASS	-----	AMAPA	AGRASS	-----
Crop Code								-----	-----	GLYMA	-----	-----	GLYMA
Part Rated										INJURY -			INJURY -
Rating Data Type								CONTROL	CONTROL	GR	CONTROL	CONTROL	GR
Rating Unit								PERCENT	PERCENT	1-4	PERCENT	PERCENT	1-4
Rating Date								Jun-30-16	Jun-30-16	Jul-27-16	Jul-27-16	Jul-27-16	Aug-22-16
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	AG54X6		RR2X	140000				0.0 b	0.0 b		0.0 b	0.0 c	
	UNTREATED CHECK	0	ND										
2	AG54X6		RR2X	140000				99.0 a	99.0 a	1.00 c	100.0 a	98.8 b	1.00 b
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A						
	MON 76981	3	SL	64.0	oz/a	POST	B						
3	AG54X6		RR2X	140000				99.0 a	99.0 a	1.00 c	100.0 a	100.0 a	1.00 b
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A						
	MON 76980	2.92	SL	22.0	oz/a	PRE	A						
	MON 76981	3	SL	64.0	oz/a	POST	B						
4	AG54X6		RR2X	140000				99.0 a	99.0 a	1.00 c	100.0 a	100.0 a	1.00 b
	TRICOR DF	75	DF	5.0	oz/a	PRE	A						
	WARRANT	3	CS	48.0	oz/a	PRE	A						
	MON 76980	2.92	SL	22.0	oz/a	PRE	A						
	MON 76981	3	SL	64.0	oz/a	POST	B						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
5	AG5535		RR2Y	140000				0.0 b	0.0 b		0.0 b	0.0 c	
	UNTREATED CHECK	0	ND										
6	AG5535		RR2Y	140000				99.0 a	99.0 a	2.50 ab	100.0 a	100.0 a	2.00 a
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A						
	WARRANT	3	CS	48.0	oz/a	PRE	A						
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B						
	WARRANT	3	CS	48.0	oz/a	POST	B						
7	AG5535		RR2Y	140000				99.0 a	99.0 a	2.50 ab	100.0 a	100.0 a	2.00 a
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A						
	TRICOR DF	75	DF	5.0	oz/a	PRE	A						
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
8	AG5535		RR2Y	140000				99.0 a	99.0 a	2.38 ab	100.0 a	100.0 a	1.63 ab
	WARRANT	3	CS	48.0	oz/a	PRE	A						
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A						
	TRICOR DF	75	DF	5.0	oz/a	PRE	A						
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
9	CZ5515LL		LL	140000				0.0 b	0.0 b		0.0 b	0.0 c	
	UNTREATED CHECK	0	ND										
10	CZ5515LL		LL	140000				99.0 a	99.0 a	2.63 ab	100.0 a	100.0 a	1.50 ab
	PREFIX	5.29	EC	32.0	oz/a	PRE	A						
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B						
11	CZ5515LL		LL	140000				99.0 a	99.0 a	2.75 a	100.0 a	100.0 a	1.38 ab
	PREFIX	5.29	EC	32.0	oz/a	PRE	A						
	TRICOR DF	75	DF	5.0	oz/a	PRE	A						
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B						

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Weed Code							AMAPA	AGRASS	-----	AMAPA	AGRASS	-----
Crop Code							-----	-----	GLYMA	-----	-----	GLYMA
Part Rated									INJURY -			INJURY -
Rating Data Type							CONTROL	CONTROL	GR	CONTROL	CONTROL	GR
Rating Unit							PERCENT	PERCENT	1-4	PERCENT	PERCENT	1-4
Rating Date							Jun-30-16	Jun-30-16	Jul-27-16	Jul-27-16	Jul-27-16	Aug-22-16
PRM Data Type												
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
12	CZ5515LL		LL	140000				99.0 a	99.0 a	2.25 b	100.0 a	100.0 a	1.13 b
	FIERCE	76	WG	3.0	oz/a	PRE	A						
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B						
	DUAL MAGNUM	7.62	EC	6.0	oz/a	POST	B						
LSD P=.10								.	.	0.419	.	0.86	0.564
Standard Deviation								0.00	0.00	0.346	0.00	0.72	0.466
CV								0.0	0.0	17.31	0.0	0.96	33.21
Grand Mean								74.25	74.25	2.000	75.00	74.90	1.403
Bartlett's X2								0.0	0.0	5.102	0.0	0.0	6.492
P(Bartlett's X2)								.	.	0.404	.	.	0.261
Replicate F								0.000	0.000	2.783	0.000	1.000	1.312
Replicate Prob(F)								1.0000	1.0000	0.0627	1.0000	0.4051	0.2935
Treatment F								0.000	0.000	19.435	0.000	15666.456	3.080
Treatment Prob(F)								1.0000	1.0000	0.0001	1.0000	0.0001	0.0155

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	13	14	15	16	17
	Weed Code							AMAPA	AGRASS	-----	-----	-----
	Crop Code							-----	-----	GLYMA	GLYMA	GLYMA
	Part Rated									PLOT -	PLOT -	PLOT -
	Rating Data Type							CONTROL	CONTROL	YIELD	MOISTURE	YIELD
	Rating Unit							PERCENT	PERCENT	LBS/PLOT	PERCENT	BU/A
	Rating Date							Aug-22-16	Aug-22-16	Oct-11-16	Oct-11-16	Oct-11-16
	PRM Data Type											TY1
	# Subsamples, Dec.									- 1	- 1	- 0
1	AG54X6		RR2X	140000				0.0 b	0.0 c	0.0 e	11.4 a	0 e
	UNTREATED CHECK	0	ND									
2	AG54X6		RR2X	140000				100.0 a	97.0 b	4.9 a-d	11.4 a	27 a-d
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A					
	MON 76981	3	SL	64.0	oz/a	POST	B					
3	AG54X6		RR2X	140000				100.0 a	99.0 a	5.1 abc	11.4 a	28 abc
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A					
	MON 76980	2.92	SL	22.0	oz/a	PRE	A					
	MON 76981	3	SL	64.0	oz/a	POST	B					
4	AG54X6		RR2X	140000				100.0 a	99.0 a	5.1 abc	11.4 a	29 abc
	TRICOR DF	75	DF	5.0	oz/a	PRE	A					
	WARRANT	3	CS	48.0	oz/a	PRE	A					
	MON 76980	2.92	SL	22.0	oz/a	PRE	A					
	MON 76981	3	SL	64.0	oz/a	POST	B					
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B					
5	AG5535		RR2Y	140000				0.0 b	0.0 c	0.0 e	10.6 b	0 e
	UNTREATED CHECK	0	ND									
6	AG5535		RR2Y	140000				100.0 a	99.0 a	4.6 bcd	10.6 b	26 bcd
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A					
	WARRANT	3	CS	48.0	oz/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B					
	WARRANT	3	CS	48.0	oz/a	POST	B					
7	AG5535		RR2Y	140000				100.0 a	98.0 ab	4.4 cd	10.6 b	25 cd
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A					
	TRICOR DF	75	DF	5.0	oz/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B					
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B					
8	AG5535		RR2Y	140000				100.0 a	98.0 ab	4.2 d	10.6 b	24 d
	WARRANT	3	CS	48.0	oz/a	PRE	A					
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A					
	TRICOR DF	75	DF	5.0	oz/a	PRE	A					
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B					
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B					
9	CZ5515LL		LL	140000				0.0 b	0.0 c	0.0 e	10.5 c	0 e
	UNTREATED CHECK	0	ND									
10	CZ5515LL		LL	140000				100.0 a	98.0 ab	5.3 ab	10.5 c	30 ab
	PREFIX	5.29	EC	32.0	oz/a	PRE	A					
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B					
11	CZ5515LL		LL	140000				100.0 a	98.0 ab	5.2 abc	10.5 c	29 abc
	PREFIX	5.29	EC	32.0	oz/a	PRE	A					
	TRICOR DF	75	DF	5.0	oz/a	PRE	A					
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B					

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Weed Code								AMAPA	AGRASS	-----	-----	-----
Crop Code								-----	-----	GLYMA	GLYMA	GLYMA
Part Rated										PLOT -	PLOT -	PLOT -
Rating Data Type								CONTROL	CONTROL	YIELD	MOISTURE	YIELD
Rating Unit								PERCENT	PERCENT	LBS/PLOT	PERCENT	BU/A
Rating Date								Aug-22-16	Aug-22-16	Oct-11-16	Oct-11-16	Oct-11-16
PRM Data Type												TY1
# Subsamples, Dec.										- 1	- 1	- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	13	14	15	16	17
12	CZ5515LL		LL	140000				100.0 a	98.0 ab	5.6 a	10.5 c	31 a
	FIERCE	76	WG	3.0	oz/a	PRE	A					
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B					
	DUAL MAGNUM	7.62	EC	6.0	oz/a	POST	B					
LSD P=.10								.	1.55	0.71	.	4.0
Standard Deviation								0.00	1.30	0.60	0.00	3.3
CV								0.0	1.76	16.19	0.0	16.19
Grand Mean								75.00	73.67	3.68	10.83	20.7
Bartlett's X2								0.0	0.105	11.294	0.0	11.294
P(Bartlett's X2)								.	1.00	0.186	.	0.186
Replicate F								0.000	4.439	7.952	0.000	7.952
Replicate Prob(F)								1.0000	0.0102	0.0004	1.0000	0.0004
Treatment F								0.000	4707.452	57.134	0.000	57.134
Treatment Prob(F)								1.0000	0.0001	0.0001	1.0000	0.0001

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XTEND SOYBEAN WEED CONTROL SYSTEMS

Trial ID: SB-05-16 Study Dir.: MARK BRAXTON (2016-01-B7-02)
Location: PONDER FARM Investigator: SCOTT A NOLTE

Weed Code
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
Part Rated
PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
PRM Data Type
TY1 = 5.607724*[15]

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XTEND SOYBEAN WEED CONTROL SYSTEMS

Trial ID: SB-05-16 Study Dir.: MARK BRAXTON (2016-01-B7-02)
Location: PONDER FARM Investigator: SCOTT A NOLTE

Weed Code									-----	AMAPA	-----	AMAPA	AGRASS
Crop Code									GLYMA	-----	GLYMA	-----	-----
Part Rated									PLANT -		PLANT -		
Rating Data Type									STUNTING	CONTROL	STUNTING	CONTROL	CONTROL
Rating Unit									PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date									Jun-1-16	Jun-1-16	Jun-14-16	Jun-14-16	Jun-14-16
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5
1	AG54X6		RR2X	140000				101	0.0	0.0	0.0	0.0	0.0
	UNTREATED CHECK	0	ND					204	0.0	0.0	0.0	0.0	0.0
								304	0.0	0.0	0.0	0.0	0.0
								402	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
2	AG54X6		RR2X	140000				102	0.0	99.0	0.0	99.0	95.0
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	203	0.0	99.0	5.0	99.0	99.0
	MON 76981	3	SL	64.0	oz/a	POST	B	301	0.0	99.0	10.0	99.0	95.0
								403	0.0	99.0	0.0	99.0	99.0
								Mean =	0.0	99.0	3.8	99.0	97.0
3	AG54X6		RR2X	140000				103	0.0	99.0	0.0	99.0	95.0
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A	202	0.0	99.0	0.0	99.0	95.0
	MON 76980	2.92	SL	22.0	oz/a	PRE	A	302	0.0	99.0	0.0	99.0	99.0
	MON 76981	3	SL	64.0	oz/a	POST	B	404	0.0	99.0	5.0	99.0	99.0
								Mean =	0.0	99.0	1.3	99.0	97.0
4	AG54X6		RR2X	140000				104	0.0	99.0	0.0	99.0	99.0
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	201	0.0	99.0	0.0	99.0	99.0
	WARRANT	3	CS	48.0	oz/a	PRE	A	303	0.0	99.0	5.0	99.0	99.0
	MON 76980	2.92	SL	22.0	oz/a	PRE	A	401	0.0	99.0	0.0	99.0	99.0
	MON 76981	3	SL	64.0	oz/a	POST	B						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
								Mean =	0.0	99.0	1.3	99.0	99.0
5	AG5535		RR2Y	140000				105	0.0	0.0	0.0	0.0	0.0
	UNTREATED CHECK	0	ND					206	0.0	0.0	0.0	0.0	0.0
								308	0.0	0.0	0.0	0.0	0.0
								407	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
6	AG5535		RR2Y	140000				106	0.0	99.0	10.0	99.0	99.0
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	207	0.0	99.0	15.0	99.0	99.0
	WARRANT	3	CS	48.0	oz/a	PRE	A	307	0.0	99.0	10.0	99.0	90.0
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B	408	10.0	99.0	10.0	99.0	99.0
	WARRANT	3	CS	48.0	oz/a	POST	B						
								Mean =	2.5	99.0	11.3	99.0	96.8
7	AG5535		RR2Y	140000				107	0.0	99.0	10.0	99.0	99.0
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	208	0.0	99.0	10.0	99.0	99.0
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	306	0.0	99.0	10.0	99.0	99.0
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B	405	0.0	99.0	0.0	99.0	99.0
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
								Mean =	0.0	99.0	7.5	99.0	99.0
8	AG5535		RR2Y	140000				108	0.0	99.0	10.0	99.0	99.0
	WARRANT	3	CS	48.0	oz/a	PRE	A	205	0.0	99.0	20.0	99.0	99.0
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	305	0.0	99.0	5.0	99.0	99.0
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	406	0.0	99.0	10.0	99.0	99.0
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
								Mean =	0.0	99.0	11.3	99.0	99.0
9	CZ5515LL		LL	140000				109	0.0	0.0	0.0	0.0	0.0
	UNTREATED CHECK	0	ND					210	0.0	0.0	0.0	0.0	0.0
								312	0.0	0.0	0.0	0.0	0.0
								411	0.0	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0	0.0
10	CZ5515LL		LL	140000				110	10.0	99.0	0.0	99.0	99.0
	PREFIX	5.29	EC	32.0	oz/a	PRE	A	211	10.0	99.0	0.0	99.0	99.0
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	311	0.0	99.0	0.0	99.0	99.0
								412	10.0	99.0	0.0	99.0	99.0
								Mean =	7.5	99.0	0.0	99.0	99.0

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Weed Code								-----	AMAPA	-----	AMAPA	AGRASS
Crop Code								GLYMA	-----	GLYMA	-----	-----
Part Rated								PLANT -		PLANT -		
Rating Data Type								STUNTING	CONTROL	STUNTING	CONTROL	CONTROL
Rating Unit								PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date								Jun-1-16	Jun-1-16	Jun-14-16	Jun-14-16	Jun-14-16
PRM Data Type												
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5
11	CZ5515LL		LL	140000				111	10.0	99.0	5.0	99.0	99.0
	PREFIX	5.29	EC	32.0	oz/a	PRE	A	212	10.0	99.0	0.0	99.0	99.0
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	310	0.0	99.0	10.0	99.0	99.0
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	409	10.0	99.0	0.0	99.0	99.0
								Mean =	7.5	99.0	3.8	99.0	99.0
12	CZ5515LL		LL	140000				112	10.0	99.0	0.0	99.0	99.0
	FIERCE	76	WG	3.0	oz/a	PRE	A	209	10.0	99.0	0.0	99.0	99.0
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	309	0.0	99.0	10.0	99.0	99.0
	DUAL MAGNUM	7.62	EC	6.0	oz/a	POST	B	410	0.0	99.0	0.0	99.0	99.0
								Mean =	5.0	99.0	2.5	99.0	99.0

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10
	Weed Code								-----	AMAPA	AGRASS	-----	AMAPA
	Crop Code								GLYMA	-----	-----	GLYMA	-----
	Part Rated								PLANT -			INJURY -	
	Rating Data Type								INJURY	CONTROL	CONTROL	GR	CONTROL
	Rating Unit								PERCENT	PERCENT	PERCENT	1-4	PERCENT
	Rating Date								Jun-30-16	Jun-30-16	Jun-30-16	Jul-27-16	Jul-27-16
	PRM Data Type												
	# Subsamples, Dec.												
1	AG54X6		RR2X	140000				101	0.0	0.0	0.0	.	0.0
	UNTREATED CHECK	0	ND					204	0.0	0.0	0.0	.	0.0
								304	0.0	0.0	0.0	.	0.0
								402	0.0	0.0	0.0	.	0.0
								Mean =	0.0	0.0	0.0	.	0.0
2	AG54X6		RR2X	140000				102	0.0	99.0	99.0	1.00	100.0
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	203	0.0	99.0	99.0	1.00	100.0
	MON 76981	3	SL	64.0	oz/a	POST	B	301	0.0	99.0	99.0	1.00	100.0
								403	0.0	99.0	99.0	1.00	100.0
								Mean =	0.0	99.0	99.0	1.00	100.0
3	AG54X6		RR2X	140000				103	0.0	99.0	99.0	1.00	100.0
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A	202	0.0	99.0	99.0	1.00	100.0
	MON 76980	2.92	SL	22.0	oz/a	PRE	A	302	0.0	99.0	99.0	1.00	100.0
	MON 76981	3	SL	64.0	oz/a	POST	B	404	0.0	99.0	99.0	1.00	100.0
								Mean =	0.0	99.0	99.0	1.00	100.0
4	AG54X6		RR2X	140000				104	5.0	99.0	99.0	1.00	100.0
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	201	0.0	99.0	99.0	1.00	100.0
	WARRANT	3	CS	48.0	oz/a	PRE	A	303	10.0	99.0	99.0	1.00	100.0
	MON 76980	2.92	SL	22.0	oz/a	PRE	A	401	5.0	99.0	99.0	1.00	100.0
	MON 76981	3	SL	64.0	oz/a	POST	B						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
								Mean =	5.0	99.0	99.0	1.00	100.0
5	AG5535		RR2Y	140000				105	0.0	0.0	0.0	.	0.0
	UNTREATED CHECK	0	ND					206	0.0	0.0	0.0	.	0.0
								308	0.0	0.0	0.0	.	0.0
								407	0.0	0.0	0.0	.	0.0
								Mean =	0.0	0.0	0.0	.	0.0
6	AG5535		RR2Y	140000				106	50.0	99.0	99.0	3.00	100.0
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	207	20.0	99.0	99.0	2.00	100.0
	WARRANT	3	CS	48.0	oz/a	PRE	A	307	30.0	99.0	99.0	3.00	100.0
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B	408	20.0	99.0	99.0	2.00	100.0
	WARRANT	3	CS	48.0	oz/a	POST	B						
								Mean =	30.0	99.0	99.0	2.50	100.0
7	AG5535		RR2Y	140000				107	20.0	99.0	99.0	3.00	100.0
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	208	10.0	99.0	99.0	1.50	100.0
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	306	20.0	99.0	99.0	3.00	100.0
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B	405	20.0	99.0	99.0	2.50	100.0
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
								Mean =	17.5	99.0	99.0	2.50	100.0
8	AG5535		RR2Y	140000				108	30.0	99.0	99.0	2.50	100.0
	WARRANT	3	CS	48.0	oz/a	PRE	A	205	30.0	99.0	99.0	2.50	100.0
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	305	40.0	99.0	99.0	2.50	100.0
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	406	25.0	99.0	99.0	2.00	100.0
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
								Mean =	31.3	99.0	99.0	2.38	100.0
9	CZ5515LL		LL	140000				109	0.0	0.0	0.0	.	0.0
	UNTREATED CHECK	0	ND					210	0.0	0.0	0.0	.	0.0
								312	0.0	0.0	0.0	.	0.0
								411	0.0	0.0	0.0	.	0.0
								Mean =	0.0	0.0	0.0	.	0.0
10	CZ5515LL		LL	140000				110	35.0	99.0	99.0	3.00	100.0
	PREFIX	5.29	EC	32.0	oz/a	PRE	A	211	15.0	99.0	99.0	2.50	100.0
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	311	30.0	99.0	99.0	3.00	100.0
								412	5.0	99.0	99.0	2.00	100.0
								Mean =	21.3	99.0	99.0	2.63	100.0

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Weed Code								-----	AMAPA	AGRASS	-----	AMAPA
Crop Code								GLYMA	-----	-----	GLYMA	-----
Part Rated								PLANT -			INJURY -	
Rating Data Type								INJURY	CONTROL	CONTROL	GR	CONTROL
Rating Unit								PERCENT	PERCENT	PERCENT	1-4	PERCENT
Rating Date								Jun-30-16	Jun-30-16	Jun-30-16	Jul-27-16	Jul-27-16
PRM Data Type												
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10
11	CZ5515LL		LL	140000				111	30.0	99.0	99.0	3.00	100.0
	PREFIX	5.29	EC	32.0	oz/a	PRE	A	212	20.0	99.0	99.0	2.50	100.0
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	310	30.0	99.0	99.0	3.00	100.0
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	409	15.0	99.0	99.0	2.50	100.0
								Mean =	23.8	99.0	99.0	2.75	100.0
12	CZ5515LL		LL	140000				112	10.0	99.0	99.0	2.00	100.0
	FIERCE	76	WG	3.0	oz/a	PRE	A	209	15.0	99.0	99.0	2.50	100.0
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	309	25.0	99.0	99.0	2.00	100.0
	DUAL MAGNUM	7.62	EC	6.0	oz/a	POST	B	410	10.0	99.0	99.0	2.50	100.0
								Mean =	15.0	99.0	99.0	2.25	100.0

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	11	12	13	14	15
	Weed Code								AGRASS	-----	AMAPA	AGRASS	-----
	Crop Code								-----	GLYMA	-----	-----	GLYMA
	Part Rated									INJURY -			PLOT -
	Rating Data Type								CONTROL	GR	CONTROL	CONTROL	YIELD
	Rating Unit								PERCENT	1-4	PERCENT	PERCENT	LBS/PLOT
	Rating Date								Jul-27-16	Aug-22-16	Aug-22-16	Aug-22-16	Oct-11-16
	PRM Data Type												
	# Subsamples, Dec.												- 1
1	AG54X6		RR2X	140000				101	0.0	.	0.0	0.0	0.0
	UNTREATED CHECK	0	ND					204	0.0	.	0.0	0.0	0.0
								304	0.0	.	0.0	0.0	0.0
								402	0.0	.	0.0	0.0	0.0
								Mean =	0.0	.	0.0	0.0	0.0
2	AG54X6		RR2X	140000				102	95.0	1.00	100.0	95.0	3.2
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	203	100.0	1.00	100.0	99.0	5.8
	MON 76981	3	SL	64.0	oz/a	POST	B	301	100.0	1.00	100.0	95.0	4.6
								403	100.0	1.00	100.0	99.0	5.8
								Mean =	98.8	1.00	100.0	97.0	4.9
3	AG54X6		RR2X	140000				103	100.0	1.00	100.0	99.0	3.7
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A	202	100.0	1.00	100.0	99.0	5.8
	MON 76980	2.92	SL	22.0	oz/a	PRE	A	302	100.0	1.00	100.0	.	4.6
	MON 76981	3	SL	64.0	oz/a	POST	B	404	100.0	1.00	100.0	99.0	6.2
								Mean =	100.0	1.00	100.0	99.0	5.1
4	AG54X6		RR2X	140000				104	100.0	1.00	100.0	99.0	5.0
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	201	100.0	1.00	100.0	99.0	4.7
	WARRANT	3	CS	48.0	oz/a	PRE	A	303	100.0	1.00	100.0	99.0	5.3
	MON 76980	2.92	SL	22.0	oz/a	PRE	A	401	100.0	1.00	100.0	99.0	5.5
	MON 76981	3	SL	64.0	oz/a	POST	B						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
								Mean =	100.0	1.00	100.0	99.0	5.1
5	AG5535		RR2Y	140000				105	0.0	.	0.0	0.0	0.0
	UNTREATED CHECK	0	ND					206	0.0	.	0.0	0.0	0.0
								308	0.0	.	0.0	0.0	0.0
								407	0.0	.	0.0	0.0	0.0
								Mean =	0.0	.	0.0	0.0	0.0
6	AG5535		RR2Y	140000				106	100.0	2.00	100.0	99.0	3.8
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	207	100.0	1.50	100.0	99.0	5.4
	WARRANT	3	CS	48.0	oz/a	PRE	A	307	100.0	3.00	100.0	99.0	4.4
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B	408	100.0	1.50	100.0	99.0	4.6
	WARRANT	3	CS	48.0	oz/a	POST	B						
								Mean =	100.0	2.00	100.0	99.0	4.6
7	AG5535		RR2Y	140000				107	100.0	3.00	100.0	99.0	3.9
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	208	100.0	1.00	100.0	99.0	4.0
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	306	100.0	2.00	100.0	95.0	4.9
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B	405	100.0	2.00	100.0	99.0	4.7
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
								Mean =	100.0	2.00	100.0	98.0	4.4
8	AG5535		RR2Y	140000				108	100.0	2.00	100.0	99.0	4.2
	WARRANT	3	CS	48.0	oz/a	PRE	A	205	100.0	2.00	100.0	99.0	4.7
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A	305	100.0	1.50	100.0	95.0	4.0
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	406	100.0	1.00	100.0	99.0	3.9
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B						
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B						
								Mean =	100.0	1.63	100.0	98.0	4.2
9	CZ5515LL		LL	140000				109	0.0	.	0.0	0.0	0.0
	UNTREATED CHECK	0	ND					210	0.0	.	0.0	0.0	0.0
								312	0.0	.	0.0	0.0	0.0
								411	0.0	.	0.0	0.0	0.0
								Mean =	0.0	.	0.0	0.0	0.0
10	CZ5515LL		LL	140000				110	100.0	1.50	100.0	95.0	3.7
	PREFIX	5.29	EC	32.0	oz/a	PRE	A	211	100.0	1.00	100.0	99.0	6.7
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	311	100.0	2.50	100.0	99.0	4.5
								412	100.0	1.00	100.0	99.0	6.4
								Mean =	100.0	1.50	100.0	98.0	5.3

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Weed Code								AGRASS	-----	AMAPA	AGRASS	-----
Crop Code								-----	GLYMA	-----	-----	GLYMA
Part Rated									INJURY -			PLOT -
Rating Data Type								CONTROL	GR	CONTROL	CONTROL	YIELD
Rating Unit								PERCENT	1-4	PERCENT	PERCENT	LBS/PLOT
Rating Date								Jul-27-16	Aug-22-16	Aug-22-16	Aug-22-16	Oct-11-16
PRM Data Type												
# Subsamples, Dec.												- 1
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	11	12	13	14	15
11	CZ5515LL		LL	140000				111	100.0	1.50	100.0	99.0	4.4
	PREFIX	5.29	EC	32.0	oz/a	PRE	A	212	100.0	1.50	100.0	99.0	5.7
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	310	100.0	1.00	100.0	95.0	4.7
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	409	100.0	1.50	100.0	99.0	5.8
								Mean =	100.0	1.38	100.0	98.0	5.2
12	CZ5515LL		LL	140000				112	100.0	1.00	100.0	99.0	4.9
	FIERCE	76	WG	3.0	oz/a	PRE	A	209	100.0	1.50	100.0	99.0	5.7
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	309	100.0	1.00	100.0	95.0	5.3
	DUAL MAGNUM	7.62	EC	6.0	oz/a	POST	B	410	100.0	1.00	100.0	99.0	6.3
								Mean =	100.0	1.13	100.0	98.0	5.6

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Weed Code										-----	-----
Crop Code										GLYMA	GLYMA
Part Rated										PLOT -	PLOT -
Rating Data Type										MOISTURE	YIELD
Rating Unit										PERCENT	BU/A
Rating Date										Oct-11-16	Oct-11-16
PRM Data Type											TY1
# Subsamples, Dec.										- 1	- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg		Appl Code	Plot	16	17
1	AG54X6		RR2X	140000					101	11.4	0
	UNTREATED CHECK	0	ND						204	11.4	0
									304	11.4	0
									402	11.4	0
									Mean =	11.4	0
2	AG54X6		RR2X	140000					102	11.4	18
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A		203	11.4	33
	MON 76981	3	SL	64.0	oz/a	POST	B		301	11.4	26
									403	11.4	33
									Mean =	11.4	27
3	AG54X6		RR2X	140000					103	11.4	21
	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A		202	11.4	33
	MON 76980	2.92	SL	22.0	oz/a	PRE	A		302	11.4	26
	MON 76981	3	SL	64.0	oz/a	POST	B		404	11.4	35
									Mean =	11.4	28
4	AG54X6		RR2X	140000					104	11.4	28
	TRICOR DF	75	DF	5.0	oz/a	PRE	A		201	11.4	26
	WARRANT	3	CS	48.0	oz/a	PRE	A		303	11.4	30
	MON 76980	2.92	SL	22.0	oz/a	PRE	A		401	11.4	31
	MON 76981	3	SL	64.0	oz/a	POST	B				
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B				
									Mean =	11.4	29
5	AG5535		RR2Y	140000					105	10.6	0
	UNTREATED CHECK	0	ND						206	10.6	0
									308	10.6	0
									407	10.6	0
									Mean =	10.6	0
6	AG5535		RR2Y	140000					106	10.6	21
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A		207	10.6	30
	WARRANT	3	CS	48.0	oz/a	PRE	A		307	10.6	25
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B		408	10.6	26
	WARRANT	3	CS	48.0	oz/a	POST	B				
									Mean =	10.6	26
7	AG5535		RR2Y	140000					107	10.6	22
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A		208	10.6	22
	TRICOR DF	75	DF	5.0	oz/a	PRE	A		306	10.6	27
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B		405	10.6	26
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B				
									Mean =	10.6	25
8	AG5535		RR2Y	140000					108	10.6	24
	WARRANT	3	CS	48.0	oz/a	PRE	A		205	10.6	26
	ROWEL FX	40.3	WG	3.0	oz/a	PRE	A		305	10.6	22
	TRICOR DF	75	DF	5.0	oz/a	PRE	A		406	10.6	22
	ROUNDUP POWERMAX	4.5	SL	32.0	oz/a	POST	B				
	WARRANT ULTRA	3.49	CS	50.0	oz/a	POST	B				
									Mean =	10.6	24
9	CZ5515LL		LL	140000					109	10.5	0
	UNTREATED CHECK	0	ND						210	10.5	0
									312	10.5	0
									411	10.5	0
									Mean =	10.5	0
10	CZ5515LL		LL	140000					110	10.5	21
	PREFIX	5.29	EC	32.0	oz/a	PRE	A		211	10.5	38
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B		311	10.5	25
									412	10.5	36
									Mean =	10.5	30

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Weed Code								-----	-----
Crop Code								GLYMA	GLYMA
Part Rated								PLOT -	PLOT -
Rating Data Type								MOISTURE	YIELD
Rating Unit								PERCENT	BU/A
Rating Date								Oct-11-16	Oct-11-16
PRM Data Type									TY1
# Subsamples, Dec.								- 1	- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot	16	17
11	CZ5515LL		LL	140000				111	10.5	25
	PREFIX	5.29	EC	32.0	oz/a	PRE	A	212	10.5	32
	TRICOR DF	75	DF	5.0	oz/a	PRE	A	310	10.5	26
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	409	10.5	33
								Mean =	10.5	29
12	CZ5515LL		LL	140000				112	10.5	27
	FIERCE	76	WG	3.0	oz/a	PRE	A	209	10.5	32
	LIBERTY 280 SL	2.34	SL	29.0	oz/a	POST	B	309	10.5	30
	DUAL MAGNUM	7.62	EC	6.0	oz/a	POST	B	410	10.5	35
								Mean =	10.5	31

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XTEND SOYBEAN WEED CONTROL SYSTEMS

Trial ID: SB-05-16 Study Dir.: MARK BRAXTON (2016-01-B7-02)
Location: PONDER FARM Investigator: SCOTT A NOLTE

Weed Code
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
Part Rated
PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)
PRM Data Type
TY1 = 5.607724*[15]