

University of Georgia

ACETOCHLOR + DICAMBA FORMULATIONS FOR XTEND SOYBEANS

Trial ID: SB-08A-16 Study Dir.: MARK BRAXTON (2016-01-24-17)
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 25 feet

Spray vol: 15 GAL/AC Mix Size: 1.5 liters (.58658 liters calculated mix size)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3
1	WARRANT	3	ME	48.0	oz/a	PRE	A	37.5 ml/mx	101	213	310
2	MON-76980	2.92	SL	22.0	oz/a	PRE	A	17.19 ml/mx	102	205	307
3	WARRANT	3	ME	48.0	oz/a	PRE	A	37.5 ml/mx	103	212	309
	MON-76980	2.92	SL	22.0	oz/a	PRE	A	17.19 ml/mx			
4	MON-100234	3.74	SC	55.0	oz/a	PRE	A	42.96 ml/mx	104	216	306
5	MON-100235	3.77	SC	55.0	oz/a	PRE	A	42.96 ml/mx	105	204	314
6	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A	39.06 ml/mx	106	207	313
7	WARRANT	3	ME	48.0	oz/a	POST1	B	37.5 ml/mx	107	209	304
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1	B	25.0 ml/mx			
8	MON-76980	2.92	SL	22.0	oz/a	POST1	B	17.19 ml/mx	108	215	305
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1	B	25.0 ml/mx			
9	WARRANT	3	ME	48.0	oz/a	POST1	B	37.5 ml/mx	109	214	312
	MON-76980	2.92	SL	22.0	oz/a	POST1	B	17.19 ml/mx			
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1	B	25.0 ml/mx			
10	MON-100234	3.74	SC	55.0	oz/a	POST1	B	42.96 ml/mx	110	201	308
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1	B	25.0 ml/mx			
11	MON-100235	3.77	SC	55.0	oz/a	POST1	B	42.96 ml/mx	111	210	301
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1	B	25.0 ml/mx			
12	MON-100234	3.74	SC	55.0	oz/a	PRE	A	42.96 ml/mx	112	202	311
	MON-100234	3.74	SC	55.0	oz/a	POST2	C	42.96 ml/mx			
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST2	C	25.0 ml/mx			
13	MON-100235	3.77	SC	55.0	oz/a	PRE	A	42.96 ml/mx	113	208	315
	MON-100235	3.77	SC	55.0	oz/a	POST2	C	42.96 ml/mx			
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST2	C	25.0 ml/mx			
14	ROWEL	51	WG	2.0	oz/a	PRE	A	1.498 g/mx	114	203	316
	MON-100234	3.74	SC	55.0	oz/a	POST2	C	42.96 ml/mx			
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST2	C	25.0 ml/mx			
15	ROWEL	51	WG	2.0	oz/a	PRE	A	1.498 g/mx	115	206	303
	MON-100235	3.77	SC	55.0	oz/a	POST2	C	42.96 ml/mx			
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST2	C	25.0 ml/mx			
16	NTC								116	211	302

Sort Order: Treatment

Trial Comments

MON-76980 = DGA-DICAMBA
 MON-100234 = NA-DICAMBA + ACETOCHLOR
 MON-100235 = NA-DICAMBA + ACETOCHLOR

POST1 APPLICATIONS WERE DELAYED DUE TO TROPICAL STORM COLIN

SUMMARY:

- 1) MON76980 AND MON100234/235 PROVIDED EXCELLENT PRE CONTROL OF PALMER AMARANTH.
- 2) MON100234/235 PROVIDED BETTER CONTROL OF ANNUAL GRASSES THAN MON76980.
- 3) POST1 APPLICATIONS OF MON-76890 AND MON100234/235 TANK-MIXED WITH ROUNDUP CAUSED 15% SOYBEAN LEAF BURN.
- 4) WHEN MON76980 AND MON 100234/235 WHERE TANK-MIXED WITH ROUNDUP AND APPLIED POST1, THERE WAS NO DIFFERENCES IN PALMER AMARANTH AND ANNUAL GRASS CONTROL.
- 5) GENERALLY PRE + POST2 APPLICATION WERE NOT MORE EFFECTIVE THAN POST1 APPLICATIONS.

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ACETOCHLOR + DICAMBA FORMULATIONS FOR XTEND SOYBEANS

Trial ID: SB-08A-16 Study Dir.: MARK BRAXTON (2016-01-24-17)
 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: MARK BRAXTON (2016-01-24-17) **Title:** _____
Affiliation: _____ **Postal Code:** _____
Investigator: Eric P. Prostko **Title:** _____
Affiliation: _____ **Postal Code:** _____
Trial Status: _____ **Initiation Date:** _____ **Country:** _____
City: _____ **State/Prov.:** _____ **Postal Code:** _____
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N
Objective: _____
Conclusions: _____

CROP AND PEST DESCRIPTION

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

Crop 1: GLYMA SOYBEAN **Variety:** AG75X6 **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: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 3

Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOB
Trial Initiation Comments: _____

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

MAINTENANCE

Field Prep./Maintenance: _____

No.	Date	Treatment Name	Form	Form	Form	Rate	Rate	Unit
1.								

SOIL DESCRIPTION

Texture: SAND **% OM:** 0.82 **% Sand:** 96 **% Silt:** 2 **% Clay:** 2
pH: 6.0 **CEC:** 2.9 **Soil Name:** TIFTON **Fertility Level:** GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-25-16		0.5	in	SPRINKLER - LATERAL MOVE		
2. May-31-16		0.35	IN	SPRINKLER - LATERAL MOVE		
3. Jun-2-16		0.35	IN	SPRINKLER - LATERAL MOVE		

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-25-16	Jun-9-16	Jun-22-16			
Time of Day:	7:30 am	7:30 AM	7:30 AM			
Application Method:	BROADCAST	BROADCAST	BROADCAST			
Application Timing:	PRE	POST1	POST2			
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE			
Air Temp., Unit:	68 F	66 F	78 F			
% Relative Humidity:	70	86	61			
Wind Velocity, Unit:	3 mph	3 MPH	3 MPH			
Dew Presence (Y/N):	n	Y	Y			
Water Hardness:	--	--	--			
Soil Temp., Unit:	72 F	70 F	78 F			
Soil Moisture:	dry	WET	OPTIMUM			
% Cloud Cover:	0	20	0			

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage:	GLYMA					
Stage Scale:		V3	V4-V5			
Height, Unit:		6 IN	10 IN			

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		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA	_____	6.7" AVG.	2"	_____	_____	_____
	Stage Scale:	_____	1.5-9.5"	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 2	Stage: AGRASS	_____	NONE	2-4"	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	SAME AS A		SAME AS A	_____	_____	_____
Operating Pressure:	38	_____	_____	_____	_____	_____	_____
Nozzle Type:	TTI	_____	_____	_____	_____	_____	_____
Nozzle Size:	02	_____	_____	_____	_____	_____	_____
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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Trial ID: SB-08A-16 Study Dir.: MARK BRAXTON (2016-01-24-17)
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- GLYMA PLANT - STUNTING PERCENT Jun-1-16	AMAPA ----- CONTROL PERCENT Jun-1-16	----- GLYMA LEAF - BURN PERCENT Jun-16-16	AMAPA ----- CONTROL PERCENT Jun-16-16	AMAPA ----- CONTROL PERCENT Jun-30-16	AGRASS ----- CONTROL PERCENT Jun-30-16
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code		1	2	3	4	5	6
1 WARRANT	3 ME	48.0 oz/a	PRE	A			0.0 a	97.7 a	0.0 b	86.3 b	91.7 b	84.7 a
2 MON-76980	2.92 SL	22.0 oz/a	PRE	A			0.0 a	99.0 a	0.0 b	99.0 a	99.0 a	16.7 b
3 WARRANT	3 ME	48.0 oz/a	PRE	A			0.0 a	99.0 a	0.0 b	99.0 a	99.0 a	93.0 a
MON-76980	2.92 SL	22.0 oz/a	PRE	A								
4 MON-100234	3.74 SC	55.0 oz/a	PRE	A			0.0 a	99.0 a	0.0 b	99.0 a	99.0 a	99.0 a
5 MON-100235	3.77 SC	55.0 oz/a	PRE	A			0.0 a	99.0 a	0.0 b	99.0 a	99.0 a	93.0 a
6 WARRANT ULTRA	3.49 CS	50.0 oz/a	PRE	A			0.0 a	99.0 a	0.0 b	99.0 a	99.0 a	96.0 a
7 WARRANT	3 ME	48.0 oz/a	POST1 B				0.0 a	0.0 b	0.0 b	76.7 c	56.7 c	99.0 a
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST1 B									
8 MON-76980	2.92 SL	22.0 oz/a	POST1 B				0.0 a	0.0 b	15.0 a	93.0 ab	97.7 ab	91.7 a
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST1 B									
9 WARRANT	3 ME	48.0 oz/a	POST1 B				0.0 a	0.0 b	15.0 a	91.7 ab	96.0 ab	99.0 a
MON-76980	2.92 SL	22.0 oz/a	POST1 B									
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST1 B									
10 MON-100234	3.74 SC	55.0 oz/a	POST1 B				0.0 a	0.0 b	15.0 a	91.3 ab	94.7 ab	97.7 a
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST1 B									
11 MON-100235	3.77 SC	55.0 oz/a	POST1 B				0.0 a	0.0 b	15.0 a	91.7 ab	99.0 a	99.0 a
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST1 B									
12 MON-100234	3.74 SC	55.0 oz/a	PRE A				0.0 a	99.0 a	0.0 b	99.0 a	99.0 a	96.0 a
MON-100234	3.74 SC	55.0 oz/a	POST2 C									
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST2 C									
13 MON-100235	3.77 SC	55.0 oz/a	PRE A				0.0 a	99.0 a	0.0 b	99.0 a	99.0 a	99.0 a
MON-100235	3.77 SC	55.0 oz/a	POST2 C									
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST2 C									
14 ROWEL	51 WG	2.0 oz/a	PRE A				0.0 a	97.7 a	0.0 b	99.0 a	97.7 ab	91.3 a
MON-100234	3.74 SC	55.0 oz/a	POST2 C									
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST2 C									
15 ROWEL	51 WG	2.0 oz/a	PRE A				0.0 a	97.7 a	0.0 b	96.3 ab	99.0 a	97.7 a
MON-100235	3.77 SC	55.0 oz/a	POST2 C									
ROUNDUP P-MAX	5.5 SL	32.0 oz/a	POST2 C									
16 NTC							0.0 a	0.0 b	0.0 b	0.0 d	0.0 d	0.0 c
LSD P=.10							.	1.29	.	9.56	6.08	12.19
Standard Deviation							0.00	0.93	0.00	6.90	4.39	8.80
CV							0.0	1.51	0.0	7.77	4.93	10.41
Grand Mean							0.00	61.63	3.75	88.69	89.08	84.54
Bartlett's X2							0.0	0.0	0.0	11.28	11.759	22.653
P(Bartlett's X2)							.	.	.	0.08	0.038*	0.007*
Replicate F							0.000	3.462	0.000	0.312	0.553	1.414
Replicate Prob(F)							1.0000	0.0444	1.0000	0.7347	0.5812	0.2588
Treatment F							0.000	8414.097	0.000	37.724	104.886	35.248
Treatment Prob(F)							1.0000	0.0001	1.0000	0.0001	0.0001	0.0001

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.
 Could not calculate LSD (% mean diff) for columns 1,3 because error mean square = 0.

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							AMAPA ----- CONTROL PERCENT Jul-27-16	AGRASS ----- CONTROL PERCENT Jul-27-16	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code	7	8
1	WARRANT	3	ME	48.0	oz/a	PRE	A	68.3 b	80.0 a
2	MON-76980	2.92	SL	22.0	oz/a	PRE	A	98.3 a	20.0 b
3	WARRANT	3	ME	48.0	oz/a	PRE	A	98.3 a	88.3 a
	MON-76980	2.92	SL	22.0	oz/a	PRE	A		
4	MON-100234	3.74	SC	55.0	oz/a	PRE	A	100.0 a	95.0 a
5	MON-100235	3.77	SC	55.0	oz/a	PRE	A	100.0 a	88.3 a
6	WARRANT ULTRA	3.49	CS	50.0	oz/a	PRE	A	100.0 a	91.7 a
7	WARRANT	3	ME	48.0	oz/a	POST1	B	43.3 c	93.3 a
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1	B		
8	MON-76980	2.92	SL	22.0	oz/a	POST1	B	98.3 a	81.7 a
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1	B		
9	WARRANT	3	ME	48.0	oz/a	POST1	B	98.3 a	95.0 a
	MON-76980	2.92	SL	22.0	oz/a	POST1	B		
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1	B		
10	MON-100234	3.74	SC	55.0	oz/a	POST1	B	96.7 a	95.0 a
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1	B		
11	MON-100235	3.77	SC	55.0	oz/a	POST1	B	100.0 a	95.0 a
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST1	B		
12	MON-100234	3.74	SC	55.0	oz/a	PRE	A	100.0 a	95.0 a
	MON-100234	3.74	SC	55.0	oz/a	POST2	C		
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST2	C		
13	MON-100235	3.77	SC	55.0	oz/a	PRE	A	100.0 a	96.3 a
	MON-100235	3.77	SC	55.0	oz/a	POST2	C		
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST2	C		
14	ROWEL	51	WG	2.0	oz/a	PRE	A	100.0 a	96.3 a
	MON-100234	3.74	SC	55.0	oz/a	POST2	C		
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST2	C		
15	ROWEL	51	WG	2.0	oz/a	PRE	A	100.0 a	95.0 a
	MON-100235	3.77	SC	55.0	oz/a	POST2	C		
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST2	C		
16 NTC								0.0 d	0.0 c
LSD P=.10								16.56	14.58
Standard Deviation								11.95	10.52
CV								13.64	12.89
Grand Mean								87.60	81.63
Bartlett's X2								30.263	27.593
P(Bartlett's X2)								0.001*	0.001*
Replicate F								0.638	1.964
Replicate Prob(F)								0.5353	0.1580
Treatment F								16.494	22.223
Treatment Prob(F)								0.0001	0.000

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Trial ID: SB-08A-16 Study Dir.: MARK BRAXTON (2016-01-24-17)
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

Part Rated

PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

LEAF = LEAF / FOLIAGE

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 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						----- GLYMA PLANT - STUNTING PERCENT Jun-1-16	AMAPA ----- CONTROL PERCENT Jun-1-16	----- GLYMA LEAF - BURN PERCENT Jun-16-16	AMAPA ----- CONTROL PERCENT Jun-16-16	AMAPA ----- CONTROL PERCENT Jun-30-16	AGRASS ----- CONTROL PERCENT Jun-30-16
Trt Treatment No. Name	Form Form Conc Type	Rate Grow Rate Unit Stg	Appl Code Plot			1	2	3	4	5	6
1 WARRANT	3 ME	48.0 oz/a PRE	A 101			0.0	95.0	0.0	65.0	90.0	70.0
			213			0.0	99.0	0.0	95.0	90.0	99.0
			310			0.0	99.0	0.0	99.0	95.0	85.0
			Mean =			0.0	97.7	0.0	86.3	91.7	84.7
2 MON-76980	2.92 SL	22.0 oz/a PRE	A 102			0.0	99.0	0.0	99.0	99.0	0.0
			205			0.0	99.0	0.0	99.0	99.0	0.0
			307			0.0	99.0	0.0	99.0	99.0	50.0
			Mean =			0.0	99.0	0.0	99.0	99.0	16.7
3 WARRANT	3 ME	48.0 oz/a PRE	A 103			0.0	99.0	0.0	99.0	99.0	95.0
MON-76980	2.92 SL	22.0 oz/a PRE	A 212			0.0	99.0	0.0	99.0	99.0	99.0
			309			0.0	99.0	0.0	99.0	99.0	85.0
			Mean =			0.0	99.0	0.0	99.0	99.0	93.0
4 MON-100234	3.74 SC	55.0 oz/a PRE	A 104			0.0	99.0	0.0	99.0	99.0	99.0
			216			0.0	99.0	0.0	99.0	99.0	99.0
			306			0.0	99.0	0.0	99.0	99.0	99.0
			Mean =			0.0	99.0	0.0	99.0	99.0	99.0
5 MON-100235	3.77 SC	55.0 oz/a PRE	A 105			0.0	99.0	0.0	99.0	99.0	85.0
			204			0.0	99.0	0.0	99.0	99.0	99.0
			314			0.0	99.0	0.0	99.0	99.0	95.0
			Mean =			0.0	99.0	0.0	99.0	99.0	93.0
6 WARRANT ULTRA	3.49 CS	50.0 oz/a PRE	A 106			0.0	99.0	0.0	99.0	99.0	90.0
			207			0.0	99.0	0.0	99.0	99.0	99.0
			313			0.0	99.0	0.0	99.0	99.0	99.0
			Mean =			0.0	99.0	0.0	99.0	99.0	96.0
7 WARRANT	3 ME	48.0 oz/a POST1 B	107			0.0	0.0	0.0	80.0	60.0	99.0
ROUNDUP P-MAX	5.5 SL	32.0 oz/a POST1 B	209			0.0	0.0	0.0	90.0	70.0	99.0
			304			0.0	0.0	0.0	60.0	40.0	99.0
			Mean =			0.0	0.0	0.0	76.7	56.7	99.0
8 MON-76980	2.92 SL	22.0 oz/a POST1 B	108			0.0	0.0	15.0	95.0	95.0	95.0
ROUNDUP P-MAX	5.5 SL	32.0 oz/a POST1 B	215			0.0	0.0	15.0	85.0	99.0	90.0
			305			0.0	0.0	15.0	99.0	99.0	90.0
			Mean =			0.0	0.0	15.0	93.0	97.7	91.7
9 WARRANT	3 ME	48.0 oz/a POST1 B	109			0.0	0.0	15.0	90.0	99.0	99.0
MON-76980	2.92 SL	22.0 oz/a POST1 B	214			0.0	0.0	15.0	95.0	99.0	99.0
ROUNDUP P-MAX	5.5 SL	32.0 oz/a POST1 B	312			0.0	0.0	15.0	90.0	90.0	99.0
			Mean =			0.0	0.0	15.0	91.7	96.0	99.0
10 MON-100234	3.74 SC	55.0 oz/a POST1 B	110			0.0	0.0	15.0	90.0	90.0	99.0
ROUNDUP P-MAX	5.5 SL	32.0 oz/a POST1 B	201			0.0	0.0	15.0	85.0	95.0	99.0
			308			0.0	0.0	15.0	99.0	99.0	95.0
			Mean =			0.0	0.0	15.0	91.3	94.7	97.7
11 MON-100235	3.77 SC	55.0 oz/a POST1 B	111			0.0	0.0	15.0	95.0	99.0	99.0
ROUNDUP P-MAX	5.5 SL	32.0 oz/a POST1 B	210			0.0	0.0	15.0	95.0	99.0	99.0
			301			0.0	0.0	15.0	85.0	99.0	99.0
			Mean =			0.0	0.0	15.0	91.7	99.0	99.0
12 MON-100234	3.74 SC	55.0 oz/a PRE	A 112			0.0	99.0	0.0	99.0	99.0	99.0
MON-100234	3.74 SC	55.0 oz/a POST2 C	202			0.0	99.0	0.0	99.0	99.0	90.0
ROUNDUP P-MAX	5.5 SL	32.0 oz/a POST2 C	311			0.0	99.0	0.0	99.0	99.0	99.0
			Mean =			0.0	99.0	0.0	99.0	99.0	96.0
13 MON-100235	3.77 SC	55.0 oz/a PRE	A 113			0.0	99.0	0.0	99.0	99.0	99.0
MON-100235	3.77 SC	55.0 oz/a POST2 C	208			0.0	99.0	0.0	99.0	99.0	99.0
ROUNDUP P-MAX	5.5 SL	32.0 oz/a POST2 C	315			0.0	99.0	0.0	99.0	99.0	99.0
			Mean =			0.0	99.0	0.0	99.0	99.0	99.0
14 ROWEL	51 WG	2.0 oz/a PRE	A 114			0.0	95.0	0.0	99.0	99.0	85.0
MON-100234	3.74 SC	55.0 oz/a POST2 C	203			0.0	99.0	0.0	99.0	95.0	90.0
ROUNDUP P-MAX	5.5 SL	32.0 oz/a POST2 C	316			0.0	99.0	0.0	99.0	99.0	99.0
			Mean =			0.0	97.7	0.0	99.0	97.7	91.3

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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- GLYMA PLANT - STUNTING PERCENT Jun-1-16	AMAPA ----- CONTROL PERCENT Jun-1-16	----- GLYMA LEAF - BURN PERCENT Jun-16-16	AMAPA ----- CONTROL PERCENT Jun-16-16	AMAPA ----- CONTROL PERCENT Jun-30-16	AGRASS ----- CONTROL PERCENT Jun-30-16		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6
15	ROWEL	51	WG	2.0	oz/a	PRE	A	115	0.0	95.0	0.0	95.0	99.0	95.0
	MON-100235	3.77	SC	55.0	oz/a	POST2	C	206	0.0	99.0	0.0	95.0	99.0	99.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST2	C	303	0.0	99.0	0.0	99.0	99.0	99.0
							Mean =		0.0	97.7	0.0	96.3	99.0	97.7
16	NTC							116	0.0	0.0	0.0	0.0	0.0	0.0
								211	0.0	0.0	0.0	0.0	0.0	0.0
								302	0.0	0.0	0.0	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0	0.0	0.0

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							AMAPA ----- CONTROL PERCENT Jul-27-16	AGRASS ----- CONTROL PERCENT Jul-27-16
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit Stg	Appl Code Plot	7	8
1	WARRANT	3	ME	48.0 oz/a	PRE	A 101 213 310 Mean =	20.0 90.0 95.0 68.3	65.0 95.0 80.0 80.0
2	MON-76980	2.92	SL	22.0 oz/a	PRE	A 102 205 307 Mean =	100.0 95.0 100.0 98.3	0.0 0.0 60.0 20.0
3	WARRANT MON-76980	3 2.92	ME SL	48.0 oz/a 22.0 oz/a	PRE PRE	A 103 A 212 309 Mean =	100.0 100.0 95.0 98.3	85.0 95.0 85.0 88.3
4	MON-100234	3.74	SC	55.0 oz/a	PRE	A 104 216 306 Mean =	100.0 100.0 100.0 100.0	95.0 95.0 95.0 95.0
5	MON-100235	3.77	SC	55.0 oz/a	PRE	A 105 204 314 Mean =	100.0 100.0 100.0 100.0	85.0 90.0 90.0 88.3
6	WARRANT ULTRA	3.49	CS	50.0 oz/a	PRE	A 106 207 313 Mean =	100.0 100.0 100.0 100.0	85.0 95.0 95.0 91.7
7	WARRANT ROUNDUP P-MAX	3 5.5	ME SL	48.0 oz/a 32.0 oz/a	POST1 POST1	B 107 B 209 304 Mean =	50.0 60.0 20.0 43.3	95.0 95.0 90.0 93.3
8	MON-76980 ROUNDUP P-MAX	2.92 5.5	SL SL	22.0 oz/a 32.0 oz/a	POST1 POST1	B 108 B 215 305 Mean =	100.0 95.0 100.0 98.3	60.0 95.0 90.0 81.7
9	WARRANT MON-76980 ROUNDUP P-MAX	3 2.92 5.5	ME SL SL	48.0 oz/a 22.0 oz/a 32.0 oz/a	POST1 POST1 POST1	B 109 B 214 B 312 Mean =	95.0 100.0 100.0 98.3	95.0 95.0 95.0 95.0
10	MON-100234 ROUNDUP P-MAX	3.74 5.5	SC SL	55.0 oz/a 32.0 oz/a	POST1 POST1	B 110 B 201 308 Mean =	95.0 95.0 100.0 96.7	95.0 95.0 95.0 95.0
11	MON-100235 ROUNDUP P-MAX	3.77 5.5	SC SL	55.0 oz/a 32.0 oz/a	POST1 POST1	B 111 B 210 301 Mean =	100.0 100.0 100.0 100.0	95.0 95.0 95.0 95.0
12	MON-100234 MON-100234 ROUNDUP P-MAX	3.74 3.74 5.5	SC SC SL	55.0 oz/a 55.0 oz/a 32.0 oz/a	PRE PRE POST2	A 112 C 202 C 311 Mean =	100.0 100.0 100.0 100.0	95.0 95.0 95.0 95.0
13	MON-100235 MON-100235 ROUNDUP P-MAX	3.77 3.77 5.5	SC SC SL	55.0 oz/a 55.0 oz/a 32.0 oz/a	PRE POST2 POST2	A 113 C 208 C 315 Mean =	100.0 100.0 100.0 100.0	99.0 95.0 95.0 96.3
14	ROWEL MON-100234 ROUNDUP P-MAX	51 3.74 5.5	WG SC SL	2.0 oz/a 55.0 oz/a 32.0 oz/a	PRE POST2 POST2	A 114 C 203 C 316 Mean =	100.0 100.0 100.0 100.0	95.0 99.0 95.0 96.3

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Weed Code						AMAPA	AGRASS
Crop Code						-----	-----
Part Rated							
Rating Data Type						CONTROL	CONTROL
Rating Unit						PERCENT	PERCENT
Rating Date						Jul-27-16	Jul-27-16
Trt Treatment	Form Form	Rate Grow	Appl				
No. Name	Conc Type Rate Unit Stg	Code Plot				7	8
15 ROWEL	51 WG 2.0 oz/a PRE A	115				100.0	95.0
MON-100235	3.77 SC 55.0 oz/a POST2 C	206				100.0	95.0
ROUNDUP P-MAX	5.5 SL 32.0 oz/a POST2 C	303				100.0	95.0
	Mean =					100.0	95.0
16 NTC		116				0.0	0.0
		211				0.0	0.0
		302				0.0	0.0
	Mean =					0.0	0.0

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ACETOCHLOR + DICAMBA FORMULATIONS FOR XTEND SOYBEANS

Trial ID: SB-08A-16 Study Dir.: MARK BRAXTON (2016-01-24-17)
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.

Part Rated

PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)

LEAF = LEAF / FOLIAGE