

University of Georgia

FIRSTRATE OR CLASSIC WITH REFLEX OR PREFIX FOR WEED CONTROL IN SOYBEANS			
Trial ID:	SB-01-15	Study Dir.:	
Location:	PONDER FARM	Investigator:	Eric P. Prostko

Reps: 4 Plots: 5 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (calculated mix size .65176)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	Amt Product to Measure	Rep			
									1	2	3	4
1	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 ml/mx	101	204	308	403
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST1	B	17.19 ml/mx				
	REFLEX	2	SL	24.0	oz/a	POST1	B	18.75 ml/mx				
2	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 ml/mx	102	209	303	409
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST1	B	17.19 ml/mx				
	REFLEX	2	SL	24.0	oz/a	POST1	B	18.75 ml/mx				
	CLASSIC	25	DG	0.5	oz/a	POST1	B	0.3745 g/mx				
3	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 ml/mx	103	208	309	411
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST1	B	17.19 ml/mx				
	REFLEX	2	SL	24.0	oz/a	POST1	B	18.75 ml/mx				
	FIRSTRATE	84	DG	0.3	oz/a	POST1	B	0.2247 g/mx				
4	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 ml/mx	104	206	310	406
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST1	B	17.19 ml/mx				
	PREFIX	5.29	SL	32.0	oz/a	POST1	B	25.0 ml/mx				
5	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 ml/mx	105	207	311	410
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST1	B	17.19 ml/mx				
	PREFIX	5.29	SL	32.0	oz/a	POST1	B	25.0 ml/mx				
	CLASSIC	25	DG	0.5	oz/a	POST1	B	0.3745 g/mx				
6	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 ml/mx	106	205	302	407
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST1	B	17.19 ml/mx				
	PREFIX	5.29	SL	32.0	oz/a	POST1	B	25.0 ml/mx				
	FIRSTRATE	84	DG	0.3	oz/a	POST1	B	0.2247 g/mx				
7	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 ml/mx	107	201	305	404
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST1	B	17.19 ml/mx				
	REFLEX	2	SL	24.0	oz/a	POST1	B	18.75 ml/mx				
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST2	C	17.19 ml/mx				
	CLASSIC	25	DG	0.5	oz/a	POST2	C	0.3745 g/mx				
8	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 ml/mx	108	203	307	405
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST1	B	17.19 ml/mx				
	REFLEX	2	SL	24.0	oz/a	POST1	B	18.75 ml/mx				
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST2	C	17.19 ml/mx				
	FIRSTRATE	84	DG	0.3	oz/a	POST2	C	0.2247 g/mx				
9	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 ml/mx	109	202	301	408
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST1	B	17.19 ml/mx				
	PREFIX	5.29	SL	32.0	oz/a	POST1	B	25.0 ml/mx				
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST2	C	17.19 ml/mx				
	CLASSIC	25	DG	0.5	oz/a	POST2	C	0.3745 g/mx				
10	DUAL MAGNUM	7.62	EC	16.0	oz/a	PRE	A	12.5 ml/mx	110	211	304	401
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST1	B	17.19 ml/mx				
	PREFIX	5.29	SL	32.0	oz/a	POST1	B	25.0 ml/mx				
	ROUNDUP W-MAX	5.5	SL	22.0	oz/a	POST2	C	17.19 ml/mx				
	FIRSTRATE	84	WG	0.3	oz/a	POST2	C	0.2247 g/mx				
11	NTC								111	210	306	402

Sort Order: Treatment

Trial Comments
<p>IPOSP = IVYLEAF + PITTED</p> <p>BORON + DIMILIN + PRIAXOR - JULY 1</p> <p>GRAMOXONE SL @ 16 OZ/A + NIS @ 0.25% V/V - OCTOBER 23</p> <p>HARVEST DATE: OCTOBER 30</p> <p>HARVEST MOISTURE: 15.3%</p> <p>YIELDS ADJUSTED TO 13% MOISTURE</p> <p>NTC PLOTS WERE ASSIGNED 0 YIELD DUE TO HEAVY PIGWEED POPULATION THAT PREVENTED MECHANICAL</p>

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HARVESTING WITH A SMALL-POT COMBINE.

SUMMARY:

- 1) WHEN CLASSIC OR FIRSTRATE WAS TANK-MIXED WITH REFLEX OR PREFIX, SOYBEAN LEAF INJURY WAS NOT SIGNIFICANTLY INCREASED.
- 2) GENERALLY, POST APPLICATIONS OF PREFIX WERE MORE INJURIOUS THAN REFLEX.
- 3) PALMER AMARANTH CONTROL WAS EXCELLENT WITH ALL TREATMENTS (99%).
- 4) ANNUAL MG CONTROL WAS NOT SIGNIFICANTLY IMPROVED WHEN CLASSIC OR FIRSTRATE WAS TANK-MIXED WITH REFLEX OR WHEN APPLIED IN SPLIT APPLICATIONS.
- 5) ANNUAL MG CONTROL WAS IMPROVED WHEN PREFIX WAS AS FOLLOWED BY ROUNDUP + CLASSIC OR ROUNDUP + FIRSTRATE.
- 6) ALL TREATMENTS RESULTED IN HIGHER YIELDS THAN THE NTC. TANK-MIXES OR SPLIT APPLICATIONS OF CLASSIC OR FIRSTRATE WITH ROUNDUP + REFLEX OR ROUNDUP + PREFIX DID NOT IMPACT YIELD.

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FIRSTRATE OR CLASSIC WITH REFLEX OR PREFIX FOR
WEED CONTROL IN SOYBEANS
Trial ID: SB-01-15 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: _____ 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. IPOSP IVYLEAF + PITTED

Crop 1: GLXMA SOYBEAN Variety: ASGROW AG5935 Planting Date: May-6-15
Planting Method: MONOSEM Rate: 121968 SEED/A Depth: 1.5 IN
Perennial Age: _____ Row Spacing: 30 IN Seed Bed: _____
Soil Temperature: _____ Soil Moisture: OPTIMUM Emergence Date: _____

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

Previous: Crops Pesticides Year
1. COTTON 2014 _____

MAINTENANCE

Field Prep./Maintenance: _____

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

SOIL DESCRIPTION

Texture: SAND % OM: 0.62 % Sand: 92 % Silt: 6 % Clay: 2
pH: 6.3 CEC: 2.9 Soil Name: FUQUAY Fertility Level: GOOD

MOISTURE CONDITIONS

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-8-15	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
2. May-13-15	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
3. May-18-15	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
4. Jun-2-15	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____

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

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	May-7-15	May-29-15	Jun-11-15	_____	_____	_____
Time of Day:	8:50 AM	8:00 AM	8:15 AM	_____	_____	_____
Application Method:	BROADCAST	BROADCAST	BROADCAST	_____	_____	_____
Application Timing:	PRE	POST1	POST2	_____	_____	_____
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE	_____	_____	_____
Air Temp., Unit:	71 F	83 F	87 F	_____	_____	_____
% Relative Humidity:	70	47	99	_____	_____	_____
Wind Velocity, Unit:	0 MPH	0 MPH	0 MPH	_____	_____	_____
Dew Presence (Y/N):	N	Y	Y	_____	_____	_____
Water Hardness:	__	__	__	_____	_____	_____
Soil Temp., Unit:	71 F	76 F	76 F	_____	_____	_____
Soil Moisture:	OPTIMUM	OPTIMUM	OPTIMUM	_____	_____	_____
% Cloud Cover:	0	10	15	_____	_____	_____

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Stage: GLXMA	_____	_____	_____	_____	_____	_____
Stage Scale:	_____	V3-V4	V6	_____	_____	_____
Height, Unit:	_____	8 IN	12 IN	_____	_____	_____

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		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 2	Stage: IPOSP	_____	1-4" TALL	1-2" TALL	_____	_____	_____
	Stage Scale:	_____	4" WIDE	COT-2 LF	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	BACKPACK	SAME AS B		_____	_____	_____
Operating Pressure:	40	40			_____	_____	_____
Nozzle Type:	AIXR	FLAT FAN				_____	_____
Nozzle Size:	11002	11002DG				_____	_____
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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FIRSTRATE OR CLASSIC WITH REFLEX OR PREFIX FOR WEED CONTROL IN SOYBEANS							
Trial ID: SB-01-15		Study Dir.: Eric P. Prostko					
Location: PONDER FARM		Investigator: Eric P. Prostko					
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	PRM Data Type	
# Subsamples, Dec.	IPOSP ----- PLANTS IN-ROW May-29-15	GLXMA PLANT - STUNTING PERCENT Jun-8-15	GLXMA LEAF - BURN PERCENT Jun-8-15	AMAPA ----- CONTROL PERCENT Jun-8-15	IPOSP ----- CONTROL PERCENT Jun-8-15	AMAPA ----- CONTROL PERCENT Jun-29-15	
Trt Treatment No. Name	Form Conc	Form Type	Rate	Grow Unit	Stg	Appl Code	
1	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	7.8 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1	B	0.0 a	
	REFLEX	2 SL	24.0 oz/a	POST1	B	8.8 c	
2	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	11.0 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1	B	0.0 a	
	REFLEX	2 SL	24.0 oz/a	POST1	B	8.8 c	
	CLASSIC	25 DG	0.5 oz/a	POST1	B	99.0 a	
3	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	15.0 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1	B	0.0 a	
	REFLEX	2 SL	24.0 oz/a	POST1	B	7.5 c	
	FIRSTRATE	84 DG	0.3 oz/a	POST1	B	99.0 a	
4	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	14.5 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1	B	2.5 a	
	PREFIX	5.29 SL	32.0 oz/a	POST1	B	13.8 ab	
5	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	15.8 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1	B	2.5 a	
	PREFIX	5.29 SL	32.0 oz/a	POST1	B	11.3 bc	
	CLASSIC	25 DG	0.5 oz/a	POST1	B	99.0 a	
6	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	13.8 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1	B	0.0 a	
	PREFIX	5.29 SL	32.0 oz/a	POST1	B	16.3 a	
	FIRSTRATE	84 DG	0.3 oz/a	POST1	B	99.0 a	
7	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	8.8 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1	B	2.5 a	
	REFLEX	2 SL	24.0 oz/a	POST1	B	8.8 c	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST2	C	99.0 a	
	CLASSIC	25 DG	0.5 oz/a	POST2	C	88.5 a	
8	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	11.3 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1	B	0.0 a	
	REFLEX	2 SL	24.0 oz/a	POST1	B	10.0 c	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST2	C	99.0 a	
	FIRSTRATE	84 DG	0.3 oz/a	POST2	C	85.0 ab	
9	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	10.8 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1	B	2.5 a	
	PREFIX	5.29 SL	32.0 oz/a	POST1	B	16.3 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST2	C	99.0 a	
	CLASSIC	25 DG	0.5 oz/a	POST2	C	85.0 ab	
10	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	13.8 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1	B	5.0 a	
	PREFIX	5.29 SL	32.0 oz/a	POST1	B	16.3 a	
	ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST2	C	99.0 a	
	FIRSTRATE	84 WG	0.3 oz/a	POST2	C	91.2 a	
11	NTC						0.0 b
LSD P=.10							11.70
Standard Deviation							9.73
CV							0.00
Grand Mean							12.49
Bartlett's X2							0.0
P(Bartlett's X2)							77.86
Replicate F							90.00
Replicate Prob(F)							0.0
Treatment F							4.142
Treatment Prob(F)							0.902
Replicate F							0.000
Replicate Prob(F)							1.538
Treatment F							0.000
Treatment Prob(F)							1.0000

Means followed by same letter 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: Yates=5
 Could not calculate LSD (% mean diff) for columns 4,6 because error mean square = 0.

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Weed Code						IPOSP	GLXMA	GLXMA	
Crop Code						CONTROL	PLOT -	PLOT -	
Part Rated						PERCENT	YIELD	YIELD	
Rating Data Type						Jun-29-15	LBS/PLOT	BU/A	
Rating Unit							Oct-30-15	Oct-30-15	
Rating Date								TY1	
PRM Data Type							- 1	- 0	
# Subsamples, Dec.									
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	7	8	9
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE A		87.3 a	14.4 ab	82 ab
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1 B				
	REFLEX	2	SL	24.0 oz/a	POST1 B				
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE A		92.0 a	14.2 ab	80 ab
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1 B				
	REFLEX	2	SL	24.0 oz/a	POST1 B				
	CLASSIC	25	DG	0.5 oz/a	POST1 B				
3	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE A		88.3 a	16.0 a	90 a
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1 B				
	REFLEX	2	SL	24.0 oz/a	POST1 B				
	FIRSTRATE	84	DG	0.3 oz/a	POST1 B				
4	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE A		75.0 b	13.8 b	78 b
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1 B				
	PREFIX	5.29	SL	32.0 oz/a	POST1 B				
5	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE A		75.0 b	14.6 ab	83 ab
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1 B				
	PREFIX	5.29	SL	32.0 oz/a	POST1 B				
	CLASSIC	25	DG	0.5 oz/a	POST1 B				
6	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE A		86.0 ab	14.0 b	79 b
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1 B				
	PREFIX	5.29	SL	32.0 oz/a	POST1 B				
	FIRSTRATE	84	DG	0.3 oz/a	POST1 B				
7	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE A		88.5 a	13.8 b	78 b
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1 B				
	REFLEX	2	SL	24.0 oz/a	POST1 B				
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST2 C				
	CLASSIC	25	DG	0.5 oz/a	POST2 C				
8	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE A		89.8 a	14.5 ab	82 ab
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1 B				
	REFLEX	2	SL	24.0 oz/a	POST1 B				
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST2 C				
	FIRSTRATE	84	DG	0.3 oz/a	POST2 C				
9	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE A		90.0 a	14.1 ab	80 ab
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1 B				
	PREFIX	5.29	SL	32.0 oz/a	POST1 B				
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST2 C				
	CLASSIC	25	DG	0.5 oz/a	POST2 C				
10	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE A		94.5 a	13.4 b	76 b
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1 B				
	PREFIX	5.29	SL	32.0 oz/a	POST1 B				
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST2 C				
	FIRSTRATE	84	WG	0.3 oz/a	POST2 C				
11	NTC						0.0 c	0.0 c	0 c
LSD P=.10							10.96	1.65	9.3
Standard Deviation							9.14	1.37	7.8
CV							11.6	10.57	10.57
Grand Mean							78.75	12.98	73.4
Bartlett's X2							3.376	6.188	6.188
P(Bartlett's X2)							0.948	0.721	0.721
Replicate F							1.073	0.967	0.967
Replicate Prob(F)							0.3754	0.4210	0.4210
Treatment F							34.563	40.305	40.305
Treatment Prob(F)							0.0001	0.0001	0.0001

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FIRSTRATE OR CLASSIC WITH REFLEX OR PREFIX FOR
WEED CONTROL IN SOYBEANS

Trial ID: SB-01-15 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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

Crop Code

GLXMA = SOYBEAN / GLYCINE MAX (L.) MERR.

Part Rated

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

LEAF = LEAF / FOLIAGE

PRM Data Type

TY1 = 5.654455*[8]

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FIRSTRATE OR CLASSIC WITH REFLEX OR PREFIX FOR WEED CONTROL IN SOYBEANS Trial ID: SB-01-15 Study Dir.: Location: PONDER FARM Investigator: Eric P. Prostko										
	IPOSP ----- PLANTS IN-ROW May-29-15	GLXMA PLANT - STUNTING PERCENT Jun-8-15	GLXMA LEAF - BURN PERCENT Jun-8-15	AMAPA ----- CONTROL PERCENT Jun-8-15	IPOSP ----- CONTROL PERCENT Jun-8-15	AMAPA ----- CONTROL PERCENT Jun-29-15				
Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.	1	2	3	4	5	6				
Trt Treatment No. Name Form Form Conc Type Rate Unit Grow Stg Appl Code Plot										
1 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	101	1.0	0.0	10.0	99.0	99.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1 B	204	1.0	0.0	10.0	99.0	85.0	99.0
REFLEX	2 SL	24.0 oz/a	POST1 B	308	29.0	0.0	5.0	99.0	85.0	99.0
				403	0.0	0.0	10.0	99.0	87.9*	99.0
Mean =					7.8	0.0	8.8	99.0	89.2	99.0
2 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	102	2.0	0.0	10.0	99.0	99.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1 B	209	19.0	0.0	10.0	99.0	85.0	99.0
REFLEX	2 SL	24.0 oz/a	POST1 B	303	3.0	0.0	5.0	99.0	99.0	99.0
CLASSIC	25 DG	0.5 oz/a	POST1 B	409	20.0	0.0	10.0	99.0	85.0	99.0
Mean =					11.0	0.0	8.8	99.0	92.0	99.0
3 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	103	3.0	0.0	10.0	99.0	99.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1 B	208	13.0	0.0	10.0	99.0	85.0	99.0
REFLEX	2 SL	24.0 oz/a	POST1 B	309	25.0	0.0	5.0	99.0	75.0	99.0
FIRSTRATE	84 DG	0.3 oz/a	POST1 B	411	19.0	0.0	5.0	99.0	85.0	99.0
Mean =					15.0	0.0	7.5	99.0	86.0	99.0
4 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	104	3.0	0.0	15.0	99.0	99.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1 B	206	19.0	0.0	10.0	99.0	85.0	99.0
PREFIX	5.29 SL	32.0 oz/a	POST1 B	310	22.0	10.0	15.0	99.0	65.0	99.0
				406	14.0	0.0	15.0	99.0	85.0	99.0
Mean =					14.5	2.5	13.8	99.0	83.5	99.0
5 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	105	21.0	0.0	10.0	99.0	85.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1 B	207	17.0	0.0	15.0	99.0	65.0	99.0
PREFIX	5.29 SL	32.0 oz/a	POST1 B	311	10.0	0.0	10.0	99.0	65.0	99.0
CLASSIC	25 DG	0.5 oz/a	POST1 B	410	15.0	10.0	10.0	99.0	75.0	99.0
Mean =					15.8	2.5	11.3	99.0	72.5	99.0
6 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	106	29.0	0.0	20.0	99.0	85.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1 B	205	16.0	0.0	20.0	99.0	65.0	99.0
PREFIX	5.29 SL	32.0 oz/a	POST1 B	302	4.0	0.0	10.0	99.0	99.0	99.0
FIRSTRATE	84 DG	0.3 oz/a	POST1 B	407	6.0	0.0	15.0	99.0	85.0	99.0
Mean =					13.8	0.0	16.3	99.0	83.5	99.0
7 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	107	21.0	0.0	10.0	99.0	85.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1 B	201	3.0	0.0	10.0	99.0	85.0	99.0
REFLEX	2 SL	24.0 oz/a	POST1 B	305	10.0	0.0	5.0	99.0	85.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST2 C	404	1.0	10.0	10.0	99.0	99.0	99.0
CLASSIC	25 DG	0.5 oz/a	POST2 C							
Mean =					8.8	2.5	8.8	99.0	88.5	99.0
8 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	108	17.0	0.0	10.0	99.0	85.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1 B	203	5.0	0.0	10.0	99.0	95.0	99.0
REFLEX	2 SL	24.0 oz/a	POST1 B	307	19.0	0.0	10.0	99.0	75.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST2 C	405	4.0	0.0	10.0	99.0	85.0	99.0
FIRSTRATE	84 DG	0.3 oz/a	POST2 C							
Mean =					11.3	0.0	10.0	99.0	85.0	99.0
9 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	109	28.0	0.0	20.0	99.0	85.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1 B	202	1.0	0.0	15.0	99.0	95.0	99.0
PREFIX	5.29 SL	32.0 oz/a	POST1 B	301	2.0	0.0	10.0	99.0	95.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST2 C	408	12.0	10.0	20.0	99.0	65.0	99.0
CLASSIC	25 DG	0.5 oz/a	POST2 C							
Mean =					10.8	2.5	16.3	99.0	85.0	99.0
10 DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE A	110	19.0	0.0	10.0	99.0	95.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST1 B	211	16.0	10.0	20.0	99.0	85.0	99.0
PREFIX	5.29 SL	32.0 oz/a	POST1 B	304	20.0	0.0	15.0	99.0	95.0	99.0
ROUNDUP W-MAX	5.5 SL	22.0 oz/a	POST2 C	401	0.0	10.0	20.0	99.0	89.9*	99.0
FIRSTRATE	84 WG	0.3 oz/a	POST2 C							
Mean =					13.8	5.0	16.3	99.0	91.2	99.0
11 NTC				111	5.0	0.0	0.0	0.0	0.0	0.0
				210	13.0	0.0	0.0	0.0	0.0	0.0
				306	26.0	0.0	0.0	0.0	0.0	0.0
				402	0.0	0.0	0.0	0.0	0.0	0.0
Mean =					11.0	0.0	0.0	0.0	0.0	0.0

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Weed Code						IPOSP	GLXMA	GLXMA
Crop Code						-----	-----	-----
Part Rated						CONTROL	PLOT -	PLOT -
Rating Data Type						PERCENT	YIELD	YIELD
Rating Unit						Jun-29-15	LBS/PLOT	BU/A
Rating Date							Oct-30-15	Oct-30-15
PRM Data Type								TY1
# Subsamples, Dec.							- 1	- 0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code	Plot	
				Unit				
1	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	101	90.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1	B	204	90.0
	REFLEX	2	SL	24.0 oz/a	POST1	B	308	70.0
							403	99.0
							Mean =	87.3
2	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	102	99.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1	B	209	85.0
	REFLEX	2	SL	24.0 oz/a	POST1	B	303	99.0
	CLASSIC	25	DG	0.5 oz/a	POST1	B	409	85.0
							Mean =	92.0
3	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	103	99.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1	B	208	99.0
	REFLEX	2	SL	24.0 oz/a	POST1	B	309	70.0
	FIRSTRATE	84	DG	0.3 oz/a	POST1	B	411	85.0
							Mean =	88.3
4	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	104	85.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1	B	206	80.0
	PREFIX	5.29	SL	32.0 oz/a	POST1	B	310	65.0
							406	70.0
							Mean =	75.0
5	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	105	85.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1	B	207	75.0
	PREFIX	5.29	SL	32.0 oz/a	POST1	B	311	75.0
	CLASSIC	25	DG	0.5 oz/a	POST1	B	410	65.0
							Mean =	75.0
6	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	106	85.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1	B	205	75.0
	PREFIX	5.29	SL	32.0 oz/a	POST1	B	302	99.0
	FIRSTRATE	84	DG	0.3 oz/a	POST1	B	407	85.0
							Mean =	86.0
7	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	107	85.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1	B	201	95.0
	REFLEX	2	SL	24.0 oz/a	POST1	B	305	75.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST2	C	404	99.0
	CLASSIC	25	DG	0.5 oz/a	POST2	C		
							Mean =	88.5
8	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	108	85.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1	B	203	99.0
	REFLEX	2	SL	24.0 oz/a	POST1	B	307	80.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST2	C	405	95.0
	FIRSTRATE	84	DG	0.3 oz/a	POST2	C		
							Mean =	89.8
9	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	109	85.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1	B	202	95.0
	PREFIX	5.29	SL	32.0 oz/a	POST1	B	301	95.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST2	C	408	85.0
	CLASSIC	25	DG	0.5 oz/a	POST2	C		
							Mean =	90.0
10	DUAL MAGNUM	7.62	EC	16.0 oz/a	PRE	A	110	99.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST1	B	211	85.0
	PREFIX	5.29	SL	32.0 oz/a	POST1	B	304	95.0
	ROUNDUP W-MAX	5.5	SL	22.0 oz/a	POST2	C	401	99.0
	FIRSTRATE	84	WG	0.3 oz/a	POST2	C		
							Mean =	94.5
11	NTC						111	0.0
							210	0.0
							306	0.0
							402	0.0
							Mean =	0.0

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FIRSTRATE OR CLASSIC WITH REFLEX OR PREFIX FOR
WEED CONTROL IN SOYBEANS

Trial ID: SB-01-15 Study Dir.:
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code

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

Crop Code

GLXMA = SOYBEAN / GLYCINE MAX (L.) MERR.

Part Rated

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

LEAF = LEAF / FOLIAGE

PRM Data Type

TY1 = 5.654455*[8]