

# University of Georgia

PREPLANT BURNDOWN IN SOYBEANS WITH  
 FIERCE + DICAMBA  
 Trial ID: SB-04-17      Study Dir.: HUNT SANDERS/MIKE RIFFLE  
 Location: PONDER FARM      Investigator: Eric P. Prostko

Reps: 4      Plots: 5 by 25 feet  
 Spray vol: 15 GAL/AC      Mix Size: 1.5 liters (.65176 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	Rep 2	Rep 3	Rep 4
1	NTC							101	202	302	411
2	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A	25.0 ml/mx	102	209	304	405
	CLARITY	4	SL	16.0 oz/a	PPLNT	A	12.5 ml/mx				
	NIS			0.25 % v/v	PPLNT	A	3.75 ml/mx				
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	25.0 ml/mx				
	CLARITY	4	SL	16.0 oz/a	POST	B	12.5 ml/mx				
	NIS			0.25 % v/v	POST	B	3.75 ml/mx				
3	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A	25.0 ml/mx	103	212	311	403
	CLARITY	4	SL	16.0 oz/a	PPLNT	A	12.5 ml/mx				
	ZIDUA PRO	4.09	SC	6.0 oz/a	PPLNT	A	4.687 ml/mx				
	NIS			0.25 % v/v	PPLNT	A	3.75 ml/mx				
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	25.0 ml/mx				
	CLARITY	4	SL	16.0 oz/a	POST	B	12.5 ml/mx				
	NIS			0.25 % v/v	POST	B	3.75 ml/mx				
4	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A	25.0 ml/mx	104	203	310	407
	CLARITY	4	SL	16.0 oz/a	PPLNT	A	12.5 ml/mx				
	VALOR EZ	4.0	SC	2.5 oz/a	PPLNT	A	1.953 ml/mx				
	NIS			0.25 % v/v	PPLNT	A	3.75 ml/mx				
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	25.0 ml/mx				
	CLARITY	4	SL	16.0 oz/a	POST	B	12.5 ml/mx				
	NIS			0.25 % v/v	POST	B	3.75 ml/mx				
5	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A	25.0 ml/mx	105	207	307	404
	CLARITY	4	SL	16.0 oz/a	PPLNT	A	12.5 ml/mx				
	FIERCE	76	WG	3.0 oz/a	PPLNT	A	2.247 g/mx				
	NIS			0.25 % v/v	PPLNT	A	3.75 ml/mx				
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	25.0 ml/mx				
	CLARITY	4	SL	16.0 oz/a	POST	B	12.5 ml/mx				
	NIS			0.25 % v/v	POST	B	3.75 ml/mx				
6	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A	25.0 ml/mx	106	208	306	401
	CLARITY	4	SL	16.0 oz/a	PPLNT	A	12.5 ml/mx				
	FIERCE MTZ	2.64	SC	16.0 oz/a	PPLNT	A	12.5 ml/mx				
	NIS			0.25 % v/v	PPLNT	A	3.75 ml/mx				
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	25.0 ml/mx				
	CLARITY	4	SL	16.0 oz/a	POST	B	12.5 ml/mx				
	NIS			0.25 % v/v	POST	B	3.75 ml/mx				
7	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A	25.0 ml/mx	107	210	303	408
	CLARITY	4	SL	16.0 oz/a	PPLNT	A	12.5 ml/mx				
	VALOR EZ	4	SC	2.5 oz/a	PPLNT	A	1.953 ml/mx				
	TRICOR	4	L	4.0 oz/a	PPLNT	A	3.125 ml/mx				
	NIS			0.25 % v/v	PPLNT	A	3.75 ml/mx				
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	25.0 ml/mx				
	CLARITY	4	SL	16.0 oz/a	POST	B	12.5 ml/mx				
	NIS			0.25 % v/v	POST	B	3.75 ml/mx				
8	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A	25.0 ml/mx	108	211	312	406
	CLARITY	4	SL	16.0 oz/a	PPLNT	A	12.5 ml/mx				
	AUTHORITY MTZ	45	WG	11.0 oz/a	PPLNT	A	8.238 g/mx				
	NIS			0.25 % v/v	PPLNT	A	3.75 ml/mx				
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	25.0 ml/mx				
	CLARITY	4	SL	16.0 oz/a	POST	B	12.5 ml/mx				
	NIS			0.25 % v/v	POST	B	3.75 ml/mx				
9	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A	25.0 ml/mx	109	205	308	409
	CLARITY	4	SL	16.0 oz/a	PPLNT	A	12.5 ml/mx				
	AUTHORITY ELITE	7	SC	26.0 oz/a	PPLNT	A	20.31 ml/mx				
	NIS			0.25 % v/v	PPLNT	A	3.75 ml/mx				
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B	25.0 ml/mx				
	CLARITY	4	SL	16.0 oz/a	POST	B	12.5 ml/mx				
	NIS			0.25 % v/v	POST	B	3.75 ml/mx				

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

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Appl Code	Amt to Measure	Product	Rep 1	Rep 2	Rep 3	Rep 4
10	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	25.0	ml/mx	110	206	301	412
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	12.5	ml/mx				
	VALOR EZ	4	SC	2.0	oz/a	PPLNT	A	1.562	ml/mx				
	NIS			0.25	% v/v	PPLNT	A	3.75	ml/mx				
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	25.0	ml/mx				
	CLARITY	4	SL	16.0	oz/a	POST	B	12.5	ml/mx				
	NIS			0.25	% v/v	POST	B	3.75	ml/mx				
11	GRAMOXONE	2	SL	48.0	oz/a	PPLNT	A	37.5	ml/mx	111	204	309	402
	TRICOR	4	F	8.0	oz/a	PPLNT	A	6.249	ml/mx				
	NIS			0.25	% v/v	PPLNT	A	3.75	ml/mx				
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	25.0	ml/mx				
	CLARITY	4	SL	16.0	oz/a	POST	B	12.5	ml/mx				
	NIS			0.25	% v/v	POST	B	3.75	ml/mx				
12	NTC									112	201	305	410

Sort Order: Treatment

	Trial Comments
<p>ZIDUA PRO = PYROXASULFONE (2.28 LBS) + IMAZETHAPYR (1.33 LBS) + SAFLUFENACIL (0.48 LBS)                      FIERCE = PYROXASULFONE (42.5%)+ FLUMIOXAZIN (33.5%)                      FIERCE MTZ = PYROXASULFONE + FLUMIOXAZIN + METRIBUZIN                      AUTHORITY MTZ = METRIBUZIN (27%) + SULFENTRAZONE (18%)                      AUTHORITY ELITE = SULFENTRAZONE (0.7 LBS) + S-MOC (6.3 LBS)</p> <p>NIS = ADEPT</p> <p>LAST TILLAGE ON APRIL 12</p> <p>AGRASS = TEXAS MILLET + CRABGRASS + GOOSEGRASS + CROWFOOTGRASS</p> <p style="color: red;"><b>MISSING DATA POINTS FOR PLOT#208 DUE TO APPLICATOR ERROR</b></p> <p>KARATE @ 2.5 OZ/A ON JULY 11 FOR KUDZU BUGS                      BORON @ 1 QT/A + DIMILIN @ 2 OZ/A + PRIAXOR @ 6 OZ/A ON JULY 11</p> <p>AVERAGE PLOT GRAIN MOISTURE: = 15.8%                      YIELDS ADJUSTED TO 13% MOISTURE.                      MISSING DATA FOR YIELD DUE TO COMBINE PROBLEMS.</p> <p><b><u>SUMMARY:</u></b></p> <p>1) ALL PPLNT HERBICIDE APPLICATIONS CAUSED SOYBEAN INJURY. GENERALLY, FIERCE AND ZIDUA PRO CAUSED MORE INJURY THAN THE OTHER RESIDUAL HERBICIDES.</p> <p>2) JUST PRIOR TO THE POST APPLICATIONS, ON JUNE 5, ALL PPLNT TREATMENTS PROVIDED EXCELLENT CONTROL OF PALMER AMARANTH AND FLORIDA BEGGARWEED (&gt;93%).</p> <p>3) JUST PRIOR TO THE POST APPLICATIONS ON JUNE 5, ALL PPLNT TREATMENTS PROVIDED &gt; 88% CONTROL OF ANNUAL GRASSES EXCEPT THE FOLLOWING:</p> <p>A) ROUNDUP P-MAX + CLARITY = 58% CONTROL                      B) ROUNDUP P-MAX + CLARITY + AUTHORITY MTZ = 79% CONTROL</p> <p>4) AFTER POST APPLICATIONS OF ROUNDUP P-MAX + CLARITY WERE APPLIED ON JUNE 9, WEED CONTROL WITH ALL TREATMENTS WAS EXCELLENT (&gt;97%).</p> <p>5) ALL PLOTS TREATED WITH HERBICIDES HAD HIGHER YIELDS THAN THE NTC. YIELDS OF PLOTS TREATED WITH PPLNT ZIDUA PRO WERE REDUCED 20-23% WHEN COMPARED TO SEVERAL OTHER TREATMENTS.</p>	

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**PREPLANT BURNDOWN IN SOYBEANS WITH  
FIERCE + DICAMBA**

Trial ID: SB-04-17      Study Dir.: HUNT SANDERS/MIKE RIFFLE  
 Location: PONDER FARM      Investigator: Eric P. Prostko

**GENERAL TRIAL INFORMATION**

**Study Director:** HUNT SANDERS/MIKE RIFFLE      **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:** DEDTO FLORIDA BEGGARWEED      **2:** AMAPA PALMER AMARANTH  
**Weed 3:** AGRASS TX MILLET/CRAB/CROW/GOOSE      **4:** \_\_\_\_\_

**Crop 1:** GLYMA SOYBEAN      **Variety:** AG59X7      **Planting Date:** May-17-17  
**Planting Method:** MONOSEM      **Rate:** 130680 SEED/A      **Depth:** 2 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:** \_\_\_\_\_      **Study Design:** RACOBL  
**Tillage Type:** CONVENTIONAL  
**Trial Initiation Comments:** \_\_\_\_\_

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**Previous: Crops**      **Pesticides**      **Year**  
 1. FALLOW      2016      \_\_\_\_\_

**MAINTENANCE**

**Field Prep./Maintenance:** \_\_\_\_\_

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

**SOIL DESCRIPTION**

**Texture:** SAND      **% OM:** 0.61      **% Sand:** 94      **% Silt:** 2      **% Clay:** 4  
**pH:** 6.4      **CEC:** 3.0      **Soil Name:** TIFTON      **Fertility Level:** GOOD

**MOISTURE CONDITIONS**

On: Date	Time	Amount	Unit	Type	Interval	Unit
1. May-10-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
2. May-11-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
3. May-15-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
4. May-17-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
5. May-19-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
6. May-21-17	_____	0.11	IN	RAINFALL	_____	_____
7. May-22-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
8. May-31-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____
9. Jun-1-17	_____	0.5	IN	SPRINKLER - LATERAL MOVE	_____	_____

**Overall Moisture Conditions:** \_\_\_\_\_  
**Closest Weather Station:** \_\_\_\_\_      **Distance:** \_\_\_\_\_      **Unit:** \_\_\_\_\_

**APPLICATION DESCRIPTION**

	A	B	C	D	E	F
<b>Application Date:</b>	May-15-17	Jun-9-17	_____	_____	_____	_____
<b>Time of Day:</b>	8:15 AM	8:00 AM	_____	_____	_____	_____
<b>Application Method:</b>	BROADCAST	BROADCAST	_____	_____	_____	_____
<b>Application Timing:</b>	PPLNT	POST	_____	_____	_____	_____
<b>Applic. Placement:</b>	FOLIAGE	FOLIAGE	_____	_____	_____	_____
<b>Air Temp., Unit:</b>	67 F	66 F	_____	_____	_____	_____
<b>% Relative Humidity:</b>	98	100	_____	_____	_____	_____
<b>Wind Velocity, Unit:</b>	0 MPH	1 MPH	_____	_____	_____	_____
<b>Dew Presence (Y/N):</b>	Y	Y	_____	_____	_____	_____
<b>Water Hardness:</b>	--	--	_____	_____	_____	_____
<b>Soil Temp., Unit:</b>	71 F	71 F	_____	_____	_____	_____
<b>Soil Moisture:</b>	OPTIMUM	OPTIMUM	_____	_____	_____	_____
<b>% Cloud Cover:</b>	0	0	_____	_____	_____	_____

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		CROP STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Crop 1	Stage: GLYMA	_____	_____	_____	_____	_____	_____
	Stage Scale:	_____	√3	_____	_____	_____	_____
	Height, Unit:	_____	5 IN	_____	_____	_____	_____

		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: DEDTO	1-3"	NONE UP	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 2	Stage: AMAPA	1-3"	3-12"	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 3	Stage: AGRASS	1-3"	2-4"	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	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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PREPLANT BURNDOWN IN SOYBEANS WITH FIERCE + DICAMBA							AMAPA	DEDTO	AGRASS	GLYMA PLANT - STUNTING	GLYMA PLANT - STUNTING	AMAPA	
Trial ID: SB-04-17      Study Dir.: HUNT SANDERS/MIKE RIFFLE Location: PONDER FARM      Investigator: Eric P. Prostko							-----	-----	-----	-----	-----	-----	
Weed Code							CONTROL	CONTROL	CONTROL	STUNTING	STUNTING	CONTROL	
Crop Code							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Part Rated							May-23-17	May-23-17	May-23-17	May-23-17	Jun-5-17	Jun-5-17	
Rating Data Type													
Rating Unit													
Rating Date													
PRM Data Type													
# Subsamples, Dec.													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code	1	2	3	4	5	6
1	NTC							0.0 d	0.0 c	0.0 d	0.0 e	0.0 f	0.0 c
2	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A		77.5 c	100.0 a	92.5 bc	7.5 d	7.5 cde	93.8 b
	CLARITY	4	SL	16.0 oz/a	PPLNT	A							
	NIS			0.25 % v/v	PPLNT	A							
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B							
	CLARITY	4	SL	16.0 oz/a	POST	B							
	NIS			0.25 % v/v	POST	B							
3	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A		92.5 ab	100.0 a	90.0 c	13.8 ab	22.5 a	97.5 ab
	CLARITY	4	SL	16.0 oz/a	PPLNT	A							
	ZIDUA PRO	4.09	SC	6.0 oz/a	PPLNT	A							
	NIS			0.25 % v/v	PPLNT	A							
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B							
	CLARITY	4	SL	16.0 oz/a	POST	B							
	NIS			0.25 % v/v	POST	B							
4	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A		95.0 ab	100.0 a	96.3 ab	12.5 bc	10.0 bcd	97.5 ab
	CLARITY	4	SL	16.0 oz/a	PPLNT	A							
	VALOR EZ	4.0	SC	2.5 oz/a	PPLNT	A							
	NIS			0.25 % v/v	PPLNT	A							
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B							
	CLARITY	4	SL	16.0 oz/a	POST	B							
	NIS			0.25 % v/v	POST	B							
5	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A		98.8 ab	100.0 a	95.0 abc	16.3 a	18.8 a	100.0 a
	CLARITY	4	SL	16.0 oz/a	PPLNT	A							
	FIERCE	76	WG	3.0 oz/a	PPLNT	A							
	NIS			0.25 % v/v	PPLNT	A							
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B							
	CLARITY	4	SL	16.0 oz/a	POST	B							
	NIS			0.25 % v/v	POST	B							
6	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A		96.7 ab	100.0 a	96.7 ab	10.0 cd	6.7 de	96.7 ab
	CLARITY	4	SL	16.0 oz/a	PPLNT	A							
	FIERCE MTZ	2.64	SC	16.0 oz/a	PPLNT	A							
	NIS			0.25 % v/v	PPLNT	A							
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B							
	CLARITY	4	SL	16.0 oz/a	POST	B							
	NIS			0.25 % v/v	POST	B							
7	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A		96.3 ab	100.0 a	96.3 ab	11.3 bc	10.0 bcd	97.5 ab
	CLARITY	4	SL	16.0 oz/a	PPLNT	A							
	VALOR EZ	4	SC	2.5 oz/a	PPLNT	A							
	TRICOR	4	L	4.0 oz/a	PPLNT	A							
	NIS			0.25 % v/v	PPLNT	A							
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B							
	CLARITY	4	SL	16.0 oz/a	POST	B							
	NIS			0.25 % v/v	POST	B							
8	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	PPLNT	A		93.8 ab	100.0 a	90.0 c	10.0 cd	8.8 b-e	95.0 b
	CLARITY	4	SL	16.0 oz/a	PPLNT	A							
	AUTHORITY MTZ	45	WG	11.0 oz/a	PPLNT	A							
	NIS			0.25 % v/v	PPLNT	A							
	ROUNDUP P-MAX	5.5	SL	32.0 oz/a	POST	B							
	CLARITY	4	SL	16.0 oz/a	POST	B							
	NIS			0.25 % v/v	POST	B							

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.  
 Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16  
 Could not calculate LSD (% mean diff) for columns 11,13,14 because error mean square = 0.

# University of Georgia

Weed Code							AMAPA	DEDTO	AGRASS	-----	-----	AMAPA
Crop Code							-----	-----	-----	GLYMA	GLYMA	-----
Part Rated										PLANT -	PLANT -	
Rating Data Type							CONTROL	CONTROL	CONTROL	STUNTING	STUNTING	CONTROL
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date							May-23-17	May-23-17	May-23-17	May-23-17	Jun-5-17	Jun-5-17
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
9	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	PPLNT A		88.8 b	100.0 a	93.8 bc	12.5 bc	11.3 bc	97.5 ab
	AUTHORITY ELITE NIS	7	SC	26.0 oz/a	PPLNT A							
	ROUNDUP P-MAX CLARITY NIS	5.5	SL	32.0 oz/a	POST B							
		4	SL	16.0 oz/a	POST B							
				0.25 % v/v	POST B							
10	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	PPLNT A		88.8 b	100.0 a	96.3 ab	10.0 cd	5.0 e	96.3 ab
	VALOR EZ NIS	4	SC	2.0 oz/a	PPLNT A							
	ROUNDUP P-MAX CLARITY NIS	5.5	SL	32.0 oz/a	POST B							
		4	SL	16.0 oz/a	POST B							
				0.25 % v/v	POST B							
11	GRAMOXONE TRICOR	2	SL	48.0 oz/a	PPLNT A		100.0 a	98.8 b	100.0 a	10.0 cd	12.5 b	100.0 a
	NIS	4	F	8.0 oz/a	PPLNT A							
	ROUNDUP P-MAX CLARITY NIS	5.5	SL	32.0 oz/a	POST B							
		4	SL	16.0 oz/a	POST B							
				0.25 % v/v	POST B							
12	NTC						0.0 d	0.0 c	0.0 d	0.0 e	0.0 f	0.0 c
LSD P=.10							10.71	0.88	5.35	3.15	3.91	4.97
Standard Deviation							8.94	0.73	4.46	2.63	3.26	4.15
CV							11.56	0.88	5.66	27.75	34.68	5.12
Grand Mean							77.33	83.23	78.89	9.48	9.41	80.97
Bartlett's X2							18.985	0.0	2.814	3.024	5.891	6.312
P(Bartlett's X2)							0.015*	.	0.945	0.696	0.552	0.504
Replicate F							1.472	0.970	2.161	0.477	3.353	1.051
Replicate Prob(F)							0.2407	0.4191	0.1119	0.7006	0.0310	0.3837
Treatment F							67.054	11256.508	274.262	14.203	16.402	333.637
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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.  
 Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16  
 Could not calculate LSD (% mean diff) for columns 11,13,14 because error mean square = 0.

# University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						DEDTO ----- CONTROL PERCENT Jun-5-17	AGRASS ----- CONTROL PERCENT Jun-5-17	GLYMA ----- PLANT - STUNTING PERCENT Jun-19-17	AMAPA ----- CONTROL PERCENT Jun-19-17	DEDTO ----- CONTROL PERCENT Jun-19-17	AGRASS ----- CONTROL PERCENT Jun-19-17		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	7	8	9	10	11	12
1	NTC							0.0 c	0.0 f	0.0 c	0.0 b	0.0 b	0.0 c
2	ROUNDUP P-MAX CLARITY NIS ROUNDUP P-MAX CLARITY NIS	5.5 4	SL SL	32.0 16.0	oz/a oz/a	PPLNT PPLNT	A A	96.3 b	57.5 e	0.0 c	97.5 a	100.0 a	97.5 b
					0.25 % v/v	PPLNT	A						
		5.5	SL	32.0	oz/a	POST	B						
		4	SL	16.0	oz/a	POST	B						
					0.25 % v/v	POST	B						
3	ROUNDUP P-MAX CLARITY ZIDUA PRO NIS ROUNDUP P-MAX CLARITY NIS	5.5 4	SL SL	32.0 16.0	oz/a oz/a	PPLNT PPLNT	A A	100.0 a	98.8 a	35.0 a	98.8 a	100.0 a	100.0 a
		4.09	SC	6.0	oz/a	PPLNT	A						
					0.25 % v/v	PPLNT	A						
		5.5	SL	32.0	oz/a	POST	B						
		4	SL	16.0	oz/a	POST	B						
					0.25 % v/v	POST	B						
4	ROUNDUP P-MAX CLARITY VALOR EZ NIS ROUNDUP P-MAX CLARITY NIS	5.5 4	SL SL	32.0 16.0	oz/a oz/a	PPLNT PPLNT	A A	100.0 a	90.0 bc	0.0 c	98.8 a	100.0 a	100.0 a
		4.0	SC	2.5	oz/a	PPLNT	A						
					0.25 % v/v	PPLNT	A						
		5.5	SL	32.0	oz/a	POST	B						
		4	SL	16.0	oz/a	POST	B						
					0.25 % v/v	POST	B						
5	ROUNDUP P-MAX CLARITY FIERCE NIS ROUNDUP P-MAX CLARITY NIS	5.5 4	SL SL	32.0 16.0	oz/a oz/a	PPLNT PPLNT	A A	100.0 a	95.0 ab	12.5 b	100.0 a	100.0 a	100.0 a
		76	WG	3.0	oz/a	PPLNT	A						
					0.25 % v/v	PPLNT	A						
		5.5	SL	32.0	oz/a	POST	B						
		4	SL	16.0	oz/a	POST	B						
					0.25 % v/v	POST	B						
6	ROUNDUP P-MAX CLARITY FIERCE MTZ NIS ROUNDUP P-MAX CLARITY NIS	5.5 4	SL SL	32.0 16.0	oz/a oz/a	PPLNT PPLNT	A A	100.0 a	88.3 bc	0.0 c	98.3 a	100.0 a	100.0 a
		2.64	SC	16.0	oz/a	PPLNT	A						
					0.25 % v/v	PPLNT	A						
		5.5	SL	32.0	oz/a	POST	B						
		4	SL	16.0	oz/a	POST	B						
					0.25 % v/v	POST	B						
7	ROUNDUP P-MAX CLARITY VALOR EZ TRICOR NIS ROUNDUP P-MAX CLARITY NIS	5.5 4	SL SL	32.0 16.0	oz/a oz/a	PPLNT PPLNT	A A	100.0 a	91.3 abc	0.0 c	100.0 a	100.0 a	100.0 a
		4	SC	2.5	oz/a	PPLNT	A						
		4	L	4.0	oz/a	PPLNT	A						
					0.25 % v/v	PPLNT	A						
		5.5	SL	32.0	oz/a	POST	B						
		4	SL	16.0	oz/a	POST	B						
					0.25 % v/v	POST	B						
8	ROUNDUP P-MAX CLARITY AUTHORITY MTZ NIS ROUNDUP P-MAX CLARITY NIS	5.5 4	SL SL	32.0 16.0	oz/a oz/a	PPLNT PPLNT	A A	98.8 ab	78.8 d	0.0 c	97.5 a	100.0 a	100.0 a
		45	WG	11.0	oz/a	PPLNT	A						
					0.25 % v/v	PPLNT	A						
		5.5	SL	32.0	oz/a	POST	B						
		4	SL	16.0	oz/a	POST	B						
					0.25 % v/v	POST	B						

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 Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16  
 Could not calculate LSD (% mean diff) for columns 11,13,14 because error mean square = 0.

# University of Georgia

Weed Code							DEDTO	AGRASS	GLYMA	AMAPA	DEDTO	AGRASS	
Crop Code							-----	-----	-----	-----	-----	-----	
Part Rated													
Rating Data Type							CONTROL	CONTROL	STUNTING	CONTROL	CONTROL	CONTROL	
Rating Unit							PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date							Jun-5-17	Jun-5-17	Jun-19-17	Jun-19-17	Jun-19-17	Jun-19-17	
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
9	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT A		97.5 ab	87.5 bc	2.5 c	100.0 a	100.0 a	100.0 a
	CLARITY	4	SL	16.0	oz/a	PPLNT A							
	AUTHORITY ELITE	7	SC	26.0	oz/a	PPLNT A							
	NIS			0.25	% v/v	PPLNT A							
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST B							
	CLARITY	4	SL	16.0	oz/a	POST B							
	NIS			0.25	% v/v	POST B							
10	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT A		100.0 a	86.3 cd	0.0 c	100.0 a	100.0 a	100.0 a
	CLARITY	4	SL	16.0	oz/a	PPLNT A							
	VALOR EZ	4	SC	2.0	oz/a	PPLNT A							
	NIS			0.25	% v/v	PPLNT A							
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST B							
	CLARITY	4	SL	16.0	oz/a	POST B							
	NIS			0.25	% v/v	POST B							
11	GRAMOXONE	2	SL	48.0	oz/a	PPLNT A		98.8 ab	93.8 abc	0.0 c	100.0 a	100.0 a	100.0 a
	TRICOR	4	F	8.0	oz/a	PPLNT A							
	NIS			0.25	% v/v	PPLNT A							
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST B							
	CLARITY	4	SL	16.0	oz/a	POST B							
	NIS			0.25	% v/v	POST B							
12	NTC							0.0 c	0.0 f	0.0 c	0.0 b	0.0 b	0.0 c
LSD P=.10								3.03	8.10	3.23	2.58	.	1.01
Standard Deviation								2.53	6.76	2.70	2.15	0.00	0.85
CV								3.06	9.36	64.81	2.6	0.0	1.02
Grand Mean								82.60	72.26	4.17	82.57	83.33	83.13
Bartlett's X2								5.854	14.917	0.083	2.223	0.0	0.0
P(Bartlett's X2)								0.119	0.093	0.959	0.695	.	.
Replicate F								1.384	0.346	0.762	0.451	0.000	0.970
Replicate Prob(F)								0.2654	0.7926	0.5238	0.7186	1.0000	0.4191
Treatment F								931.879	109.325	58.805	1287.999	0.000	8423.406
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	1.0000	0.0001

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 Could not calculate LSD (% mean diff) for columns 11,13,14 because error mean square = 0.



# University of Georgia

Weed Code						AMAPA	DEDTO	GLYMA	GLYMA		
Crop Code						-----	-----	-----	-----		
Part Rated								PLOT -	PLOT -		
Rating Data Type						CONTROL	CONTROL	YIELD	YIELD		
Rating Unit						PERCENT	PERCENT	LBS/PLOT	BU/A		
Rating Date						Jul-24-17	Jul-24-17	Oct-11-17	Oct-11-17		
PRM Data Type									TY1		
# Subsamples, Dec.								- 1	- 1		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	13	14	15	16
1	NTC							0.0 b	0.0 b	0.0 c	0.0 c
2	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	PPLNT A			100.0 a	100.0 a	7.1 ab	39.8 ab
	NIS	4	SL	16.0 oz/a	PPLNT A						
	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	POST B						
	NIS	4	SL	16.0 oz/a	POST B						
				0.25 % v/v	POST B						
3	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	PPLNT A			100.0 a	100.0 a	5.8 b	32.5 b
	ZIDUA PRO	4.09	SC	6.0 oz/a	PPLNT A						
	NIS			0.25 % v/v	PPLNT A						
	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	POST B						
	NIS	4	SL	16.0 oz/a	POST B						
				0.25 % v/v	POST B						
4	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	PPLNT A			100.0 a	100.0 a	7.4 a	41.6 a
	VALOR EZ	4.0	SC	2.5 oz/a	PPLNT A						
	NIS			0.25 % v/v	PPLNT A						
	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	POST B						
	NIS	4	SL	16.0 oz/a	POST B						
				0.25 % v/v	POST B						
5	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	PPLNT A			100.0 a	100.0 a	7.2 a	40.7 a
	FIERCE	76	WG	3.0 oz/a	PPLNT A						
	NIS			0.25 % v/v	PPLNT A						
	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	POST B						
	NIS	4	SL	16.0 oz/a	POST B						
				0.25 % v/v	POST B						
6	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	PPLNT A			100.0 a	100.0 a	7.5 a	42.2 a
	FIERCE MTZ	2.64	SC	16.0 oz/a	PPLNT A						
	NIS			0.25 % v/v	PPLNT A						
	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	POST B						
	NIS	4	SL	16.0 oz/a	POST B						
				0.25 % v/v	POST B						
7	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	PPLNT A			100.0 a	100.0 a	6.9 ab	39.0 ab
	VALOR EZ	4	SC	2.5 oz/a	PPLNT A						
	TRICOR	4	L	4.0 oz/a	PPLNT A						
	NIS			0.25 % v/v	PPLNT A						
	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	POST B						
	NIS	4	SL	16.0 oz/a	POST B						
				0.25 % v/v	POST B						
8	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	PPLNT A			100.0 a	100.0 a	7.5 a	42.3 a
	AUTHORITY MTZ	45	WG	11.0 oz/a	PPLNT A						
	NIS			0.25 % v/v	PPLNT A						
	ROUNDUP P-MAX CLARITY	5.5	SL	32.0 oz/a	POST B						
	NIS	4	SL	16.0 oz/a	POST B						
				0.25 % v/v	POST B						

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 Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16  
 Could not calculate LSD (% mean diff) for columns 11,13,14 because error mean square = 0.

# University of Georgia

Weed Code							AMAPA	DEDTO	----	----	
Crop Code							----	----	GLYMA	GLYMA	
Part Rated									PLOT -	PLOT -	
Rating Data Type							CONTROL	CONTROL	YIELD	YIELD	
Rating Unit							PERCENT	PERCENT	LBS/PLOT	BU/A	
Rating Date							Jul-24-17	Jul-24-17	Oct-11-17	Oct-11-17	
PRM Data Type										TY1	
# Subsamples, Dec.									- 1	- 1	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	13	14	15	16
9	ROUNDUP P-MAX CLARITY	5.5	SL	32.0	oz/a	PPLNT A		100.0 a	100.0 a	6.3 ab	35.4 ab
	AUTHORITY ELITE NIS	7	SC	26.0	oz/a	PPLNT A					
	ROUNDUP P-MAX CLARITY NIS	5.5	SL	32.0	oz/a	POST B					
		4	SL	16.0	oz/a	POST B					
				0.25	% v/v	POST B					
10	ROUNDUP P-MAX CLARITY	5.5	SL	32.0	oz/a	PPLNT A		100.0 a	100.0 a	6.9 ab	38.5 ab
	VALOR EZ NIS	4	SC	2.0	oz/a	PPLNT A					
	ROUNDUP P-MAX CLARITY NIS	5.5	SL	32.0	oz/a	POST B					
		4	SL	16.0	oz/a	POST B					
				0.25	% v/v	POST B					
11	GRAMOXONE TRICOR	2	SL	48.0	oz/a	PPLNT A		100.0 a	100.0 a	6.7 ab	37.4 ab
	NIS	4	F	8.0	oz/a	PPLNT A					
	ROUNDUP P-MAX CLARITY NIS	5.5	SL	32.0	oz/a	POST B					
		4	SL	16.0	oz/a	POST B					
				0.25	% v/v	POST B					
12	NTC							0.0 b	0.0 b	0.0 c	0.0 c
LSD P=.10								.	.	1.43	8.01
Standard Deviation								0.00	0.00	1.19	6.67
CV								0.0	0.0	20.56	20.56
Grand Mean								83.33	83.33	5.77	32.43
Bartlett's X2								0.0	0.0	2.684	2.684
P(Bartlett's X2)								.	.	0.976	0.976
Replicate F								0.000	0.000	0.574	0.574
Replicate Prob(F)								1.0000	1.0000	0.6365	0.6365
Treatment F								0.000	0.000	21.369	21.369
Treatment Prob(F)								1.0000	1.0000	0.0001	0.0001

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.  
 Missing data estimates are included in columns: Average=1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16  
 Could not calculate LSD (% mean diff) for columns 11,13,14 because error mean square = 0.

# University of Georgia

PREPLANT BURNDOWN IN SOYBEANS WITH  
FIERCE + DICAMBA  
Trial ID: SB-04-17 Study Dir.: HUNT SANDERS/MIKE RIFFLE  
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code  
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.  
DEDTO = BEGGARWÉED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.  
Part Rated  
PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)  
PRM Data Type  
TY1 = 5.621076\*[15]



# University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						AMAPA ----- CONTROL PERCENT May-23-17	DEDTO ----- CONTROL PERCENT May-23-17	AGRASS ----- CONTROL PERCENT May-23-17	----- GLYMA PLANT - STUNTING PERCENT May-23-17	----- GLYMA PLANT - STUNTING PERCENT Jun-5-17	AMAPA ----- CONTROL PERCENT Jun-5-17	
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg Code Plot	1	2	3	4	5	6	
8 ROUNDUP P-MAX CLARITY AUTHORITY MTZ NIS ROUNDUP P-MAX CLARITY NIS	5.5 4 45 5.5 4	SL SL WG SL SL	32.0 16.0 11.0 32.0 16.0	oz/a oz/a oz/a % v/v oz/a	PPLNT A PPLNT A PPLNT A PPLNT A POST B POST B POST B	108 211 312 406	95.0 95.0 85.0 100.0	100.0 100.0 100.0 100.0	95.0 85.0 90.0 90.0	10.0 10.0 10.0 10.0	10.0 10.0 15.0 0.0	95.0 90.0 95.0 100.0
Mean =						93.8	100.0	90.0	10.0	8.8	95.0	
9 ROUNDUP P-MAX CLARITY AUTHORITY ELITE NIS ROUNDUP P-MAX CLARITY NIS	5.5 4 7 5.5 4	SL SL SC SL SL	32.0 16.0 26.0 32.0 16.0	oz/a oz/a oz/a % v/v oz/a	PPLNT A PPLNT A PPLNT A PPLNT A POST B POST B POST B	109 205 308 409	95.0 65.0 100.0 95.0	100.0 100.0 100.0 100.0	90.0 95.0 100.0 90.0	15.0 10.0 15.0 10.0	10.0 10.0 15.0 10.0	100.0 90.0 100.0 100.0
Mean =						88.8	100.0	93.8	12.5	11.3	97.5	
10 ROUNDUP P-MAX CLARITY VALOR EZ NIS ROUNDUP P-MAX CLARITY NIS	5.5 4 4 5.5 4	SL SL SC SL SL	32.0 16.0 2.0 32.0 16.0	oz/a oz/a oz/a % v/v oz/a	PPLNT A PPLNT A PPLNT A PPLNT A POST B POST B POST B	110 206 301 412	95.0 95.0 65.0 100.0	100.0 100.0 100.0 100.0	90.0 95.0 100.0 100.0	10.0 10.0 10.0 10.0	0.0 10.0 10.0 0.0	100.0 100.0 85.0 100.0
Mean =						88.8	100.0	96.3	10.0	5.0	96.3	
11 GRAMOXONE TRICOR NIS ROUNDUP P-MAX CLARITY NIS	2 4 5.5 4	SL F SL SL	48.0 8.0 0.25 32.0 16.0	oz/a oz/a % v/v oz/a oz/a	PPLNT A PPLNT A PPLNT A POST B POST B POST B	111 204 309 402	100.0 100.0 100.0 100.0	100.0 95.0 100.0 100.0	100.0 100.0 100.0 100.0	10.0 10.0 10.0 10.0	15.0 15.0 10.0 10.0	100.0 100.0 100.0 100.0
Mean =						100.0	98.8	100.0	10.0	12.5	100.0	
12 NTC						112 201 305 410	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 0.0	0.0 0.0 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	

# University of Georgia

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date PRM Data Type # Subsamples, Dec.						DEDTO ----- CONTROL PERCENT Jun-5-17	AGRASS ----- CONTROL PERCENT Jun-5-17	GLYMA PLANT - STUNTING PERCENT Jun-19-17	AMAPA ----- CONTROL PERCENT Jun-19-17	DEDTO ----- CONTROL PERCENT Jun-19-17	AGRASS ----- CONTROL PERCENT Jun-19-17		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code	Plot	7	8	9	10	11	12
1	NTC						101 202 302 411 Mean =	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	0.0 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
2	ROUNDUP P-MAX CLARITY NIS ROUNDUP P-MAX CLARITY NIS	5.5 4	SL SL	32.0 oz/a 16.0 oz/a 0.25 % v/v 32.0 oz/a 16.0 oz/a 0.25 % v/v	PPLNT A PPLNT A PPLNT A POST B POST B POST B		102 209 304 405 Mean =	100.0 85.0 100.0 100.0 96.3	50.0 65.0 65.0 50.0 57.5	0.0 0.0 0.0 0.0 0.0	90.0 100.0 100.0 100.0 97.5	100.0 100.0 100.0 100.0 100.0	95.0 95.0 100.0 100.0 97.5
3	ROUNDUP P-MAX CLARITY ZIDUA PRO NIS ROUNDUP P-MAX CLARITY NIS	5.5 4 4.09	SL SL SC	32.0 oz/a 16.0 oz/a 6.0 oz/a 0.25 % v/v 32.0 oz/a 16.0 oz/a 0.25 % v/v	PPLNT A PPLNT A PPLNT A PPLNT A POST B POST B POST B		103 212 311 403 Mean =	100.0 100.0 100.0 100.0 100.0	100.0 100.0 95.0 100.0 98.8	40.0 30.0 30.0 40.0 35.0	100.0 100.0 95.0 100.0 98.8	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
4	ROUNDUP P-MAX CLARITY VALOR EZ NIS ROUNDUP P-MAX CLARITY NIS	5.5 4 4.0	SL SL SC	32.0 oz/a 16.0 oz/a 2.5 oz/a 0.25 % v/v 32.0 oz/a 16.0 oz/a 0.25 % v/v	PPLNT A PPLNT A PPLNT A PPLNT A POST B POST B POST B		104 203 310 407 Mean =	100.0 100.0 100.0 100.0 100.0	85.0 85.0 95.0 95.0 90.0	0.0 0.0 0.0 0.0 0.0	100.0 95.0 100.0 100.0 98.8	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
5	ROUNDUP P-MAX CLARITY FIERCE NIS ROUNDUP P-MAX CLARITY NIS	5.5 4 76	SL SL WG	32.0 oz/a 16.0 oz/a 3.0 oz/a 0.25 % v/v 32.0 oz/a 16.0 oz/a 0.25 % v/v	PPLNT A PPLNT A PPLNT A PPLNT A POST B POST B POST B		105 207 307 404 Mean =	100.0 100.0 100.0 100.0 100.0	95.0 85.0 100.0 100.0 95.0	10.0 10.0 20.0 10.0 12.5	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
6	ROUNDUP P-MAX CLARITY FIERCE MTZ NIS ROUNDUP P-MAX CLARITY NIS	5.5 4 2.64	SL SL SC	32.0 oz/a 16.0 oz/a 16.0 oz/a 0.25 % v/v 32.0 oz/a 16.0 oz/a 0.25 % v/v	PPLNT A PPLNT A PPLNT A PPLNT A POST B POST B POST B		106 208 306 401 Mean =	100.0 100.0 100.0 100.0 100.0	90.0 100.0 100.0 75.0 88.3	0.0 0.0 0.0 0.0 0.0	100.0 100.0 100.0 95.0 98.3	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0
7	ROUNDUP P-MAX CLARITY VALOR EZ TRICOR NIS ROUNDUP P-MAX CLARITY NIS	5.5 4 4 4	SL SL SC L	32.0 oz/a 16.0 oz/a 2.5 oz/a 4.0 oz/a 0.25 % v/v 32.0 oz/a 16.0 oz/a 0.25 % v/v	PPLNT A PPLNT A PPLNT A PPLNT A PPLNT A POST B POST B POST B		107 210 303 408 Mean =	100.0 100.0 100.0 100.0 100.0	90.0 90.0 90.0 95.0 91.3	0.0 0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0	100.0 100.0 100.0 100.0 100.0

# University of Georgia

Weed Code						DEDTO	AGRASS	GLYMA	AMAPA	DEDTO	AGRASS			
Crop Code						----	----	----	----	----	----			
Part Rated								PLANT -						
Rating Data Type						CONTROL	CONTROL	STUNTING	CONTROL	CONTROL	CONTROL			
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT			
Rating Date						Jun-5-17	Jun-5-17	Jun-19-17	Jun-19-17	Jun-19-17	Jun-19-17			
PRM Data Type														
# Subsamples, Dec.														
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	7	8	9	10	11	12
8	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	108	95.0	75.0	0.0	95.0	100.0	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	211	100.0	80.0	0.0	95.0	100.0	100.0
	AUTHORITY MTZ	45	WG	11.0	oz/a	PPLNT	A	312	100.0	75.0	0.0	100.0	100.0	100.0
	NIS			0.25	% v/v	PPLNT	A	406	100.0	85.0	0.0	100.0	100.0	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B							
	CLARITY	4	SL	16.0	oz/a	POST	B							
	NIS			0.25	% v/v	POST	B							
						Mean =			98.8	78.8	0.0	97.5	100.0	100.0
9	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	109	95.0	90.0	0.0	100.0	100.0	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	205	95.0	90.0	0.0	100.0	100.0	100.0
	AUTHORITY ELITE	7	SC	26.0	oz/a	PPLNT	A	308	100.0	85.0	0.0	100.0	100.0	100.0
	NIS			0.25	% v/v	PPLNT	A	409	100.0	85.0	10.0	100.0	100.0	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B							
	CLARITY	4	SL	16.0	oz/a	POST	B							
	NIS			0.25	% v/v	POST	B							
						Mean =			97.5	87.5	2.5	100.0	100.0	100.0
10	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	110	100.0	90.0	0.0	100.0	100.0	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	206	100.0	85.0	0.0	100.0	100.0	100.0
	VALOR EZ	4	SC	2.0	oz/a	PPLNT	A	301	100.0	70.0	0.0	100.0	100.0	100.0
	NIS			0.25	% v/v	PPLNT	A	412	100.0	100.0	0.0	100.0	100.0	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B							
	CLARITY	4	SL	16.0	oz/a	POST	B							
	NIS			0.25	% v/v	POST	B							
						Mean =			100.0	86.3	0.0	100.0	100.0	100.0
11	GRAMOXONE	2	SL	48.0	oz/a	PPLNT	A	111	95.0	95.0	0.0	100.0	100.0	100.0
	TRICOR	4	F	8.0	oz/a	PPLNT	A	204	100.0	85.0	0.0	100.0	100.0	100.0
	NIS			0.25	% v/v	PPLNT	A	309	100.0	95.0	0.0	100.0	100.0	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	402	100.0	100.0	0.0	100.0	100.0	100.0
	CLARITY	4	SL	16.0	oz/a	POST	B							
	NIS			0.25	% v/v	POST	B							
						Mean =			98.8	93.8	0.0	100.0	100.0	100.0
12	NTC							112	0.0	0.0	0.0	0.0	0.0	0.0
								201	0.0	0.0	0.0	0.0	0.0	0.0
								305	0.0	0.0	0.0	0.0	0.0	0.0
								410	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

# University of Georgia

Weed Code						AMAPA	DEDTO	GLYMA	GLYMA
Crop Code						-----	-----	-----	-----
Part Rated								PLOT -	PLOT -
Rating Data Type						CONTROL	CONTROL	YIELD	YIELD
Rating Unit						PERCENT	PERCENT	LBS/PLOT	BU/A
Rating Date						Jul-24-17	Jul-24-17	Oct-11-17	Oct-11-17
PRM Data Type									TY1
# Subsamples, Dec.								- 1	- 1
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	
1	NTC							101	0.0
								202	0.0
								302	0.0
								411	0.0
								Mean =	0.0
2	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	102	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	209	100.0
	NIS			0.25	% v/v	PPLNT	A	304	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	405	100.0
	CLARITY	4	SL	16.0	oz/a	POST	B		
	NIS			0.25	% v/v	POST	B		
								Mean =	100.0
3	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	103	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	212	100.0
	ZIDUA PRO	4.09	SC	6.0	oz/a	PPLNT	A	311	100.0
	NIS			0.25	% v/v	PPLNT	A	403	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B		
	CLARITY	4	SL	16.0	oz/a	POST	B		
	NIS			0.25	% v/v	POST	B		
								Mean =	100.0
4	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	104	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	203	100.0
	VALOR EZ	4.0	SC	2.5	oz/a	PPLNT	A	310	100.0
	NIS			0.25	% v/v	PPLNT	A	407	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B		
	CLARITY	4	SL	16.0	oz/a	POST	B		
	NIS			0.25	% v/v	POST	B		
								Mean =	100.0
5	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	105	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	207	100.0
	FIERCE	76	WG	3.0	oz/a	PPLNT	A	307	100.0
	NIS			0.25	% v/v	PPLNT	A	404	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B		
	CLARITY	4	SL	16.0	oz/a	POST	B		
	NIS			0.25	% v/v	POST	B		
								Mean =	100.0
6	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	106	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	208	100.0
	FIERCE MTZ	2.64	SC	16.0	oz/a	PPLNT	A	306	100.0
	NIS			0.25	% v/v	PPLNT	A	401	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B		
	CLARITY	4	SL	16.0	oz/a	POST	B		
	NIS			0.25	% v/v	POST	B		
								Mean =	100.0
7	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	107	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	210	100.0
	VALOR EZ	4	SC	2.5	oz/a	PPLNT	A	303	100.0
	TRICOR	4	L	4.0	oz/a	PPLNT	A	408	100.0
	NIS			0.25	% v/v	PPLNT	A		
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B		
	CLARITY	4	SL	16.0	oz/a	POST	B		
	NIS			0.25	% v/v	POST	B		
								Mean =	100.0



# University of Georgia

Weed Code						AMAPA	DEDTO	----	----
Crop Code						----	----	GLYMA	GLYMA
Part Rated								PLOT -	PLOT -
Rating Data Type						CONTROL	CONTROL	YIELD	YIELD
Rating Unit						PERCENT	PERCENT	LBS/PLOT	BU/A
Rating Date						Jul-24-17	Jul-24-17	Oct-11-17	Oct-11-17
PRM Data Type									TY1
# Subsamples, Dec.								- 1	- 1
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	
8	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	108	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	211	100.0
	AUTHORITY MTZ	45	WG	11.0	oz/a	PPLNT	A	312	100.0
	NIS			0.25	% v/v	PPLNT	A	406	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B		
	CLARITY	4	SL	16.0	oz/a	POST	B		
	NIS			0.25	% v/v	POST	B		
						Mean =			
								100.0	100.0
								7.5	42.3
9	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	109	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	205	100.0
	AUTHORITY ELITE	7	SC	26.0	oz/a	PPLNT	A	308	100.0
	NIS			0.25	% v/v	PPLNT	A	409	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B		
	CLARITY	4	SL	16.0	oz/a	POST	B		
	NIS			0.25	% v/v	POST	B		
						Mean =			
								100.0	100.0
								6.3	35.4
10	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	PPLNT	A	110	100.0
	CLARITY	4	SL	16.0	oz/a	PPLNT	A	206	100.0
	VALOR EZ	4	SC	2.0	oz/a	PPLNT	A	301	100.0
	NIS			0.25	% v/v	PPLNT	A	412	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B		
	CLARITY	4	SL	16.0	oz/a	POST	B		
	NIS			0.25	% v/v	POST	B		
						Mean =			
								100.0	100.0
								6.9	38.5
11	GRAMOXONE	2	SL	48.0	oz/a	PPLNT	A	111	100.0
	TRICOR	4	F	8.0	oz/a	PPLNT	A	204	100.0
	NIS			0.25	% v/v	PPLNT	A	309	100.0
	ROUNDUP P-MAX	5.5	SL	32.0	oz/a	POST	B	402	100.0
	CLARITY	4	SL	16.0	oz/a	POST	B		
	NIS			0.25	% v/v	POST	B		
						Mean =			
								100.0	100.0
								6.7	37.4
12	NTC							112	0.0
								201	0.0
								305	0.0
								410	0.0
						Mean =		0.0	0.0
								0.0	0.0
								0.0	0.0
								0.0	0.0
								0.0	0.0

# University of Georgia

PREPLANT BURNDOWN IN SOYBEANS WITH  
FIERCE + DICAMBA  
Trial ID: SB-04-17 Study Dir.: HUNT SANDERS/MIKE RIFFLE  
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code  
AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.  
DEDTO = BEGGARWÉED, FLORIDA / DESMODIUM TORTUOSUM (SWEET) DC.  
Part Rated  
PLANT = PLANT / PLANT BIOMASS (includes Shrub, Tree, Turf)  
PRM Data Type  
TY1 = 5.621076\*[15]