

# University of Georgia

PREPLANT BURNDOWN TEST - 2023

Trial ID: BD-01-23      Study Dir.: SCOTT AKIN/JACOB SMITH  
 Location: TIFT COUNTY      Investigator: Eric P. Prostko

Reps: 4      Plots: 8 by 25 feet  
 Appl. Amount: 15 GAL/AC      Mix Size: 1.5 L (total for 4 plots; minimum=1.043 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC								-	101	218	320	413
2	ROUNDUP POWERMAX3 AATREX	5.88 4	SL L	22.0 32.0	oz/a oz/a	POST POST	A A	17.19 mL/mx 25.0 mL/mx	1457.8 mL	102	204	302	403
3	GRAMOXONE AATREX INDUCE	2 4	SL L	48.0 32.0	oz/a oz/a	POST POST	A A	37.5 mL/mx 25.0 mL/mx 3.75 mL/mx	1433.8 mL	103	207	319	406
4	ROUNDUP POWERMAX3 ENLIST ONE VALOR EZ	5.88 3.8 4	SL SL SC	22.0 16.0 2.0	oz/a oz/a oz/a	POST POST POST	A A A	17.19 mL/mx 12.5 mL/mx 1.562 mL/mx	1468.7 mL	104	217	307	408
5	ROUNDUP POWERMAX3 REVITON MSO	5.88 2.83	SL SC	22.0 1.0	oz/a oz/a	POST POST	A A	17.19 mL/mx 0.7812 mL/mx 15.0 mL/mx	1467 mL	105	216	310	418
6	ROUNDUP POWERMAX3 REVITON VALOR EZ MSO	5.88 2.83 4	SL SC SC	22.0 1.0 2.0	oz/a oz/a oz/a	POST POST POST	A A A	17.19 mL/mx 0.7812 mL/mx 1.562 mL/mx 15.0 mL/mx	1465.5 mL	106	205	313	417
7	ROUNDUP POWERMAX3 REVITON ENLIST ONE MSO	5.88 2.83 3.8	SL SC SL	22.0 1.0 16.0	oz/a oz/a oz/a	POST POST POST	A A A	17.19 mL/mx 0.7812 mL/mx 12.5 mL/mx 15.0 mL/mx	1454.5 mL	107	209	317	410
8	ROUNDUP POWERMAX3 REVITON ENLIST ONE VALOR EZ MSO	5.88 2.83 3.8 4	SL SC SL SC	22.0 1.0 16.0 2.0	oz/a oz/a oz/a oz/a	POST POST POST POST	A A A A	17.19 mL/mx 0.7812 mL/mx 12.5 mL/mx 1.562 mL/mx 15.0 mL/mx	1453 mL	108	214	309	420
9	ROUNDUP POWERMAX3 AMSOL	5.88	SL	22.0	oz/a	POST	A	17.19 mL/mx 30.0 mL/mx	1452.8 mL	109	215	314	407
10	GRAMOXONE INDUCE	3	SL	32.0	oz/a	POST	A	25.0 mL/mx 3.75 mL/mx	1471.3 mL	110	206	318	416
11	ENLIST ONE ROUNDUP POWERMAX3 AMSOL MSO	3.8 5.88	SL SL	32.0 22.0	oz/a oz/a	POST POST	A A	25.0 mL/mx 17.19 mL/mx 30.0 mL/mx 15.0 mL/mx	1412.8 mL	111	220	304	402
12	ENGENIA ROUNDUP POWERMAX3 AEGOS INDUCE	5 5.88 5.8	SL SL SL	12.8 22.0 8.0	oz/a oz/a oz/a	POST POST POST	A A A	10.0 mL/mx 17.19 mL/mx 6.25 mL/mx 3.75 mL/mx	1462.8 mL	112	213	312	414
13	SHARPEN ROUNDUP POWERMAX3 AMSOL MSO	2.85 5.88	SC SL	1.0 22.0	oz/a oz/a	POST POST	A A	0.7812 mL/mx 17.19 mL/mx 30.0 mL/mx 15.0 mL/mx	1437 mL	113	202	308	411
14	VORAXOR (BAS85100H) ROUNDUP POWERMAX3 AMSOL MSO	3.13 5.88	SC SL	1.0 22.0	oz/a oz/a	POST POST	A A	0.7812 mL/mx 17.19 mL/mx 30.0 mL/mx 15.0 mL/mx	1437 mL	114	208	303	419
15	VORAXOR (BAS85100H) ROUNDUP POWERMAX3 AMSOL MSO	3.13 5.88	SC SL	1.4 22.0	oz/a oz/a	POST POST	A A	1.094 mL/mx 17.19 mL/mx 30.0 mL/mx 15.0 mL/mx	1436.7 mL	115	219	316	412
16	REVITON ROUNDUP POWERMAX3 AMSOL MSO	2.83 5.88	SC SL	1.0 22.0	oz/a oz/a	POST POST	A A	0.7812 mL/mx 17.19 mL/mx 30.0 mL/mx 15.0 mL/mx	1437 mL	116	212	305	409

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 Appl. Amount: 15 GAL/AC      Mix Size: 1.5 L (total for 4 plots; minimum=1.043 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3	Rep 4
17	GRAMOXONE	2	SL	48.0	oz/a	POST	A	37.5 mL/mx	1445.9 mL	117	203	306	404
	ENGENIA	5	SL	6.4	oz/a	POST	A	5.0 mL/mx					
	VALOR EZ	4	SC	2.0	oz/a	POST	A	1.562 mL/mx					
	AEGOS	5.8	SL	8.0	oz/a	POST	A	6.25 mL/mx					
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
18	GRAMOXONE	2	SL	48.0	oz/a	POST	A	37.5 mL/mx	1444.7 mL	118	210	301	415
	ENLIST ONE	3.8	SL	16.0	oz/a	POST	A	12.5 mL/mx					
	VALOR EZ	4	SC	2.0	oz/a	POST	A	1.562 mL/mx					
	INDUCE			0.25	% v/v	POST	A	3.75 mL/mx					
19	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST	A	17.19 mL/mx	1470 mL	119	201	311	405
	ENGENIA	5	SL	6.4	oz/a	POST	A	5.0 mL/mx					
	VALOR EZ	4	SC	2.0	oz/a	POST	A	1.562 mL/mx					
	AEGOS	5.8	SL	8.0	oz/a	POST	A	6.25 mL/mx					
20	NTC								-	120	211	315	401

Sort Order: Replicate 1

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## PREPLANT BURNDOWN TEST - 2023

Trial ID: BD-01-23 Study Dir.: SCOTT AKIN/JACOB SMITH  
 Location: TIFT COUNTY Investigator: Eric P. Prostko

### Trial Comments

WES SHANNON FARM (TIFT COUNTY)

JUSTIN HAND/REGAN VEAL - UGA COUNTY EXTENSION AGENTS

MSO = MES 100 (DREXEL)

VORAXOR = TRIFLUDIMOXAZIN (10.76%) + SAFLUFENACIL (21.51%)

AEGOS = VRA/BUFFERING AGENT (POTASSIUM CARBONATE)

ON THE DAY OF APPLICATION, WILD RADISH, RED SORREL, MOUSE-EARED CHICKWEED, OLDFIELD TOADFLAX, AND HENBIT WERE FLOWERING. WILD RADISH HAD SOME SEED PODS AS WELL.

WHEAT = 4"-6" AT APPLICATION

MISSING DATA IN PLOTS 110/111 DUE TO APPLICATION ERROR.

#### HIGH/LOW AIR TEMPS FOR TIFTON-BOWEN FARM - FIRST 14 DAT

MARCH 9 = 67.8/50.2; MARCH 10 = 75.7/57.3

MARCH 11 = 72.4/47.5; MARCH 12 = 75.4/50.2

MARCH 13 = 67.2/50.8; MARCH 14 = 56.7/**40.0**

MARCH 15 = 61.1/**36.1**; MARCH 16 = 71.6/**33.8**

MARCH 17 = 77.5/47.2; MARCH 18 = 62/**44.5**

MARCH 19 = 52.3/**40.4**; MARCH 20 = 54/**31.3**

MARCH 21 = 66.3/**34.8**; MARCH 22 = 79.9/49.7

MARCH 23 = 82.9/51.3; MARCH 24 = 83.8/56.4

OVERALL BURNDOWN RATING CAPTURES ALL WEEDS INCLUDING WILD RADISH AND RED SORREL.

#### **SUMMARY:**

1) WEED CONTROL OBSERVATIONS MADE ON MARCH 30 (21 DAT) INDICATED THE FOLLOWING:

A) WILD RADISH, RED SORREL, AND OVERALL BURNDOWN CONTROL WAS >85% WITH THE FOLLOWING TREATMENTS:

GRAMOXONE 2SL @ 48 OZ/A + AATREX @ 32 OZ/A + INDUCE @ 0.25% V/V = >95% CONTROL

GRAMOXONE 3SL @ 32 OZ/A + INDUCE @ 0.25% = >91% CONTROL

ROUNDUP POWERMAX3 5.88SL @ 22 OZ/A + REVITON 2.83SC @ 1 OZ/A + VALOR EZ 4SC @ 2 OZ/A + MSO @ 1% V/V = >90% CONTROL

ROUNDUP POWERMAX3 5.88SL @ 22 OZ/A + REVITON 2.83SC @ 1 OZ/A + MSO @ 1% V/V WITH OR WITHOUT AMSOL @ 2% V/V = >88% CONTROL

SHARPEN 2.85SC @ 1 OZ/A + ROUNDUP POWERMAX3 5.88SL @ 22 OZ/A + AMSOL @ 2% V/V + MSO @ 1% V/V = >88% CONTROL

VORAXOR 3.13SC @ 1.0 OR 1.4 OZ/A + ROUNDUP POWERMAX3 5.88SL @ 22 OZ/A + AMSOL @ 2% V/V + MSO @ 1% V/V = >93% CONTROL

GRAMOXONE 2SL @ 48 OZ/A + ENGENIA 5SL @ 6.4 OZ/A + VALOR EZ 4SC @ 2 OZ/A + AEGOS @ 8 OZ/A + INDUCE @ 0.25% V/V = >90% CONTROL

GRAMOXONE 2SL @ 48 OZ/A + ENLIST ONE 3.8SL @ 16 OZ/A + VALOR EX 4SC @ 2 OZ/A + INDUCE @ 0.25% V/V = >91% CONTROL

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**GENERAL TRIAL INFORMATION**

**Study Director:** J.HAND/R. VEAL/N.SHAY/W. SHANNON      **Title:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_  
**Postal Code:** \_\_\_\_\_

**Investigator:** Eric P. Prostko      **Title:** \_\_\_\_\_  
**Affiliation:** \_\_\_\_\_  
**Postal Code:** \_\_\_\_\_

**TRIAL LOCATION**

**City:** \_\_\_\_\_      **Trial Status:** E  
**State/Prov.:** \_\_\_\_\_      **Trial Reliability:** \_\_\_\_\_  
**Postal Code:** \_\_\_\_\_      **Initiation Date:** \_\_\_\_\_  
**Country:** \_\_\_\_\_      **Planned Completion Date:** \_\_\_\_\_  
**E-Longitude of LL Corner °:** \_\_\_\_\_      **N-Latitude of LL Corner °:** \_\_\_\_\_  
**Altitude of LL Corner:** \_\_\_\_\_      **Unit:** \_\_\_\_\_      **Angle y-axis to North °:** \_\_\_\_\_  
**Directions:** \_\_\_\_\_

**COOPERATOR/LANDOWNER**

**Cooperator:** \_\_\_\_\_      **Country:** \_\_\_\_\_  
**Org:** \_\_\_\_\_      **Phone No:** \_\_\_\_\_  
**Address 1:** \_\_\_\_\_      **Fax No:** \_\_\_\_\_  
**Address 2:** \_\_\_\_\_  
**City:** \_\_\_\_\_  
**State/Prov:** \_\_\_\_\_  
**Postal Code:** \_\_\_\_\_

**Conducted Under GLP (Y/N):** N      **Conducted Under GEP (Y/N):** N  
**Guidelines:** \_\_\_\_\_      **Guideline Description:** \_\_\_\_\_

**Objective:** \_\_\_\_\_

**Conclusions:** \_\_\_\_\_

**CROP AND WEED DESCRIPTION**

Weed	Code	Common Name	Scientific Name
1.	RAPRA	WI	LD RADISH
2.	RUMAA	RE	D SORREL
3.	LAMAM	HE	NBIT
4.	OEALA	CU	TLEAF EVENING PRIMROSE
5.	ERICA	HO	RSEWEED
6.	GERCA	CA	ROLINA GERNAIUM
7.	GNASP	CU	DWEED
8.	CERVA	MO	USE-EARED CHICKWEED
9.	NUTCA	OL	DFIELD TOADFLAX

**Crop 1:** \_\_\_\_\_      **FALLOW**      **Planting Method:** \_\_\_\_\_      **Variety:** \_\_\_\_\_  
**Planting Date:** \_\_\_\_\_      **Perennial Age:** \_\_\_\_\_  
**Rate:** \_\_\_\_\_      **Depth:** \_\_\_\_\_      **Seed Bed:** \_\_\_\_\_  
**Row Spacing:** \_\_\_\_\_      **Spacing Within Row:** \_\_\_\_\_      **Emergence Date:** \_\_\_\_\_  
**Soil Temperature:** \_\_\_\_\_      **Soil Moisture:** \_\_\_\_\_

**SITE AND DESIGN**

**Plot Width, Unit:** 8 FT      **Plot Length, Unit:** 25 FT      **Reps:** 4  
**Site Type:** \_\_\_\_\_  
**Tillage Type:** \_\_\_\_\_      **Study Design:** RACOB L

**Trial Initiation Comments:**

	Previous Crops	Previous Pesticides	Year
1.	COTTON		2022

**MAINTENANCE**

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

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

**SOIL DESCRIPTION**

% Sand: \_\_\_\_\_ % OM: \_\_\_\_\_ Texture: \_\_\_\_\_  
 % Silt: \_\_\_\_\_ pH: \_\_\_\_\_ Soil Name: \_\_\_\_\_  
 % Clay: \_\_\_\_\_ CEC: \_\_\_\_\_ Fert. Level: \_\_\_\_\_

**ADDITIONAL MEASURED ELEMENTS**

Element	Quantity	Unit

**MOISTURE CONDITIONS**

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-10-23		0.3	IN	RAINFALL		
2.	Mar-12-23		0.5	IN	RAINFALL		

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

**APPLICATION DESCRIPTION**

	A
Application Date:	Mar-9-23
Time of Day:	6:55 am
Application Method:	BACKPACK
Application Timing:	POST
Applic. Placement:	FOLIAGE
Air Temp., Unit:	55 F
% Relative Humidity:	67
Wind Velocity, Unit:	1 MPH
Dew Presence (Y/N):	Y
Water Hardness:	--
Soil Temp., Unit:	62 F
Soil Moisture:	DRY
% Cloud Cover:	100

**CROP STAGE AT EACH APPLICATION**

	A
Crop 1 Code, Stage:	
Stage Scale:	
Height, Unit:	

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**WEED STAGE AT EACH APPLICATION**

	A
<b>Weed 1 Code, Stage:</b>	RAPRA,
<b>Stage Scale:</b>	18-24"
<b>Density, Unit:</b>	
<b>Weed 2 Code, Stage:</b>	RUMAA,
<b>Stage Scale:</b>	20-32"
<b>Density, Unit:</b>	
<b>Weed 3 Code, Stage:</b>	LAMAM,
<b>Stage Scale:</b>	6-8"
<b>Density, Unit:</b>	
<b>Weed 4 Code, Stage:</b>	OEALA,
<b>Stage Scale:</b>	3-4"
<b>Density, Unit:</b>	
<b>Weed 5 Code, Stage:</b>	ERICA,
<b>Stage Scale:</b>	5-8"
<b>Density, Unit:</b>	
<b>Weed 6 Code, Stage:</b>	GERCA,
<b>Stage Scale:</b>	4-6"
<b>Density, Unit:</b>	
<b>Weed 7 Code, Stage:</b>	GNASP,
<b>Stage Scale:</b>	4-6"
<b>Density, Unit:</b>	
<b>Weed 8 Code, Stage:</b>	CERVA,
<b>Stage Scale:</b>	14-16"
<b>Density, Unit:</b>	
<b>Weed 9 Code, Stage:</b>	NUTCA,
<b>Stage Scale:</b>	14-16"
<b>Density, Unit:</b>	

**APPLICATION EQUIPMENT**

	A
<b>Appl. Equipment:</b>	BACKPACK
<b>Operating Pressure:</b>	35
<b>Nozzle Type:</b>	AIXR
<b>Nozzle Size:</b>	11002
<b>Nozzle Spacing, Unit:</b>	20 IN
<b>Nozzles/Row:</b>	
<b>Band Width, Unit:</b>	
<b>Boom Length, Unit:</b>	60 IN
<b>Boom Height, Unit:</b>	20 IN
<b>Ground Speed, Unit:</b>	3.5 MPH
<b>Incorporation Equip.:</b>	
<b>Hours to Incorp.:</b>	
<b>Incorp. Depth, Unit:</b>	
<b>Carrier:</b>	WATER
<b>Spray Volume, Unit:</b>	15 GPA
<b>Spray pH:</b>	
<b>Propellant:</b>	CO2
<b>Tank Mix (Y/N):</b>	

Trt No	Treatment Application Comment

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					Rapra	Rumaa	Overall WEED	Rapra	Rumaa	Overall WEED	Rapra	Rumaa	Overall WEED		
					Control %	Control %	Control %	Control %	Control %	Control %	Control %	Control %	CONTROL %		
					Mar-17-23	Mar-17-23	Mar-17-23	Mar-24-23	Mar-24-23	Mar-24-23	Mar-24-23	Mar-30-23	Mar-30-23	Mar-30-23	
					8 DA-A	8 DA-A	8 DA-A	15 DA-A	15 DA-A	15 DA-A	21 DA-A	21 DA-A	21 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7	8	9
1	NTC						0.0 j	0.0 h	0.0 j	0.0 i	0.0 i	0.0 h	0.0 e	0.0 g	0.0 g
2	ROUNDUP POWERMAX3 AATREX	5.88 SL 4 L		22.0 oz/a 32.0 oz/a	POST A POST A		17.5 hi	21.3 g	23.8 i	45.0 gh	53.8 h	48.8 fg	55.0 c	77.5 cd	61.3 d
3	GRAMOXONE AATREX INDUCE	2 SL 4 L		48.0 oz/a 0.25 % v/v	POST A POST A POST A		80.0 ab	83.8 a	87.5 a	93.5 ab	95.0 a	95.0 a	95.8 a	98.8 a	95.8 a
4	ROUNDUP POWERMAX3 ENLIST ONE VALOR EZ	5.88 SL 3.8 SL 4 SC		22.0 oz/a 16.0 oz/a 2.0 oz/a	POST A POST A POST A		27.5 gh	30.0 fg	35.0 gh	58.8 de	60.0 fgh	55.0 efg	62.5 c	67.5 e	58.8 de
5	ROUNDUP POWERMAX3 REVITON MSO	5.88 SL 2.83 SC		22.0 oz/a 1.0 oz/a 1.0 % v/v	POST A POST A POST A		66.3 cde	60.0 bcd	62.5 de	92.5 ab	81.3 d	88.8 abc	88.8 a	91.3 ab	90.0 ab
6	ROUNDUP POWERMAX3 REVITON VALOR EZ MSO	5.88 SL 2.83 SC 4 SC		22.0 oz/a 1.0 oz/a 2.0 oz/a 1.0 % v/v	POST A POST A POST A POST A		66.3 cde	60.0 bcd	62.5 de	96.0 a	83.5 cd	86.3 bc	92.5 a	90.8 b	92.5 a
7	ROUNDUP POWERMAX3 REVITON ENLIST ONE MSO	5.88 SL 2.83 SC 3.8 SL		22.0 oz/a 1.0 oz/a 16.0 oz/a 1.0 % v/v	POST A POST A POST A POST A		43.8 f	48.8 e	52.5 f	61.3 de	63.8 efg	60.0 e	58.8 c	70.0 de	57.5 de
8	ROUNDUP POWERMAX3 REVITON ENLIST ONE VALOR EZ MSO	5.88 SL 2.83 SC 3.8 SL 4 SC		22.0 oz/a 1.0 oz/a 16.0 oz/a 2.0 oz/a 1.0 % v/v	POST A POST A POST A POST A POST A		56.3 e	58.8 cd	57.5 ef	78.8 c	68.8 ef	75.0 d	76.3 b	80.0 c	71.3 c
9	ROUNDUP POWERMAX3 AMSOL	5.88 SL		22.0 oz/a 2.0 % v/v	POST A POST A		20.0 hi	22.5 g	27.5 hi	53.8 ef	57.5 gh	56.3 ef	73.8 b	77.5 cd	75.0 c
10	GRAMOXONE INDUCE	3 SL		32.0 oz/a 0.25 % v/v	POST A POST A		83.3 a	86.7 a	86.7 a	93.3 ab	94.7 a	91.7 ab	94.7 a	95.0 ab	91.7 ab
11	ENLIST ONE ROUNDUP POWERMAX3 AMSOL MSO	3.8 SL 5.88 SL		32.0 oz/a 22.0 oz/a 2.0 % v/v 1.0 % v/v	POST A POST A POST A POST A		16.7 i	23.3 g	25.0 i	50.0 fg	53.3 h	48.3 g	55.0 c	58.3 f	53.3 ef
12	ENGENIA ROUNDUP POWERMAX3 AEGOS INDUCE	5 SL 5.88 SL 5.8 SL		12.8 oz/a 22.0 oz/a 8.0 oz/a 0.25 % v/v	POST A POST A POST A POST A		21.3 hi	28.8 fg	31.3 hi	40.0 h	56.3 gh	47.5 g	45.0 d	58.8 f	47.5 f
13	SHARPEN ROUNDUP POWERMAX3 AMSOL MSO	2.85 SC 5.88 SL		1.0 oz/a 22.0 oz/a 2.0 % v/v 1.0 % v/v	POST A POST A POST A POST A		62.5 de	52.5 de	56.3 ef	93.8 ab	71.3 e	83.8 c	95.0 a	88.8 b	88.8 ab
14	VORAXOR (BAS85100H) ROUNDUP POWERMAX3 AMSOL MSO	3.13 SC 5.88 SL		1.0 oz/a 22.0 oz/a 2.0 % v/v 1.0 % v/v	POST A POST A POST A POST A		72.5 bcd	68.8 b	67.5 cd	96.0 a	91.0 abc	93.5 ab	94.5 a	95.8 ab	95.0 a
15	VORAXOR (BAS85100H) ROUNDUP POWERMAX3 AMSOL MSO	3.13 SC 5.88 SL		1.4 oz/a 22.0 oz/a 2.0 % v/v 1.0 % v/v	POST A POST A POST A POST A		68.8 cd	65.0 bc	68.8 bcd	95.0 a	91.3 abc	92.5 ab	93.8 a	93.8 ab	95.0 a

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  
 ^Calculated from residual.



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Weed Code		Rapra	Rumaa	Overall WEED	Rapra	Rumaa	Overall WEED	Rapra	Rumaa	Overall WEED	Rapra	Rumaa	Overall WEED		
Crop Code		Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control	CONTROL	
Rating Data Type		%	%	%	%	%	%	%	%	%	%	%	%	%	
Rating Unit		Mar-17-23	Mar-17-23	Mar-17-23	Mar-24-23	Mar-24-23	Mar-24-23	Mar-24-23	Mar-30-23	Mar-30-23	Mar-30-23	Mar-30-23	Mar-30-23	Mar-30-23	
Rating Date		8 DA-A	8 DA-A	8 DA-A	15 DA-A	15 DA-A	15 DA-A	15 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A	21 DA-A	
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7	8	9
16	REVITON	2.83	SC	1.0 oz/a	POST	A	75.0 abc	66.3 bc	71.3 bc	93.8 ab	85.0 bcd	90.0 abc	93.8 a	92.5 ab	92.5 a
	ROUNDUP POWERMAX3	5.88	SL	22.0 oz/a	POST	A									
	AMSOL			2.0 % v/v	POST	A									
	MSO			1.0 % v/v	POST	A									
17	GRAMOXONE	2	SL	48.0 oz/a	POST	A	75.0 abc	78.8 a	76.3 b	86.3 bc	91.3 abc	90.0 abc	91.0 a	95.0 ab	85.0 b
	ENGENIA	5	SL	6.4 oz/a	POST	A									
	VALOR EZ	4	SC	2.0 oz/a	POST	A									
	AEGOS	5.8	SL	8.0 oz/a	POST	A									
	INDUCE			0.25 % v/v	POST	A									
18	GRAMOXONE	2	SL	48.0 oz/a	POST	A	85.0 a	83.8 a	85.0 a	93.8 ab	93.8 ab	92.5 ab	93.8 a	95.0 ab	91.3 ab
	ENLIST ONE	3.8	SL	16.0 oz/a	POST	A									
	VALOR EZ	4	SC	2.0 oz/a	POST	A									
	INDUCE			0.25 % v/v	POST	A									
19	ROUNDUP POWERMAX3	5.88	SL	22.0 oz/a	POST	A	37.5 fg	33.8 f	42.5 g	62.5 d	61.3 fgh	57.5 e	63.8 c	63.8 ef	58.8 de
	ENGENIA	5	SL	6.4 oz/a	POST	A									
	VALOR EZ	4	SC	2.0 oz/a	POST	A									
	AEGOS	5.8	SL	8.0 oz/a	POST	A									
20	NTC						0.0 j	0.0 h	0.0 j	0.0 i	0.0 i	0.0 h	0.0 e	0.0 g	0.0 g
	LSD P=.10						10.78	9.51	8.58	8.74	8.91	7.72	9.30	7.57	7.17
	Standard Deviation						9.11	8.04	7.25	7.39	7.53	6.53	7.86	6.40	6.06
	CV						18.68	16.54	14.23	10.67	11.14	9.66	11.04	8.58	8.66
	Grand Mean						48.75	48.63	50.96	69.19	67.63	67.61	71.17	74.49	70.04

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  
 ^Calculated from residual.

# University of Georgia

PREPLANT BURNDOWN TEST - 2023

Trial ID: BD-01-23      Study Dir.: SCOTT AKIN/JACOB SMITH  
 Location: TIFT COUNTY      Investigator: Eric P. Prostko

						Rapra	Rumaa	Overall		
						Control	Control	WEED		
						%	%	Control		
						Apr-7-23	Apr-7-23	Apr-7-23		
						29 DA-A	29 DA-A	29 DA-A		
Trt	Treatment	Form	Form	Rate	Grow	Appl	10	11	12	
No.	Name	Conc	Type	Rate	Unit	Stg	Code			
1	NTC							0.0 f	0.0 d	0.0 j
2	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A		71.3 cd	95.0 ab	78.8 d-g
	AATREX	4	L	32.0	oz/a	POST A				
3	GRAMOXONE	2	SL	48.0	oz/a	POST A		95.0 a	96.0 a	95.0 a
	AATREX	4	L	32.0	oz/a	POST A				
	INDUCE			0.25	% v/v	POST A				
4	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A		71.3 cd	77.5 c	73.8 g
	ENLIST ONE	3.8	SL	16.0	oz/a	POST A				
	VALOR EZ	4	SC	2.0	oz/a	POST A				
5	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A		86.3 ab	96.0 a	87.5 abc
	REVITON	2.83	SC	1.0	oz/a	POST A				
	MSO			1.0	% v/v	POST A				
6	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A		88.8 a	96.0 a	91.3 abc
	REVITON	2.83	SC	1.0	oz/a	POST A				
	VALOR EZ	4	SC	2.0	oz/a	POST A				
	MSO			1.0	% v/v	POST A				
7	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A		63.8 de	92.5 ab	61.3 h
	REVITON	2.83	SC	1.0	oz/a	POST A				
	ENLIST ONE	3.8	SL	16.0	oz/a	POST A				
	MSO			1.0	% v/v	POST A				
8	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A		78.8 bc	88.8 b	76.3 efg
	REVITON	2.83	SC	1.0	oz/a	POST A				
	ENLIST ONE	3.8	SL	16.0	oz/a	POST A				
	VALOR EZ	4	SC	2.0	oz/a	POST A				
	MSO			1.0	% v/v	POST A				
9	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A		87.5 ab	95.0 ab	86.3 bcd
	AMSOL			2.0	% v/v	POST A				
10	GRAMOXONE	3	SL	32.0	oz/a	POST A		90.0 a	95.0 ab	83.3 c-f
	INDUCE			0.25	% v/v	POST A				
11	ENLIST ONE	3.8	SL	32.0	oz/a	POST A		63.3 de	75.0 c	61.7 h
	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A				
	AMSOL			2.0	% v/v	POST A				
	MSO			1.0	% v/v	POST A				
12	ENGENIA	5	SL	12.8	oz/a	POST A		55.0 e	75.0 c	50.0 i
	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A				
	AEGOS	5.8	SL	8.0	oz/a	POST A				
	INDUCE			0.25	% v/v	POST A				
13	SHARPEN	2.85	SC	1.0	oz/a	POST A		88.8 a	92.5 ab	86.3 bcd
	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A				
	AMSOL			2.0	% v/v	POST A				
	MSO			1.0	% v/v	POST A				
14	VORAXOR (BAS85100H)	3.13	SC	1.0	oz/a	POST A		91.3 a	96.0 a	91.3 abc
	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A				
	AMSOL			2.0	% v/v	POST A				
	MSO			1.0	% v/v	POST A				
15	VORAXOR (BAS85100H)	3.13	SC	1.4	oz/a	POST A		92.5 a	95.0 ab	93.8 ab
	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST A				
	AMSOL			2.0	% v/v	POST A				
	MSO			1.0	% v/v	POST A				

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  
 ^Calculated from residual.

# University of Georgia

PREPLANT BURNDOWN TEST - 2023

Trial ID: BD-01-23      Study Dir.: SCOTT AKIN/JACOB SMITH  
 Location: TIFT COUNTY      Investigator: Eric P. Prostko

						Rapra	Rumaa	Overall
						Control	Control	WEED
						%	%	Control
						Apr-7-23	Apr-7-23	Apr-7-23
						29 DA-A	29 DA-A	29 DA-A
Trt	Treatment	Form	Form	Rate	Grow	Appl		
No.	Name	Conc	Type	Rate	Unit	Stg	Code	
16	REVITON	2.83	SC	1.0	oz/a	POST	A	
	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST	A	
	AMSOL			2.0	% v/v	POST	A	
	M50			1.0	% v/v	POST	A	
								87.5 ab
								95.0 ab
								90.0 abc
17	GRAMOXONE	2	SL	48.0	oz/a	POST	A	
	ENGENIA	5	SL	6.4	oz/a	POST	A	
	VALOR EZ	4	SC	2.0	oz/a	POST	A	
	AEGOS	5.8	SL	8.0	oz/a	POST	A	
	INDUCE			0.25	% v/v	POST	A	
								91.3 a
								96.0 a
								75.0 fg
18	GRAMOXONE	2	SL	48.0	oz/a	POST	A	
	ENLIST ONE	3.8	SL	16.0	oz/a	POST	A	
	VALOR EZ	4	SC	2.0	oz/a	POST	A	
	INDUCE			0.25	% v/v	POST	A	
								86.3 ab
								95.0 ab
								83.8 cde
19	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST	A	
	ENGENIA	5	SL	6.4	oz/a	POST	A	
	VALOR EZ	4	SC	2.0	oz/a	POST	A	
	AEGOS	5.8	SL	8.0	oz/a	POST	A	
								70.0 cd
								91.3 ab
								75.0 fg
20	NTC							
								0.0 f
								0.0 d
								0.0 j
	LSD P=.10							9.30
	Standard Deviation							7.86
	CV							10.78
	Grand Mean							72.92
								6.34
								5.36
								6.53
								82.13
								72.00

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  
 ^Calculated from residual.

# University of Georgia

PREPLANT BURNDOWN TEST - 2023

Trial ID: BD-01-23      Study Dir.: SCOTT AKIN/JACOB SMITH  
 Location: TIFT COUNTY    Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For Rapra Control % Mar-17-23 8 DA-A (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	67597.222222			
Replicate	3	507.500000	169.166667	2.039	0.1191
Treatment	19	62526.388889	3290.862573	39.663	0.0001
Error	55	4563.333333	82.969697		

Randomized Complete Block (RCB) AOV For Rumaa Control % Mar-17-23 8 DA-A (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	59454.305556			
Replicate	3	113.750000	37.916667	0.586	0.6266
Treatment	19	55783.472222	2935.972222	45.396	0.0001
Error	55	3557.083333	64.674242		

Randomized Complete Block (RCB) AOV For Overall WEED Control % Mar-17-23 8 DA-A (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	57470.972222			
Replicate	3	87.916667	29.305556	0.557	0.6453
Treatment	19	54491.805556	2867.989766	54.558	0.0001
Error	55	2891.250000	52.568182		

Randomized Complete Block (RCB) AOV For Rapra Control % Mar-24-23 15 DA-A (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	74690.172222			
Replicate	3	297.116667	99.038889	1.815	0.1551
Treatment	19	71392.505556	3757.500292	68.875	0.0001
Error	55	3000.550000	54.555455		

Randomized Complete Block (RCB) AOV For Rumaa Control % Mar-24-23 15 DA-A (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	61682.972222			
Replicate	3	688.650000	229.550000	4.046	0.0114
Treatment	19	57874.138889	3046.007310	53.692	0.0001
Error	55	3120.183333	56.730606		

Randomized Complete Block (RCB) AOV For Overall WEED Control % Mar-24-23 15 DA-A (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	67323.876389			
Replicate	3	689.037500	229.679167	5.387	0.0025
Treatment	19	64289.793056	3383.673319	79.360	0.0001
Error	55	2345.045833	42.637197		

Randomized Complete Block (RCB) AOV For Rapra Control % Mar-30-23 21 DA-A (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	69873.776389			
Replicate	3	33.904167	11.301389	0.183	0.9076
Treatment	19	66441.359722	3496.913670	56.592	0.0001
Error	55	3398.512500	61.791136		

Randomized Complete Block (RCB) AOV For Rumaa Control % Mar-30-23 21 DA-A (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	64797.105556			
Replicate	3	205.316667	68.438889	1.673	0.1833
Treatment	19	62342.438889	3281.180994	80.230	0.0001
Error	55	2249.350000	40.897273		

Randomized Complete Block (RCB) AOV For Overall WEED CONTROL % Mar-30-23 21 DA-A (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	65731.109722			
Replicate	3	30.337500	10.112500	0.275	0.8432
Treatment	19	63678.526389	3351.501389	91.152	0.0001
Error	55	2022.245833	36.768106		

Randomized Complete Block (RCB) AOV For Rapra Control % Apr-7-23 29 DA-A (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	60613.888889			
Replicate	3	31.666667	10.555556	0.171	0.9156
Treatment	19	57184.722222	3009.722222	48.723	0.0001
Error	55	3397.500000	61.772727		

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PREPLANT BURNDOWN TEST - 2023

Trial ID: BD-01-23      Study Dir.: SCOTT AKIN/JACOB SMITH  
 Location: TIFT COUNTY    Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For Rumaa Control % Apr-7-23 29 DA-A (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	65268.750000			
Replicate	3	42.850000	14.283333	0.497	0.6857
Treatment	19	63646.250000	3349.802632	116.633	0.0001
Error	55	1579.650000	28.720909		

Randomized Complete Block (RCB) AOV For Overall WEED Control % Apr-7-23 29 DA-A (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	77	59602.222222			
Replicate	3	150.000000	50.000000	0.950	0.4231
Treatment	19	56556.388889	2976.652047	56.535	0.0001
Error	55	2895.833333	52.651515		

Rating Unit  
 % = PERCENT

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PREPLANT BURNDOWN TEST - 2023

Trial ID: BD-01-23      Study Dir.: SCOTT AKIN/JACOB SMITH  
 Location: TIFT COUNTY      Investigator: Eric P. Prostko

						Rapra	Rumaa	Overall WEED	Rapra	Rumaa	Overall WEED	Rapra	Rumaa			
						Control	Control	Control	Control	Control	Control	Control	Control			
						%	%	%	%	%	%	%	%			
						Mar-17-23	Mar-17-23	Mar-17-23	Mar-24-23	Mar-24-23	Mar-24-23	Mar-30-23	Mar-30-23			
						8 DA-A	8 DA-A	8 DA-A	15 DA-A	15 DA-A	15 DA-A	21 DA-A	21 DA-A			
Trt	Treatment	Form	Form	Rate	Grow	Appl										
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6	7	8
1	NTC							101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								218	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								320	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								413	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	0.0	0.0
2	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST	A	102	20.0	20.0	20.0	45.0	50.0	40.0	50.0	60.0
	AATREX	4	L	32.0	oz/a	POST	A	204	20.0	20.0	20.0	30.0	65.0	50.0	60.0	80.0
								302	20.0	20.0	25.0	45.0	50.0	45.0	50.0	85.0
								403	10.0	25.0	30.0	60.0	50.0	60.0	60.0	85.0
								Mean =	17.5	21.3	23.8	45.0	53.8	48.8	55.0	77.5
3	GRAMOXONE	2	SL	48.0	oz/a	POST	A	103	80.0	85.0	90.0	95.0	95.0	95.0	95.0	99.0
	AATREX	4	L	32.0	oz/a	POST	A	207	85.0	85.0	90.0	99.0	95.0	95.0	98.0	98.0
	INDUCE			0.25	% v/v	POST	A	319	85.0	85.0	85.0	90.0	95.0	95.0	95.0	99.0
								406	70.0	80.0	85.0	90.0	95.0	95.0	95.0	99.0
								Mean =	80.0	83.8	87.5	93.5	95.0	95.0	95.8	98.8
4	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST	A	104	20.0	20.0	20.0	60.0	60.0	35.0	60.0	65.0
	ENLIST ONE	3.8	SL	16.0	oz/a	POST	A	217	20.0	35.0	40.0	50.0	50.0	50.0	60.0	65.0
	VALOR EZ	4	SC	2.0	oz/a	POST	A	307	30.0	30.0	35.0	65.0	60.0	70.0	65.0	70.0
								408	40.0	35.0	45.0	60.0	70.0	65.0	65.0	70.0
								Mean =	27.5	30.0	35.0	58.8	60.0	55.0	62.5	67.5
5	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST	A	105	75.0	65.0	65.0	95.0	65.0	85.0	90.0	90.0
	REVITON	2.83	SC	1.0	oz/a	POST	A	216	65.0	50.0	60.0	85.0	80.0	85.0	90.0	90.0
	MSO			1.0	% v/v	POST	A	310	65.0	65.0	65.0	95.0	85.0	90.0	85.0	90.0
								418	60.0	60.0	60.0	95.0	95.0	95.0	90.0	95.0
								Mean =	66.3	60.0	62.5	92.5	81.3	88.8	88.8	91.3
6	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST	A	106	65.0	50.0	60.0	95.0	65.0	75.0	95.0	85.0
	REVITON	2.83	SC	1.0	oz/a	POST	A	205	60.0	65.0	70.0	99.0	99.0	95.0	95.0	98.0
	VALOR EZ	4	SC	2.0	oz/a	POST	A	313	75.0	60.0	60.0	95.0	85.0	85.0	95.0	85.0
	MSO			1.0	% v/v	POST	A	417	65.0	65.0	60.0	95.0	85.0	90.0	85.0	95.0
								Mean =	66.3	60.0	62.5	96.0	83.5	86.3	92.5	90.8
7	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST	A	107	50.0	50.0	50.0	50.0	65.0	55.0	60.0	65.0
	REVITON	2.83	SC	1.0	oz/a	POST	A	209	30.0	50.0	50.0	60.0	60.0	55.0	45.0	65.0
	ENLIST ONE	3.8	SL	16.0	oz/a	POST	A	317	60.0	65.0	70.0	70.0	65.0	65.0	75.0	65.0
	MSO			1.0	% v/v	POST	A	410	35.0	30.0	40.0	65.0	65.0	65.0	55.0	85.0
								Mean =	43.8	48.8	52.5	61.3	63.8	60.0	58.8	70.0
8	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST	A	108	60.0	60.0	65.0	85.0	65.0	75.0	95.0	85.0
	REVITON	2.83	SC	1.0	oz/a	POST	A	214	65.0	65.0	65.0	85.0	75.0	85.0	85.0	85.0
	ENLIST ONE	3.8	SL	16.0	oz/a	POST	A	309	50.0	60.0	50.0	70.0	65.0	65.0	60.0	85.0
	VALOR EZ	4	SC	2.0	oz/a	POST	A	420	50.0	50.0	50.0	75.0	70.0	75.0	65.0	65.0
	MSO			1.0	% v/v	POST	A									
								Mean =	56.3	58.8	57.5	78.8	68.8	75.0	76.3	80.0
9	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST	A	109	20.0	20.0	20.0	50.0	50.0	50.0	80.0	85.0
	AMSOL			2.0	% v/v	POST	A	215	20.0	30.0	25.0	30.0	50.0	45.0	60.0	65.0
								314	20.0	20.0	30.0	70.0	65.0	65.0	75.0	65.0
								407	20.0	20.0	35.0	65.0	65.0	65.0	80.0	95.0
								Mean =	20.0	22.5	27.5	53.8	57.5	56.3	73.8	77.5
10	GRAMOXONE	3	SL	32.0	oz/a	POST	A	110	.	.	.	.	.	.	.	.
	INDUCE			0.25	% v/v	POST	A	206	80.0	85.0	85.0	95.0	99.0	90.0	90.0	95.0
								318	90.0	90.0	90.0	95.0	95.0	95.0	99.0	95.0
								416	80.0	85.0	85.0	90.0	90.0	90.0	95.0	95.0
								Mean =	83.3	86.7	86.7	93.3	94.7	91.7	94.7	95.0
11	ENLIST ONE	3.8	SL	32.0	oz/a	POST	A	111	.	.	.	.	.	.	.	.
	ROUNDUP POWERMAX3	5.88	SL	22.0	oz/a	POST	A	220	20.0	20.0	30.0	45.0	50.0	45.0	40.0	50.0
	AMSOL			2.0	% v/v	POST	A	304	10.0	20.0	20.0	50.0	50.0	50.0	75.0	65.0
	MSO			1.0	% v/v	POST	A	402	20.0	30.0	25.0	55.0	60.0	50.0	50.0	60.0
								Mean =	16.7	23.3	25.0	50.0	53.3	48.3	55.0	58.3



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PREPLANT BURNDOWN TEST - 2023			
Trial ID: BD-01-23		Study Dir.: SCOTT AKIN/JACOB SMITH	
Location: TIFT COUNTY		Investigator: Eric P. Prostko	

Weed Code							Overall WEED CONTROL	Rapra Control %	Rumaa Control %	Overall WEED Control %
Crop Code							Mar-30-23	Apr-7-23	Apr-7-23	Apr-7-23
Rating Data Type							21 DA-A	29 DA-A	29 DA-A	29 DA-A
Rating Unit										
Rating Date										
Trt-Eval Interval										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code Plot	9	10	11	12
1	NTC					101	0.0	0.0	0.0	0.0
						218	0.0	0.0	0.0	0.0
						320	0.0	0.0	0.0	0.0
						413	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0
2	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a		POST A 102	60.0	70.0	95.0	80.0
	AATREX	4 L		32.0 oz/a		POST A 204	70.0	75.0	95.0	85.0
						302	50.0	65.0	95.0	65.0
						403	65.0	75.0	95.0	85.0
						Mean =	61.3	71.3	95.0	78.8
3	GRAMOXONE	2 SL		48.0 oz/a		POST A 103	95.0	95.0	99.0	95.0
	AATREX	4 L		32.0 oz/a		POST A 207	98.0	95.0	95.0	95.0
	INDUCE			0.25 % v/v		POST A 319	95.0	95.0	95.0	95.0
						406	95.0	95.0	95.0	95.0
						Mean =	95.8	95.0	96.0	95.0
4	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a		POST A 104	50.0	65.0	65.0	65.0
	ENLIST ONE	3.8 SL		16.0 oz/a		POST A 217	60.0	70.0	75.0	70.0
	VALOR EZ	4 SC		2.0 oz/a		POST A 307	60.0	85.0	85.0	90.0
						408	65.0	65.0	85.0	70.0
						Mean =	58.8	71.3	77.5	73.8
5	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a		POST A 105	90.0	95.0	99.0	95.0
	REVITON	2.83 SC		1.0 oz/a		POST A 216	90.0	70.0	95.0	75.0
	MSO			1.0 % v/v		POST A 310	90.0	85.0	95.0	90.0
						418	90.0	95.0	95.0	90.0
						Mean =	90.0	86.3	96.0	87.5
6	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a		POST A 106	90.0	90.0	95.0	95.0
	REVITON	2.83 SC		1.0 oz/a		POST A 205	95.0	90.0	99.0	90.0
	VALOR EZ	4 SC		2.0 oz/a		POST A 313	95.0	90.0	95.0	90.0
	MSO			1.0 % v/v		POST A 417	90.0	85.0	95.0	90.0
						Mean =	92.5	88.8	96.0	91.3
7	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a		POST A 107	55.0	65.0	95.0	65.0
	REVITON	2.83 SC		1.0 oz/a		POST A 209	50.0	60.0	85.0	55.0
	ENLIST ONE	3.8 SL		16.0 oz/a		POST A 317	65.0	65.0	95.0	65.0
	MSO			1.0 % v/v		POST A 410	60.0	65.0	95.0	60.0
						Mean =	57.5	63.8	92.5	61.3
8	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a		POST A 108	85.0	95.0	95.0	85.0
	REVITON	2.83 SC		1.0 oz/a		POST A 214	80.0	90.0	95.0	90.0
	ENLIST ONE	3.8 SL		16.0 oz/a		POST A 309	55.0	50.0	90.0	60.0
	VALOR EZ	4 SC		2.0 oz/a		POST A 420	65.0	80.0	75.0	70.0
	MSO			1.0 % v/v		POST A				
						Mean =	71.3	78.8	88.8	76.3
9	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a		POST A 109	85.0	85.0	95.0	85.0
	AMSOL			2.0 % v/v		POST A 215	65.0	85.0	95.0	80.0
						314	65.0	85.0	95.0	90.0
						407	85.0	95.0	95.0	90.0
						Mean =	75.0	87.5	95.0	86.3
10	GRAMOXONE	3 SL		32.0 oz/a		POST A 110	.	.	.	.
	INDUCE			0.25 % v/v		POST A 206	90.0	85.0	95.0	75.0
						318	90.0	95.0	95.0	85.0
						416	95.0	90.0	95.0	90.0
						Mean =	91.7	90.0	95.0	83.3
11	ENLIST ONE	3.8 SL		32.0 oz/a		POST A 111	.	.	.	.
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a		POST A 220	50.0	50.0	75.0	50.0
	AMSOL			2.0 % v/v		POST A 304	65.0	80.0	80.0	75.0
	MSO			1.0 % v/v		POST A 402	45.0	60.0	70.0	60.0
						Mean =	53.3	63.3	75.0	61.7



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PREPLANT BURNDOWN TEST - 2023			
Trial ID: BD-01-23	Study Dir.: SCOTT AKIN/JACOB SMITH		
Location: TIFT COUNTY	Investigator: Eric P. Prostko		

Weed Code						Overall WEED CONTROL	Rapra Control %	Rumaa Control %	Overall WEED Control %		
Crop Code						Mar-30-23	Apr-7-23	Apr-7-23	Apr-7-23		
Rating Data Type						21 DA-A	29 DA-A	29 DA-A	29 DA-A		
Rating Unit											
Rating Date											
Trt-Eval Interval											
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	Plot	9	10	11	12
12	ENGENIA	5 SL		12.8 oz/a	POST A	112		50.0	50.0	60.0	50.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	POST A	213		50.0	65.0	65.0	45.0
	AEGOS	5.8 SL		8.0 oz/a	POST A	312		40.0	50.0	80.0	55.0
	INDUCE			0.25 % v/v	POST A	414		50.0	55.0	95.0	50.0
						Mean =		47.5	55.0	75.0	50.0
13	SHARPEN	2.85 SC		1.0 oz/a	POST A	113		80.0	85.0	85.0	80.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	POST A	202		90.0	85.0	95.0	85.0
	AMSOL			2.0 % v/v	POST A	308		95.0	95.0	95.0	90.0
	MSO			1.0 % v/v	POST A	411		90.0	90.0	95.0	90.0
						Mean =		88.8	88.8	92.5	86.3
14	VORAXOR (BAS85100H)	3.13 SC		1.0 oz/a	POST A	114		95.0	90.0	99.0	90.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	POST A	208		95.0	90.0	95.0	90.0
	AMSOL			2.0 % v/v	POST A	303		95.0	95.0	95.0	90.0
	MSO			1.0 % v/v	POST A	419		95.0	90.0	95.0	95.0
						Mean =		95.0	91.3	96.0	91.3
15	VORAXOR (BAS85100H)	3.13 SC		1.4 oz/a	POST A	115		95.0	85.0	95.0	90.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	POST A	219		95.0	95.0	95.0	95.0
	AMSOL			2.0 % v/v	POST A	316		95.0	95.0	95.0	95.0
	MSO			1.0 % v/v	POST A	412		95.0	95.0	95.0	95.0
						Mean =		95.0	92.5	95.0	93.8
16	REVITON	2.83 SC		1.0 oz/a	POST A	116		90.0	85.0	95.0	90.0
	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	POST A	212		95.0	85.0	95.0	90.0
	AMSOL			2.0 % v/v	POST A	305		95.0	95.0	95.0	95.0
	MSO			1.0 % v/v	POST A	409		90.0	85.0	95.0	85.0
						Mean =		92.5	87.5	95.0	90.0
17	GRAMOXONE	2 SL		48.0 oz/a	POST A	117		90.0	95.0	99.0	90.0
	ENGENIA	5 SL		6.4 oz/a	POST A	203		85.0	95.0	95.0	65.0
	VALOR EZ	4 SC		2.0 oz/a	POST A	306		85.0	90.0	95.0	85.0
	AEGOS	5.8 SL		8.0 oz/a	POST A	404		80.0	85.0	95.0	60.0
	INDUCE			0.25 % v/v	POST A						
						Mean =		85.0	91.3	96.0	75.0
18	GRAMOXONE	2 SL		48.0 oz/a	POST A	118		95.0	85.0	95.0	85.0
	ENLIST ONE	3.8 SL		16.0 oz/a	POST A	210		90.0	90.0	95.0	90.0
	VALOR EZ	4 SC		2.0 oz/a	POST A	301		90.0	90.0	95.0	85.0
	INDUCE			0.25 % v/v	POST A	415		90.0	80.0	95.0	75.0
						Mean =		91.3	86.3	95.0	83.8
19	ROUNDUP POWERMAX3	5.88 SL		22.0 oz/a	POST A	119		60.0	65.0	90.0	75.0
	ENGENIA	5 SL		6.4 oz/a	POST A	201		55.0	65.0	95.0	75.0
	VALOR EZ	4 SC		2.0 oz/a	POST A	311		55.0	65.0	95.0	70.0
	AEGOS	5.8 SL		8.0 oz/a	POST A	405		65.0	85.0	85.0	80.0
						Mean =		58.8	70.0	91.3	75.0
20	NTC					120		0.0	0.0	0.0	0.0
						211		0.0	0.0	0.0	0.0
						315		0.0	0.0	0.0	0.0
						401		0.0	0.0	0.0	0.0
						Mean =		0.0	0.0	0.0	0.0

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PREPLANT BURNDOWN TEST - 2023

Trial ID: BD-01-23      Study Dir.: SCOTT AKIN/JACOB SMITH  
Location: TIFT COUNTY      Investigator: Eric P. Prostko

Rating Unit  
% = PERCENT