

University of Georgia

SWEET SORGHUM RESPONSE TO HERBICIDES

Trial ID: SS-01-23 Study Dir.: N. SHAY/JACOB WILLIAMS
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3 Plots: 6 by 25 feet
 Mix Size: 1.5 L

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3
1	NTC									-	101	210	301
2	AATREX	4 L		32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1475 mL	102	207	313
3	AATREX	4 L		64.0 oz/a		PRE	A	15 GPA	50.0 mL/mx	1450 mL	103	216	314
4	AATREX	4 L		32.0 oz/a		POST	B	15 GAL/AC	25.0 mL/mx	1460 mL	104	212	308
	AGRIDEX			1.0 % v/v		POST	B	15 GAL/AC	15.0 mL/mx				
5	AATREX	4 L		64.0 oz/a		POST	B	15 GAL/AC	50.0 mL/mx	1435 mL	105	209	302
	AGRIDEX			1.0 % v/v		POST	B	15 GAL/AC	15.0 mL/mx				
6	AATREX	4 L		32.0 oz/a		PRE	A	15 GPA	25.0 mL/mx	1475 mL 1460 mL	106	201	316
	AATREX	4 L		32.0 oz/a		POST	B	15 GAL/AC	25.0 mL/mx				
	AGRIDEX			1.0 % v/v		POST	B	15 GAL/AC	15.0 mL/mx				
7	DUAL MAGNUM	7.62 EC		16.0 oz/a		PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	107	205	309
8	OUTLOOK	6 EC		12.8 oz/a		PRE	A	15 GPA	10.0 mL/mx	1490 mL	108	202	315
9	WARRANT	3 ME		48.0 oz/a		PRE	A	15 GPA	37.5 mL/mx	1462.5 mL	109	203	305
10	CALLISTO	4 SC		6.4 oz/a		PRE	A	15 GPA	5.0 mL/mx	1495 mL	110	213	311
11	SANDEA	75 WG		0.67 oz/a		POST	B	15 GAL/AC	0.5018 g/mx	1495.7 mL	111	214	304
	INDUCE			0.25 % v/v		POST	B	15 GAL/AC	3.75 mL/mx				
12	HUSKIE	2.06 EC		13.0 oz/a		POST	B	15 GAL/AC	10.16 mL/mx	1473.6 mL	112	215	306
	AATREX	4 L		16.0 oz/a		POST	B	15 GAL/AC	12.5 mL/mx				
	INDUCE			0.25 % v/v		POST	B	15 GAL/AC	3.75 mL/mx				
13	ENLIST ONE	3.8 SL		16.0 oz/a		POST	B	15 GAL/AC	12.5 mL/mx	1487.5 mL	113	204	303
14	ENGENIA	5 SL		6.4 oz/a		POST	B	15 GAL/AC	5.0 mL/mx	1495 mL	114	206	307
15	ENLIST ONE	3.8 SL		16.0 oz/a		POST	B	15 GAL/AC	12.5 mL/mx	1447.5 mL	115	211	312
	AATREX	4 L		32.0 oz/a		POST	B	15 GAL/AC	25.0 mL/mx				
	AGRIDEX			1.0 % v/v		POST	B	15 GAL/AC	15.0 mL/mx				
16	ENGENIA	5 SL		6.4 oz/a		POST	B	15 GAL/AC	5.0 mL/mx	1455 mL	116	208	310
	AATREX	4 L		32.0 oz/a		POST	B	15 GAL/AC	25.0 mL/mx				
	AGRIDEX			1.0 % v/v		POST	B	15 GAL/AC	15.0 mL/mx				

Sort Order: Replicate 1

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Trial Comments

HUSKIE = BROMOXYNIL (1.75 LBS/GAL) + PYRASULFOTOLE (0.31 LBS/GAL)

SEED WAS TREATED WITH CONCEP III

SUMMARY:

- 1) PRE HERBICIDE APPLICATIONS CAUSED SORGHUM STUNTING THAT RANGED BETWEEN 7-15% WITH THE MOST INJURY CAUSED BY CALLISTO. CALLISTO ALSO CAUSED TEMPORARY SORGHUM BLEACHING.
- 2) THE GROUP 15 HERBICIDES (DUAL, OUTLOOK, WARRANT) DID NOT PROVIDE EFFECTIVE RESIDUAL CONTROL OF WILD RADISH.
- 3) ALL PRE HERBICIDES PROVIDED AT LEAST 90% RESIDUAL CONTROL OF PALMER AMARANTH AND ANNUAL GRASSES AT 12 DAT.
- 4) POST APPLIED HUSKIE CAUSED SORGHUM LEAF NECROSIS AND BLEACHING BUT PROVIDED 99% CONTROL OF WILD RADISH AND PALMER AMARANTH. HUSKIE WAS NOT EFFECTIVE ON ANNUAL GRASSES.
- 5) ENLIST ONE AND ENGENIA CAUSED SORGHUM EPINASTY AS EXPECTED. NEITHER PROVIDED EFFECTIVE CONTROL OF PALMER AMARANTH OR ANNUAL GRASSES. ENLIST ONE WAS MORE EFFECTIVE ON WILD RADISH THAN ENGENIA.
- 6) ENLIST ONE + ATRAZINE OR ENGENIA + ATRAZINE WERE MORE EFFECTIVE THAN EITHER APPLIED ALONE BUT THESE COMBINATIONS CAUSED MORE SORGHUM LEAF NECROSIS.

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GENERAL TRIAL INFORMATION

Study Director: N. SHAY/JACOB WILLIAMS **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.	AMAPA	PA	LMER AMARANTH
2.	AGRASS	TX	PAN/CRAB/GOOSE/CROW/SANDBUR
3.	RAPRA	WI	LD RADISH
4.	MOLVE	CA	RPETWEED

Crop 1: SORBI SWEET SORGHUM **Variety:** TOP-76-6
Planting Date: Apr-5-23 **Planting Method:** MONOSEM VACUUM
Rate: 87100 SEED/A **Depth:** 1.5 IN **Perennial Age:** _____
Row Spacing: 36 IN **Spacing Within Row:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 3
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOBL

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	FALLOW/SOYBEANS		2022

MAINTENANCE

Field Prep./Maintenance: 1 TON/A LIME - PREPLANT
 300 LBS/A 5-15-30 - PREPLANT
 122-0-0-15 SIDEDRESS

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

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SOIL DESCRIPTION

% Sand: 94 % OM: 0.93 Texture: SAND
 % Silt: 4 pH: 6.0 Soil Name: TIFTON
 % Clay: 2 CEC: 3.7 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-7-23		0.45	IN	SPRINKLER - LATERAL MOVE		
2.	Apr-8-23		0.42	IN	RAINFALL		
3.	Apr-14-23		0.11	IN	SPRINKLER - LATERAL MOVE		
4.	Apr-26-23		0.5	IN	SPRINKLER - LATERAL MOVE		
5.	Apr-27-23		1.0	IN	RAINFALL		
6.	Apr-29-23		0.65	IN	RAINFALL		
7.	May-11-23		0.5	IN	SPRINKLER - LATERAL MOVE		
8.	May-12-23		2.5	IN	RAINFALL		
9.	May-20-23		0.1	IN	RAINFALL		
10.	May-22-23		0.75	IN	RAINFALL		
11.	May-23-23		0.3	IN	RAINFALL		

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

APPLICATION DESCRIPTION

	A	B
Application Date:	Apr-6-23	Apr-25-23
Time of Day:	7:04 AM	7:27 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	POST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	67 F	58 F
% Relative Humidity:	96	60
Wind Velocity, Unit:	2 MPH	1 MPH
Dew Presence (Y/N):	N	Y
Water Hardness:	--	--
Soil Temp., Unit:	71 F	60 F
Soil Moisture:	OPTIMUM	OPTIMUM
% Cloud Cover:	5	30

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	SORBI,	SORBI,
Stage Scale:		V2-V3
Height, Unit:		3, IN

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WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	AMAPA,	AMAPA,
Stage Scale:		2";4 LF
Density, Unit:		
Weed 2 Code, Stage:	AGRAS,	AGRAS,
Stage Scale:		0.5-1"
Density, Unit:		
Weed 3 Code, Stage:	RAPRA,	RAPRA,
Stage Scale:		
Density, Unit:		
Weed 4 Code, Stage:	MOLVE,	MOLVE,
Stage Scale:		
Density, Unit:		

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	SAME AS A
Operating Pressure:	36	
Nozzle Type:	AIXR	
Nozzle Size:	11002	
Nozzle Spacing, Unit:		
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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Weed Code					-----	-----	-----	Rapra	Amapa	Agrass	-----	-----	-----	Amapa		
Crop Code					SORBI	SORBI	SORBI	-----	-----	-----	SORBI	SORBI	SORBI	-----		
Rating Data Type					Stunting	Bleaching	#/5ft	Control	Control	Control	Bleaching	Necrosis	Epinasty	Control		
Rating Unit					%	%		%	%	%	%	%	%	%		
Rating Date					Apr-18-23	Apr-18-23	Apr-18-23	Apr-18-23	Apr-18-23	Apr-18-23	May-1-23	May-1-23	May-1-23	May-1-23		
Trt	Treatment	Form	Form	Rate	Grow	Appl	1	2	3	4	5	6	7	8	9	10
No.	Name	Conc	Type	Rate	Stg	Code										
1	NTC						0.0 d	0.0 b	14.0 abc	0.0 c	0.0 b	0.0 d	0.0 d	0.0 e	0.0 c	0.0 d
2	AATREX	4 L		32.0 oz/a	PRE	A	10.0 b	0.0 b	11.7 def	99.0 a	99.0 a	89.7 b	1.7 cd	0.0 e	0.0 c	99.0 a
3	AATREX	4 L		64.0 oz/a	PRE	A	10.0 b	0.0 b	10.7 f	99.0 a	99.0 a	99.0 a	0.0 d	0.0 e	0.0 c	97.7 a
4	AATREX AGRIDEX	4 L		32.0 oz/a 1.0 % v/v	POST POST	B B	0.0 d	0.0 b	14.3 ab	0.0 c	0.0 b	0.0 d	3.3 bc	1.7 de	0.0 c	97.7 a
5	AATREX AGRIDEX	4 L		64.0 oz/a 1.0 % v/v	POST POST	B B	0.0 d	0.0 b	13.7 a-d	0.0 c	0.0 b	0.0 d	5.0 b	1.7 de	0.0 c	99.0 a
6	AATREX AGRIDEX	4 L 4 L		32.0 oz/a 32.0 oz/a 1.0 % v/v	PRE POST POST	A B B	8.3 bc	0.0 b	13.7 a-d	99.0 a	99.0 a	73.3 c	5.0 b	0.0 e	0.0 c	99.0 a
7	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	10.0 b	0.0 b	12.0 c-f	16.7 bc	99.0 a	99.0 a	0.0 d	1.7 de	0.0 c	99.0 a
8	OUTLOOK	6 EC		12.8 oz/a	PRE	A	10.0 b	0.0 b	11.0 ef	33.0 b	99.0 a	99.0 a	3.3 bc	0.0 e	0.0 c	99.0 a
9	WARRANT	3 ME		48.0 oz/a	PRE	A	6.7 c	0.0 b	12.7 b-f	33.3 b	99.0 a	99.0 a	3.3 bc	0.0 e	0.0 c	99.0 a
10	CALLISTO	4 SC		6.4 oz/a	PRE	A	15.0 a	16.7 a	13.0 b-e	99.0 a	99.0 a	99.0 a	1.7 cd	3.3 d	0.0 c	99.0 a
11	SANDEA INDUCE	75 WG		0.67 oz/a 0.25 % v/v	POST POST	B B	0.0 d	0.0 b	13.0 b-e	0.0 c	0.0 b	0.0 d	0.0 d	1.7 de	0.0 c	20.0 c
12	HUSKIE AATREX INDUCE	2.06 EC 4 L		13.0 oz/a 16.0 oz/a 0.25 % v/v	POST POST POST	B B B	0.0 d	0.0 b	12.7 b-f	0.0 c	0.0 b	0.0 d	10.0 a	16.7 a	0.0 c	99.0 a
13	ENLIST ONE	3.8 SL		16.0 oz/a	POST	B	0.0 d	0.0 b	14.7 ab	0.0 c	0.0 b	0.0 d	0.0 d	1.7 de	13.3 a	26.7 b
14	ENGENIA	5 SL		6.4 oz/a	POST	B	0.0 d	0.0 b	13.3 a-d	0.0 c	0.0 b	0.0 d	5.0 b	3.3 d	15.0 a	26.7 b
15	ENLIST ONE AATREX AGRIDEX	3.8 SL 4 L		16.0 oz/a 32.0 oz/a 1.0 % v/v	POST POST POST	B B B	0.0 d	0.0 b	15.3 a	0.0 c	0.0 b	0.0 d	5.0 b	8.3 c	8.3 b	99.0 a
16	ENGENIA AATREX AGRIDEX	5 SL 4 L		6.4 oz/a 32.0 oz/a 1.0 % v/v	POST POST POST	B B B	0.0 d	0.0 b	14.7 ab	0.0 c	0.0 b	0.0 d	5.0 b	11.7 b	11.7 ab	99.0 a
LSD P=.10					2.27	1.00	2.20	24.61	.	7.71	3.30	3.13	4.62	3.04		
Standard Deviation					1.64	0.72	1.59	17.76	0.00	5.56	2.38	2.26	3.33	2.19		
CV					37.37	69.28	12.07	59.31	0.0	13.53	78.75	69.96	110.34	2.79		
Grand Mean					4.38	1.04	13.15	29.94	43.31	41.13	3.02	3.23	3.02	78.67		

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.
 Could not calculate LSD (% mean diff) for columns 5 because error mean square = 0.
 ^Calculated from residual.

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Weed Code					Molve	Rapra	Agrass	-----	-----	Amapa	Rapra	Agrass	Amapa		
Crop Code					-----	-----	-----	SORBI	SORBI	-----	-----	-----	-----		
Rating Data Type					Control	Control	Control	Stunting	Bleaching	Control	Control	Control	Control		
Rating Unit					%	%	%	%	%	%	%	%	%		
Rating Date					May-1-23	May-1-23	May-1-23	May-11-23	May-11-23	May-11-23	May-11-23	May-11-23	May-31-23		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	11	12	13	14	15	16	17	18	19
1	NTC						0.0 e	0.0 e	0.0 c	0.0 e	0.0 b	0.0 g	0.0 e	0.0 g	0.0 e
2	AATREX	4 L		32.0 oz/a	PRE	A	99.0 a	96.0 ab	26.7 c	10.0 ab	0.0 b	68.3 d	61.7 bc	55.0 cd	50.0 d
3	AATREX	4 L		64.0 oz/a	PRE	A	99.0 a	91.3 b	28.3 bc	10.0 ab	0.0 b	71.7 d	65.0 b	66.7 a-d	48.3 d
4	AATREX AGRIDEX	4 L		32.0 oz/a 1.0 % v/v	POST POST	B B	99.0 a	97.7 a	0.0 c	0.0 e	0.0 b	92.7 ab	99.0 a	23.3 efg	88.3 a
5	AATREX AGRIDEX	4 L		64.0 oz/a 1.0 % v/v	POST POST	B B	99.0 a	99.0 a	28.3 bc	10.0 ab	0.0 b	99.0 a	99.0 a	61.7 bcd	91.7 a
6	AATREX AGRIDEX	4 L 4 L		32.0 oz/a 32.0 oz/a 1.0 % v/v	PRE POST POST	A B B	99.0 a	99.0 a	0.0 c	8.3 bc	0.0 b	86.3 bc	55.0 cd	48.3 de	65.0 bc
7	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	97.7 a	0.0 e	97.7 a	3.3 de	0.0 b	97.7 ab	0.0 e	95.0 a	90.0 a
8	OUTLOOK	6 EC		12.8 oz/a	PRE	A	99.0 a	0.0 e	94.3 a	0.0 e	0.0 b	97.7 ab	0.0 e	91.7 ab	71.7 b
9	WARRANT	3 ME		48.0 oz/a	PRE	A	93.0 b	0.0 e	64.7 ab	3.3 de	0.0 b	93.0 ab	0.0 e	83.3 abc	93.3 a
10	CALLISTO	4 SC		6.4 oz/a	PRE	A	99.0 a	94.3 ab	30.0 bc	5.0 cd	0.0 b	80.0 cd	65.0 b	63.3 bcd	61.7 c
11	SANDEA INDUCE	75 WG		0.67 oz/a 0.25 % v/v	POST POST	B B	16.7 d	16.7 d	0.0 c	3.3 de	0.0 b	23.3 f	97.7 a	21.7 efg	0.0 e
12	HUSKIE AATREX INDUCE	2.06 EC 4 L		13.0 oz/a 16.0 oz/a 0.25 % v/v	POST POST POST	B B B	99.0 a	99.0 a	0.0 c	13.3 a	8.3 a	99.0 a	99.0 a	16.7 fg	93.3 a
13	ENLIST ONE	3.8 SL		16.0 oz/a	POST	B	26.7 c	26.7 c	0.0 c	8.3 bc	0.0 b	50.0 e	97.7 a	0.0 g	50.0 d
14	ENGENIA	5 SL		6.4 oz/a	POST	B	26.7 c	23.3 c	0.0 c	11.7 ab	0.0 b	43.3 e	46.7 d	38.3 def	50.0 d
15	ENLIST ONE AATREX AGRIDEX	3.8 SL 4 L		16.0 oz/a 32.0 oz/a 1.0 % v/v	POST POST POST	B B B	99.0 a	99.0 a	0.0 c	11.7 ab	0.0 b	99.0 a	99.0 a	51.7 de	95.0 a
16	ENGENIA AATREX AGRIDEX	5 SL 4 L		6.4 oz/a 32.0 oz/a 1.0 % v/v	POST POST POST	B B B	99.0 a	99.0 a	0.0 c	8.3 bc	0.0 b	97.7 ab	99.0 a	10.0 fg	93.3 a
LSD P=.10					4.18	5.48	37.01	4.95	2.65	11.69	9.80	31.30	8.44		
Standard Deviation					3.02	3.95	26.70	3.57	1.91	8.44	7.07	22.59	6.09		
CV					3.86	6.72	115.47	53.62	366.61	11.26	11.5	49.74	9.36		
Grand Mean					78.17	58.81	23.13	6.67	0.52	74.92	61.48	45.42	65.10		

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
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 Could not calculate LSD (% mean diff) for columns 5 because error mean square = 0.
 ^Calculated from residual.

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Trial ID: SS-01-23 Study Dir.: N. SHAY/JACOB WILLIAMS Location: PONDER FARM Investigator: Eric P. Prostko						
Randomized Complete Block (RCB) AOV For ----- SORBI Stunting % Apr-18-23 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1381.250000				
Replicate	2	3.125000	1.562500	0.584	0.5637	
Treatment	15	1297.916667	86.527778	32.364	0.0001	
Error	30	80.208333	2.673611			
Randomized Complete Block (RCB) AOV For ----- SORBI Bleaching % Apr-18-23 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	797.916667				
Replicate	2	1.041667	0.520833	1.000	0.3798	
Treatment	15	781.250000	52.083333	100.000	0.0001	
Error	30	15.625000	0.520833			
Randomized Complete Block (RCB) AOV For ---- SORBI #/5ft Apr-18-23 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	159.979167				
Replicate	2	3.791667	1.895833	0.753	0.4797	
Treatment	15	80.645833	5.376389	2.135	0.0376	
Error	30	75.541667	2.518056			
Randomized Complete Block (RCB) AOV For Rapra ----- Control % Apr-18-23 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	91892.812500				
Replicate	2	408.375000	204.187500	0.648	0.5305	
Treatment	15	82025.479167	5468.365278	17.343	0.0001	
Error	30	9458.958333	315.298611			
Randomized Complete Block (RCB) AOV For Amapa ---- Control % Apr-18-23 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	115774.312500				
Replicate	2	0.000000	0.000000	0.000	1.0000	
Treatment	15	115774.312500	7718.287500	0.000	1.0000	
Error	30	0.000000	0.000000			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % Apr-18-23 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	107035.250000				
Replicate	2	18.375000	9.187500	0.297	0.7454	
Treatment	15	106087.916667	7072.527778	228.402	0.0001	
Error	30	928.958333	30.965278			
Randomized Complete Block (RCB) AOV For ----- SORBI Bleaching % May-1-23 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	536.979167				
Replicate	2	13.541667	6.770833	1.196	0.3163	
Treatment	15	353.645833	23.576389	4.166	0.0004	
Error	30	169.791667	5.659722			
Randomized Complete Block (RCB) AOV For ----- SORBI Necrosis % May-1-23 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1224.479167				
Replicate	2	13.541667	6.770833	1.327	0.2805	
Treatment	15	1057.812500	70.520833	13.816	0.0001	
Error	30	153.125000	5.104167			
Randomized Complete Block (RCB) AOV For ----- SORBI Epinasty % May-1-23 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1786.979167				
Replicate	2	66.666667	33.333333	3.000	0.0649	
Treatment	15	1386.979167	92.465278	8.322	0.0001	
Error	30	333.333333	11.111111			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-1-23 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	59838.666667				
Replicate	2	10.166667	5.083333	1.055	0.3606	
Treatment	15	59684.000000	3978.933333	826.076	0.0001	
Error	30	144.500000	4.816667			

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SWEET SORGHUM RESPONSE TO HERBICIDES						
Trial ID: SS-01-23 Study Dir.: N. SHAY/JACOB WILLIAMS Location: PONDER FARM Investigator: Eric P. Prostko						
Randomized Complete Block (RCB) AOV For Molve ----- Control % May-1-23 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	60726.666667				
Replicate	2	41.166667	20.583333	2.258	0.1221	
Treatment	15	60412.000000	4027.466667	441.770	0.0001	
Error	30	273.500000	9.116667			
Randomized Complete Block (RCB) AOV For Rapra ----- Control % May-1-23 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	94069.312500				
Replicate	2	27.375000	13.687500	0.876	0.4267	
Treatment	15	93573.312500	6238.220833	399.353	0.0001	
Error	30	468.625000	15.620833			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-1-23 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	77561.250000				
Replicate	2	4330.500000	2165.250000	3.037	0.0630	
Treatment	15	51839.250000	3455.950000	4.847	0.0001	
Error	30	21391.500000	713.050000			
Randomized Complete Block (RCB) AOV For ----- SORBI Stunting % May-11-23 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	1316.666667				
Replicate	2	16.666667	8.333333	0.652	0.5281	
Treatment	15	916.666667	61.111111	4.783	0.0001	
Error	30	383.333333	12.777778			
Randomized Complete Block (RCB) AOV For ----- SORBI Bleaching % May-11-23 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	311.979167				
Replicate	2	7.291667	3.645833	1.000	0.3798	
Treatment	15	195.312500	13.020833	3.571	0.0015	
Error	30	109.375000	3.645833			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-11-23 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	44293.666667				
Replicate	2	48.291667	24.145833	0.339	0.7151	
Treatment	15	42109.666667	2807.311111	39.434	0.0001	
Error	30	2135.708333	71.190278			
Randomized Complete Block (RCB) AOV For Rapra ----- Control % May-11-23 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	76843.979167				
Replicate	2	155.041667	77.520833	1.551	0.2286	
Treatment	15	75189.312500	5012.620833	100.277	0.0001	
Error	30	1499.625000	49.987500			
Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-11-23 (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	59341.666667				
Replicate	2	476.041667	238.020833	0.466	0.6317	
Treatment	15	43558.333333	2903.888889	5.691	0.0001	
Error	30	15307.291667	510.243056			
Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-31-23 (Data Column 19)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	
Total	47	45224.479167				
Replicate	2	169.791667	84.895833	2.287	0.1190	
Treatment	15	43941.145833	2929.409722	78.921	0.0001	
Error	30	1113.541667	37.118056			
Rating Unit % = PERCENT						

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SWEET SORGHUM RESPONSE TO HERBICIDES	
Trial ID: SS-01-23	Study Dir.: N. SHAY/JACOB WILLIAMS
Location: PONDER FARM	Investigator: Eric P. Prostko

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Stg	Appl Code	Plot	SORBI	SORBI	SORBI	Rapra	Amapa	Agrass	SORBI	SORBI	SORBI	
													Stunting %	Bleaching %	#/5ft	Control %	Control %	Control %	Bleaching %	Necrosis %	Epinasty %	
													Apr-18-23	Apr-18-23	Apr-18-23	Apr-18-23	Apr-18-23	Apr-18-23	Apr-18-23	May-1-23	May-1-23	May-1-23
													1	2	3	4	5	6	7	8	9	
					1	NTC						101	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	
												210	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	
												301	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	
												Mean =	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	
					2	AATREX	4 L		32.0 oz/a	PRE	A	102	10.0	0.0	11.0	99.0	99.0	85.0	0.0	0.0	0.0	
												207	10.0	0.0	11.0	99.0	99.0	85.0	0.0	0.0	0.0	
												313	10.0	0.0	13.0	99.0	99.0	99.0	5.0	0.0	0.0	
												Mean =	10.0	0.0	11.7	99.0	99.0	89.7	1.7	0.0	0.0	
					3	AATREX	4 L		64.0 oz/a	PRE	A	103	10.0	0.0	12.0	99.0	99.0	99.0	0.0	0.0	0.0	
												216	10.0	0.0	10.0	99.0	99.0	99.0	0.0	0.0	0.0	
												314	10.0	0.0	10.0	99.0	99.0	99.0	0.0	0.0	0.0	
												Mean =	10.0	0.0	10.7	99.0	99.0	99.0	0.0	0.0	0.0	
					4	AATREX	4 L		32.0 oz/a	POST	B	104	0.0	0.0	15.0	0.0	0.0	0.0	5.0	0.0	0.0	
						AGRIDEX			1.0 % v/v	POST	B	212	0.0	0.0	14.0	0.0	0.0	0.0	5.0	0.0	0.0	
												308	0.0	0.0	14.0	0.0	0.0	0.0	0.0	5.0	0.0	
												Mean =	0.0	0.0	14.3	0.0	0.0	0.0	3.3	1.7	0.0	
					5	AATREX	4 L		64.0 oz/a	POST	B	105	0.0	0.0	12.0	0.0	0.0	0.0	5.0	0.0	0.0	
						AGRIDEX			1.0 % v/v	POST	B	209	0.0	0.0	17.0	0.0	0.0	0.0	5.0	0.0	0.0	
												302	0.0	0.0	12.0	0.0	0.0	0.0	5.0	5.0	0.0	
												Mean =	0.0	0.0	13.7	0.0	0.0	0.0	5.0	1.7	0.0	
					6	AATREX	4 L		32.0 oz/a	PRE	A	106	10.0	0.0	13.0	99.0	99.0	85.0	5.0	0.0	0.0	
						AATREX	4 L		32.0 oz/a	POST	B	201	10.0	0.0	14.0	99.0	99.0	85.0	5.0	0.0	0.0	
						AGRIDEX			1.0 % v/v	POST	B	316	5.0	0.0	14.0	99.0	99.0	50.0	5.0	0.0	0.0	
												Mean =	8.3	0.0	13.7	99.0	99.0	73.3	5.0	0.0	0.0	
					7	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	107	10.0	0.0	13.0	50.0	99.0	99.0	0.0	0.0	0.0	
												205	10.0	0.0	10.0	0.0	99.0	99.0	0.0	5.0	0.0	
												309	10.0	0.0	13.0	0.0	99.0	99.0	0.0	0.0	0.0	
												Mean =	10.0	0.0	12.0	16.7	99.0	99.0	0.0	1.7	0.0	
					8	OUTLOOK	6 EC		12.8 oz/a	PRE	A	108	10.0	0.0	12.0	0.0	99.0	99.0	5.0	0.0	0.0	
												202	10.0	0.0	11.0	0.0	99.0	99.0	0.0	0.0	0.0	
												315	10.0	0.0	10.0	99.0	99.0	99.0	5.0	0.0	0.0	
												Mean =	10.0	0.0	11.0	33.0	99.0	99.0	3.3	0.0	0.0	
					9	WARRANT	3 ME		48.0 oz/a	PRE	A	109	0.0	0.0	13.0	0.0	99.0	99.0	10.0	0.0	0.0	
												203	10.0	0.0	13.0	50.0	99.0	99.0	0.0	0.0	0.0	
												305	10.0	0.0	12.0	50.0	99.0	99.0	0.0	0.0	0.0	
												Mean =	6.7	0.0	12.7	33.3	99.0	99.0	3.3	0.0	0.0	
					10	CALLISTO	4 SC		6.4 oz/a	PRE	A	110	15.0	15.0	10.0	99.0	99.0	99.0	5.0	5.0	0.0	
												213	15.0	20.0	14.0	99.0	99.0	99.0	0.0	5.0	0.0	
												311	15.0	15.0	15.0	99.0	99.0	99.0	0.0	0.0	0.0	
												Mean =	15.0	16.7	13.0	99.0	99.0	99.0	1.7	3.3	0.0	
					11	SANDEA	75 WG		0.67 oz/a	POST	B	111	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	
						INDUCE			0.25 % v/v	POST	B	214	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	
												304	0.0	0.0	12.0	0.0	0.0	0.0	0.0	5.0	0.0	
												Mean =	0.0	0.0	13.0	0.0	0.0	0.0	0.0	1.7	0.0	
					12	HUSKIE	2.06 EC		13.0 oz/a	POST	B	112	0.0	0.0	11.0	0.0	0.0	0.0	10.0	15.0	0.0	
						AATREX	4 L		16.0 oz/a	POST	B	215	0.0	0.0	14.0	0.0	0.0	0.0	10.0	15.0	0.0	
						INDUCE			0.25 % v/v	POST	B	306	0.0	0.0	13.0	0.0	0.0	0.0	10.0	20.0	0.0	
												Mean =	0.0	0.0	12.7	0.0	0.0	0.0	10.0	16.7	0.0	
					13	ENLIST ONE	3.8 SL		16.0 oz/a	POST	B	113	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	15.0	
												204	0.0	0.0	17.0	0.0	0.0	0.0	0.0	5.0	10.0	
												303	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	15.0	
												Mean =	0.0	0.0	14.7	0.0	0.0	0.0	0.0	1.7	13.3	
					14	ENGENIA	5 SL		6.4 oz/a	POST	B	114	0.0	0.0	14.0	0.0	0.0	0.0	5.0	5.0	10.0	
												206	0.0	0.0	12.0	0.0	0.0	0.0	5.0	5.0	15.0	
												307	0.0	0.0	14.0	0.0	0.0	0.0	5.0	0.0	20.0	
												Mean =	0.0	0.0	13.3	0.0	0.0	0.0	5.0	3.3	15.0	

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SWEET SORGHUM RESPONSE TO HERBICIDES

Trial ID: SS-01-23 Study Dir.: N. SHAY/JACOB WILLIAMS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						-----	-----	----	Rapra	Amapa	Agrass	-----	-----	-----			
Crop Code						SORBI	SORBI	SORBI	-----	-----	-----	SORBI	SORBI	SORBI			
Rating Data Type						Stunting	Bleaching	#/5ft	Control	Control	Control	Bleaching	Necrosis	Epinasty			
Rating Unit						%	%		%	%	%	%	%	%			
Rating Date						Apr-18-23	Apr-18-23	Apr-18-23	Apr-18-23	Apr-18-23	Apr-18-23	May-1-23	May-1-23	May-1-23			
Trt	Treatment	Form	Form	Rate	Grow	Appl											
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6	7	8	9
15	ENLIST ONE	3.8	SL	16.0	oz/a	POST	B	115	0.0	0.0	15.0	0.0	0.0	0.0	5.0	5.0	0.0
	AATREX	4	L	32.0	oz/a	POST	B	211	0.0	0.0	16.0	0.0	0.0	0.0	5.0	10.0	5.0
	AGRIDEX			1.0	% v/v	POST	B	312	0.0	0.0	15.0	0.0	0.0	0.0	5.0	10.0	20.0
								Mean =	0.0	0.0	15.3	0.0	0.0	0.0	5.0	8.3	8.3
16	ENGENIA	5	SL	6.4	oz/a	POST	B	116	0.0	0.0	14.0	0.0	0.0	0.0	5.0	10.0	10.0
	AATREX	4	L	32.0	oz/a	POST	B	208	0.0	0.0	15.0	0.0	0.0	0.0	10.0	15.0	5.0
	AGRIDEX			1.0	% v/v	POST	B	310	0.0	0.0	15.0	0.0	0.0	0.0	0.0	10.0	20.0
								Mean =	0.0	0.0	14.7	0.0	0.0	0.0	5.0	11.7	11.7

University of Georgia

SWEET SORGHUM RESPONSE TO HERBICIDES

Trial ID: SS-01-23 Study Dir.: N. SHAY/JACOB WILLIAMS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code			Amapa	Molve	Rapra	Agrass	-----	-----	Amapa	Rapra	Agrass						
Crop Code			-----	-----	-----	-----	SORBI	SORBI	-----	-----	-----						
Rating Data Type			Control	Control	Control	Control	Stunting	Bleaching	Control	Control	Control						
Rating Unit			%	%	%	%	%	%	%	%	%						
Rating Date			May-1-23	May-1-23	May-1-23	May-1-23	May-11-23	May-11-23	May-11-23	May-11-23	May-11-23						
Trt	Treatment	Form	Form	Rate	Grow	Appl											
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	10	11	12	13	14	15	16	17	18
1	NTC							101	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								210	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								301	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	0.0	0.0	0.0
2	AATREX	4 L		32.0 oz/a		PRE	A	102	99.0	99.0	99.0	80.0	10.0	0.0	65.0	75.0	50.0
								207	99.0	99.0	99.0	0.0	10.0	0.0	65.0	60.0	50.0
								313	99.0	99.0	90.0	0.0	10.0	0.0	75.0	50.0	65.0
								Mean =	99.0	99.0	96.0	26.7	10.0	0.0	68.3	61.7	55.0
3	AATREX	4 L		64.0 oz/a		PRE	A	103	95.0	99.0	90.0	85.0	10.0	0.0	65.0	80.0	85.0
								216	99.0	99.0	99.0	0.0	10.0	0.0	90.0	65.0	65.0
								314	99.0	99.0	85.0	0.0	10.0	0.0	60.0	50.0	50.0
								Mean =	97.7	99.0	91.3	28.3	10.0	0.0	71.7	65.0	66.7
4	AATREX	4 L		32.0 oz/a		POST	B	104	95.0	99.0	95.0	0.0	0.0	0.0	80.0	99.0	20.0
	AGRIDEX			1.0 % v/v		POST	B	212	99.0	99.0	99.0	0.0	0.0	0.0	99.0	99.0	0.0
								308	99.0	99.0	99.0	0.0	0.0	0.0	99.0	99.0	50.0
								Mean =	97.7	99.0	97.7	0.0	0.0	0.0	92.7	99.0	23.3
5	AATREX	4 L		64.0 oz/a		POST	B	105	99.0	99.0	99.0	0.0	10.0	0.0	99.0	99.0	50.0
	AGRIDEX			1.0 % v/v		POST	B	209	99.0	99.0	99.0	85.0	15.0	0.0	99.0	99.0	85.0
								302	99.0	99.0	99.0	0.0	5.0	0.0	99.0	99.0	50.0
								Mean =	99.0	99.0	99.0	28.3	10.0	0.0	99.0	99.0	61.7
6	AATREX	4 L		32.0 oz/a		PRE	A	106	99.0	99.0	99.0	0.0	10.0	0.0	95.0	50.0	65.0
	AATREX	4 L		32.0 oz/a		POST	B	201	99.0	99.0	99.0	0.0	5.0	0.0	99.0	65.0	30.0
	AGRIDEX			1.0 % v/v		POST	B	316	99.0	99.0	99.0	0.0	10.0	0.0	65.0	50.0	50.0
								Mean =	99.0	99.0	99.0	0.0	8.3	0.0	86.3	55.0	48.3
7	DUAL MAGNUM	7.62 EC		16.0 oz/a		PRE	A	107	99.0	99.0	0.0	99.0	10.0	0.0	95.0	0.0	95.0
								205	99.0	95.0	0.0	99.0	0.0	0.0	99.0	0.0	95.0
								309	99.0	99.0	0.0	95.0	0.0	0.0	99.0	0.0	95.0
								Mean =	99.0	97.7	0.0	97.7	3.3	0.0	97.7	0.0	95.0
8	OUTLOOK	6 EC		12.8 oz/a		PRE	A	108	99.0	99.0	0.0	99.0	0.0	0.0	99.0	0.0	95.0
								202	99.0	99.0	0.0	99.0	0.0	0.0	99.0	0.0	95.0
								315	99.0	99.0	0.0	85.0	0.0	0.0	95.0	0.0	85.0
								Mean =	99.0	99.0	0.0	94.3	0.0	0.0	97.7	0.0	91.7
9	WARRANT	3 ME		48.0 oz/a		PRE	A	109	99.0	99.0	0.0	99.0	0.0	0.0	90.0	0.0	90.0
								203	99.0	85.0	0.0	95.0	10.0	0.0	99.0	0.0	95.0
								305	99.0	95.0	0.0	0.0	0.0	0.0	90.0	0.0	65.0
								Mean =	99.0	93.0	0.0	64.7	3.3	0.0	93.0	0.0	83.3
10	CALLISTO	4 SC		6.4 oz/a		PRE	A	110	99.0	99.0	99.0	90.0	5.0	0.0	80.0	60.0	75.0
								213	99.0	99.0	99.0	0.0	0.0	0.0	65.0	85.0	50.0
								311	99.0	99.0	85.0	0.0	10.0	0.0	95.0	50.0	65.0
								Mean =	99.0	99.0	94.3	30.0	5.0	0.0	80.0	65.0	63.3
11	SANDEA	75 WG		0.67 oz/a		POST	B	111	20.0	20.0	20.0	0.0	10.0	0.0	30.0	95.0	65.0
	INDUCE			0.25 % v/v		POST	B	214	20.0	10.0	10.0	0.0	0.0	0.0	20.0	99.0	0.0
								304	20.0	20.0	20.0	0.0	0.0	0.0	20.0	99.0	0.0
								Mean =	20.0	16.7	16.7	0.0	3.3	0.0	23.3	97.7	21.7
12	HUSKIE	2.06 EC		13.0 oz/a		POST	B	112	99.0	99.0	99.0	0.0	15.0	10.0	99.0	99.0	0.0
	AATREX	4 L		16.0 oz/a		POST	B	215	99.0	99.0	99.0	0.0	15.0	0.0	99.0	99.0	0.0
	INDUCE			0.25 % v/v		POST	B	306	99.0	99.0	99.0	0.0	10.0	15.0	99.0	99.0	50.0
								Mean =	99.0	99.0	99.0	0.0	13.3	8.3	99.0	99.0	16.7
13	ENLIST ONE	3.8 SL		16.0 oz/a		POST	B	113	30.0	30.0	30.0	0.0	10.0	0.0	50.0	99.0	0.0
								204	20.0	20.0	20.0	0.0	10.0	0.0	50.0	95.0	0.0
								303	30.0	30.0	30.0	0.0	5.0	0.0	50.0	99.0	0.0
								Mean =	26.7	26.7	26.7	0.0	8.3	0.0	50.0	97.7	0.0
14	ENGENIA	5 SL		6.4 oz/a		POST	B	114	20.0	20.0	20.0	0.0	10.0	0.0	50.0	50.0	0.0
								206	30.0	30.0	30.0	0.0	10.0	0.0	40.0	40.0	65.0
								307	30.0	30.0	20.0	0.0	15.0	0.0	40.0	50.0	50.0
								Mean =	26.7	26.7	23.3	0.0	11.7	0.0	43.3	46.7	38.3

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SWEET SORGHUM RESPONSE TO HERBICIDES

Trial ID: SS-01-23 Study Dir.: N. SHAY/JACOB WILLIAMS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						Amapa	Molve	Rapra	Agrass	-----	-----	Amapa	Rapra	Agrass			
Crop Code						-----	-----	-----	-----	SORBI	SORBI	-----	-----	-----			
Rating Data Type						Control	Control	Control	Control	Stunting	Bleaching	Control	Control	Control			
Rating Unit						%	%	%	%	%	%	%	%	%			
Rating Date						May-1-23	May-1-23	May-1-23	May-1-23	May-11-23	May-11-23	May-11-23	May-11-23	May-11-23			
Trt	Treatment	Form	Form	Rate	Grow	Appl											
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	10	11	12	13	14	15	16	17	18
15	ENLIST ONE	3.8	SL	16.0	oz/a	POST	B	115	99.0	99.0	99.0	0.0	10.0	0.0	99.0	99.0	75.0
	AATREX	4	L	32.0	oz/a	POST	B	211	99.0	99.0	99.0	0.0	10.0	0.0	99.0	99.0	80.0
	AGRIDEX			1.0	% v/v	POST	B	312	99.0	99.0	99.0	0.0	15.0	0.0	99.0	99.0	0.0
								Mean =	99.0	99.0	99.0	0.0	11.7	0.0	99.0	99.0	51.7
16	ENGENIA	5	SL	6.4	oz/a	POST	B	116	99.0	99.0	99.0	0.0	10.0	0.0	95.0	99.0	30.0
	AATREX	4	L	32.0	oz/a	POST	B	208	99.0	99.0	99.0	0.0	5.0	0.0	99.0	99.0	0.0
	AGRIDEX			1.0	% v/v	POST	B	310	99.0	99.0	99.0	0.0	10.0	0.0	99.0	99.0	0.0
								Mean =	99.0	99.0	99.0	0.0	8.3	0.0	97.7	99.0	10.0

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SWEET SORGHUM RESPONSE TO HERBICIDES

Trial ID: SS-01-23 Study Dir.: N. SHAY/JACOB WILLIAMS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code		Amapa					
Crop Code		-----					
Rating Data Type		Control					
Rating Unit		%					
Rating Date		May-31-23					
Trt No.	Treatment Name	Form Conc	Rate Unit	Grow Stg	Appl Code	Plot	19
1	NTC					101	0.0
						210	0.0
						301	0.0
						Mean =	0.0
2	AATREX	4 L	32.0 oz/a	PRE	A	102	50.0
						207	50.0
						313	50.0
						Mean =	50.0
3	AATREX	4 L	64.0 oz/a	PRE	A	103	30.0
						216	65.0
						314	50.0
						Mean =	48.3
4	AATREX	4 L	32.0 oz/a	POST	B	104	75.0
	AGRINDEX		1.0 % v/v	POST	B	212	95.0
						308	95.0
						Mean =	88.3
5	AATREX	4 L	64.0 oz/a	POST	B	105	95.0
	AGRINDEX		1.0 % v/v	POST	B	209	90.0
						302	90.0
						Mean =	91.7
6	AATREX	4 L	32.0 oz/a	PRE	A	106	65.0
	AATREX	4 L	32.0 oz/a	POST	B	201	65.0
	AGRINDEX		1.0 % v/v	POST	B	316	65.0
						Mean =	65.0
7	DUAL MAGNUM	7.62 EC	16.0 oz/a	PRE	A	107	85.0
						205	90.0
						309	95.0
						Mean =	90.0
8	OUTLOOK	6 EC	12.8 oz/a	PRE	A	108	65.0
						202	65.0
						315	85.0
						Mean =	71.7
9	WARRANT	3 ME	48.0 oz/a	PRE	A	109	95.0
						203	95.0
						305	90.0
						Mean =	93.3
10	CALLISTO	4 SC	6.4 oz/a	PRE	A	110	60.0
						213	60.0
						311	65.0
						Mean =	61.7
11	SANDEA	75 WG	0.67 oz/a	POST	B	111	0.0
	INDUCE		0.25 % v/v	POST	B	214	0.0
						304	0.0
						Mean =	0.0
12	HUSKIE	2.06 EC	13.0 oz/a	POST	B	112	95.0
	AATREX	4 L	16.0 oz/a	POST	B	215	90.0
	INDUCE		0.25 % v/v	POST	B	306	95.0
						Mean =	93.3
13	ENLIST ONE	3.8 SL	16.0 oz/a	POST	B	113	50.0
						204	50.0
						303	50.0
						Mean =	50.0
14	ENGENIA	5 SL	6.4 oz/a	POST	B	114	50.0
						206	50.0
						307	50.0
						Mean =	50.0

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SWEET SORGHUM RESPONSE TO HERBICIDES

Trial ID: SS-01-23 Study Dir.: N. SHAY/JACOB WILLIAMS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						Amapa	
Crop Code						----	
Rating Data Type						Control	
Rating Unit						%	
Rating Date						May-31-23	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code Plot	
15	ENLIST ONE	3.8 SL		16.0 oz/a	POST B	115	95.0
	AATREX	4 L		32.0 oz/a	POST B	211	95.0
	AGRIDEX			1.0 % v/v	POST B	312	95.0
						Mean =	95.0
16	ENGENIA	5 SL		6.4 oz/a	POST B	116	90.0
	AATREX	4 L		32.0 oz/a	POST B	208	95.0
	AGRIDEX			1.0 % v/v	POST B	310	95.0
						Mean =	93.3

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SWEET SORGHUM RESPONSE TO HERBICIDES

Trial ID: SS-01-23 Study Dir.: N. SHAY/JACOB WILLIAMS
Location: PONDER FARM Investigator: Eric P. Prostko

Rating Unit
% = PERCENT