

WEED CONTROL IN SWEET SORGHUM	
Trial ID: SG-01-24	Study Dir.: JACOB WILLIAMS
Location: PONDER FARM	Investigator: Eric P. Prostko

Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Form Unit	Rate Stg	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC							A			-	101	202	303	407
2	CALLISTO DUAL MAGNUM	4 SC 7.62 EC		6.0 oz/a 16.0 oz/a	PRE PRE	A A		15 GPA 15 GPA	4.687 mL/mx 12.5 mL/mx	1482.8 mL	102	204	305	401	
3	CALLISTO AATREX	4 SC 4 L		6.0 oz/a 32.0 oz/a	PRE PRE	A A		15 GPA 15 GPA	4.687 mL/mx 25.0 mL/mx	1470.3 mL	103	205	307	409	
4	CALLISTO DUAL MAGNUM AATREX	4 SC 7.62 EC 4 L		6.0 oz/a 16.0 oz/a 32.0 oz/a	PRE PRE PRE	A A A		15 GPA 15 GPA 15 GPA	4.687 mL/mx 12.5 mL/mx 25.0 mL/mx	1457.8 mL	104	209	306	408	
5	DUAL MAGNUM AATREX AGRIDEX	7.62 EC 4 L		16.0 oz/a 48.0 oz/a 1.0 % v/v	PRE POST POST	A B B		15 GPA 15 GAL/AC 15 GAL/AC	12.5 mL/mx 37.5 mL/mx 15.0 mL/mx	1487.5 mL 1447.5 mL	105	201	308	405	
6	CALLISTO AATREX AGRIDEX	4 SC 4 L		6.0 oz/a 48.0 oz/a 1.0 % v/v	PRE POST POST	A B B		15 GPA 15 GAL/AC 15 GAL/AC	4.687 mL/mx 37.5 mL/mx 15.0 mL/mx	1495.3 mL 1447.5 mL	106	203	309	402	
7	CALLISTO AATREX DUAL MAGNUM	4 SC 4 L 7.62 EC		6.0 oz/a 48.0 oz/a 16.0 oz/a	PRE POST POST	A B B		15 GPA 15 GAL/AC 15 GAL/AC	4.687 mL/mx 37.5 mL/mx 12.5 mL/mx	1495.3 mL 1450 mL	107	206	301	404	
8	AATREX HUSKIE AATREX INDUCE	4 L 2.06 EC 4 L		32.0 oz/a 16.0 oz/a 32.0 oz/a 0.25 % v/v	PRE POST POST POST	A B B B		15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC	25.0 mL/mx 12.5 mL/mx 25.0 mL/mx 3.75 mL/mx	1475 mL 1458.8 mL	108	207	302	406	
9	DUAL MAGNUM HUSKIE AATREX INDUCE	7.62 EC 2.06 EC 4 L		16.0 oz/a 16.0 oz/a 32.0 oz/a 0.25 % v/v	PRE POST POST POST	A B B B		15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC	12.5 mL/mx 12.5 mL/mx 25.0 mL/mx 3.75 mL/mx	1487.5 mL 1458.8 mL	109	208	304	403	

Trial Comments

HUSKIE = PYRASULFOTOLE (0.31 LBS/GAL) + BROMOXYNIL (1.71 LBS/GAL)

SUMMARY:

- 1) SORGHUM STAND WAS NOT AFFECTED BY ANY HERBICIDE TREATMENT.
- 2) PRE APPLICATIONS OF CALLISTO CAUSED SIGNIFICANT SORGHUM BLEACHING AND STUNTING.
- 3) ALL PRE TREATMENTS PROVIDED AT LEAST 94% CONTROL OF PALMER AMARANTH FOR 26 DAP.
- 4) GENERALLY, ANNUAL GRASS CONTROL WAS BETTER WHEN DUAL MAGNUM WAS APPLIED PRE.
- 5) PRE APPLIED DUAL WAS LESS EFFECTIVE ON CARPETWEED THAN EITHER CALLISTO OR ATRAZINE.
- 6) POST APPLICATIONS OF HUSKIE CAUSED SLIGHT SORGHUM INJURY ESPECIALLY LEAF REDDENING.
- 7) DUAL (PRE) FB ATRAZINE (POST), CALLISTO (PRE) FB ATRAZINE (POST), CALLISTO (PRE) FB ATRAZINE + DUAL MAGNUM (POST) OR DUAL MAGNUM (PRE) FB HUSKIE + ATRAZINE (POST) ARE POTENTIAL WEED CONTROL PROGRAMS FOR SWEET SORGHUM.
- 8) ATRAZINE AND HUSKIE ARE NOT CURRENTLY LABELED FOR USE IN SWEET SORGHUM.**

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WEED CONTROL IN SWEET SORGHUM

Trial ID: SG-01-24

Study Dir.: JACOB WILLIAMS

Location: PONDER FARM

Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: JACOB WILLIAMS

Title:

Affiliation:

Postal Code:

Investigator: Eric P. Prostko

Title:

Affiliation:

Postal Code:

TRIAL LOCATION

City:

State/Prov.:

Postal Code:

Country:

E-Longitude of LL Corner °:

Altitude of LL Corner:

Unit:

Directions:

Trial Status:

E

Trial Reliability:

Initiation Date:

Planned Completion Date:

N-Latitude of LL Corner °:

Angle y-axis to North °:

COOPERATOR/LANDOWNER

Cooperator:

Org:

Address 1:

Address 2:

City:

State/Prov:

Postal Code:

Country:

Phone No:

Fax No:

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.	AGRASS	TX	APN/CRB/GOOSE/CROW
2.	AMAPA	PA	LMER AMARANTH
3.	MOLVE	CA	RPETWEED

Crop 1: SWEET SORGHUM

Variety: TOP76-6

Planting Date: Apr-24-24

Planting Method: MONOSEM

Rate: 87120 S/A

Depth: 1.25 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: 4

Site Type:

Tillage Type: CONVENTIONAL

Study Design: RACOBL

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.	PEANUT		2023

MAINTENANCE

Field Prep./Maintenance: 1000 LBS/A 5-15-30 - PREPLANT

83-0-0 LBS/A SIDEDRESS: 06/01/24

CONCEP III TREATED SEED + CRUISER 5FS + MAXIM 4FS + APRON XLLS

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WEED CONTROL IN SWEET SORGHUM

Trial ID: SG-01-24

Study Dir.: JACOB WILLIAMS

Location: PONDER FARM

Investigator: Eric P. Prostko

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

% Sand: 96

% Silt: 2

% Clay: 2

% OM: 0.82

pH: 6.9

CEC: 2.9

Texture: SAND

Soil Name: TIFTON

Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-26-24		0.3	IN	SPRINKLER - LATERAL MOVE		
2.	May-4-24		0.9	IN	RAINFALL		
3.	May-9-24		0.75	IN	RAINFALL		
4.	May-10-24		0.75	IN	RAINFALL		
5.	May-13-24		1.1	IN	RAINFALL		
6.	May-17-24		0.96	IN	RAINFALL		
7.	May-18-24		1.35	IN	RAINFALL		
8.	May-19-24		0.69	IN	RAINFALL		
9.	May-25-24		0.44	IN	RAINFALL		
10.	May-27-24		0.62	IN	RAINFALL		
11.	Jun-1-24		0.15	IN	SPRINKLER - LATERAL MOVE		

Overall Moisture Conditions:

Closest Weather Station:

Distance:

Unit:

APPLICATION DESCRIPTION

	A	B
Application Date:	Apr-25-24	May-22-24
Time of Day:	6:50 AM	7:10 AM
Application Method:	BROADCAST	BROADCAST
Application Timing:	PRE	POST
Applic. Placement:	SOIL	FOLIAGE
Air Temp., Unit:	60 F	67 F
% Relative Humidity:	94	97
Wind Velocity, Unit:	0 MPH	0 MPH
Dew Presence (Y/N):	N	Y
Water Hardness:	--	--
Soil Temp., Unit:	66 F	70 F
Soil Moisture:	OPTIMUM	OPTIMUM
% Cloud Cover:	20	5

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	SWEET,	SWEET,
Stage Scale:		4-6LF
Height, Unit:		8, IN

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WEED CONTROL IN SWEET SORGHUM	
Trial ID: SG-01-24	Study Dir.: JACOB WILLIAMS
Location: PONDER FARM	Investigator: Eric P. Prostko

WEED STAGE AT EACH APPLICATION		
	A	B
Weed 1 Code, Stage:	AGRAS,	AGRAS,
Stage Scale:		
Density, Unit:		
Weed 2 Code, Stage:	AMAPA,	AMAPA,
Stage Scale:		
Density, Unit:		
Weed 3 Code, Stage:	MOLVE,	MOLVE,
Stage Scale:		
Density, Unit:		

APPLICATION EQUIPMENT		
	A	B
Appl. Equipment:	BACKPACK	SAME AS A
Operating Pressure:	35	
Nozzle Type:	AIXR	
Nozzle Size:	11002	
Nozzle Spacing, Unit:	20 IN	
Nozzles/Row:		
Band Width, Unit:		
Boom Length, Unit:	20 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 CONTROL IN SWEET SORGHUM													
Trial ID: SG-01-24		Study Dir.: JACOB WILLIAMS											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code							Sorbi	Sorbi	Sorbi	Sorbi	Sorbi	Amapa	Agrass
Crop Code							May-2-24	May-2-24	May-9-24	May-9-24	May-9-24	May-9-24	May-9-24
Rating Date							Stand	Bleaching	Stunting	Stand	Bleaching	Control	Control
Rating Data Type							#/5 FT	%	%	#/5 FT	%	%	%
Rating Unit													
Trt	Treatment	Form	Form	Rate	Grow	Appl	1	2	3	4	5	6	7
No.	Name	Conc	Type	Rate	Unit	Stg	Code						
1	NTC						A	24.0 -	0.0 c	0.0 c	18.5 -	0.0 c	0.0 c
2	CALLISTO	4 SC		6.0 oz/a	PRE	A		22.3 -	17.5 b	10.0 b	21.0 -	8.8 ab	99.0 a
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A							82.5 a
3	CALLISTO	4 SC		6.0 oz/a	PRE	A		21.5 -	15.0 b	23.8 a	18.8 -	6.3 b	99.0 a
	AATREX	4 L		32.0 oz/a	PRE	A							92.3 a
4	CALLISTO	4 SC		6.0 oz/a	PRE	A		21.8 -	13.8 b	22.5 a	17.8 -	6.3 b	99.0 a
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A							92.3 a
	AATREX	4 L		32.0 oz/a	PRE	A							
5	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		21.8 -	0.0 c	3.8 c	18.8 -	0.0 c	97.0 b
	AATREX	4 L		48.0 oz/a	POST	B							90.0 a
	AGRIDEX			1.0 % v/v	POST	B							
6	CALLISTO	4 SC		6.0 oz/a	PRE	A		20.5 -	25.0 a	13.8 b	21.5 -	6.3 b	98.0 ab
	AATREX	4 L		48.0 oz/a	POST	B							77.5 a
	AGRIDEX			1.0 % v/v	POST	B							
7	CALLISTO	4 SC		6.0 oz/a	PRE	A		21.5 -	17.5 b	11.3 b	20.8 -	11.3 a	98.0 ab
	AATREX	4 L		48.0 oz/a	POST	B							87.5 a
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B							
8	AATREX	4 L		32.0 oz/a	PRE	A		23.3 -	1.3 c	11.3 b	20.8 -	1.3 c	99.0 a
	HUSKIE	2.06 EC		16.0 oz/a	POST	B							42.5 b
	AATREX	4 L		32.0 oz/a	POST	B							
	INDUCE			0.25 % v/v	POST	B							
9	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		21.5 -	0.0 c	2.5 c	19.8 -	1.3 c	98.0 ab
	HUSKIE	2.06 EC		16.0 oz/a	POST	B							95.0 a
	AATREX	4 L		32.0 oz/a	POST	B							
	INDUCE			0.25 % v/v	POST	B							
LSD P=.10							4.53	5.51	6.17	3.72	4.56	1.63	22.64
Standard Deviation							3.74	4.56	5.10	3.08	3.77	1.35	18.71
CV							17.02	45.58	46.51	15.61	82.15	1.54	25.54
Grand Mean							22.00	10.00	10.97	19.72	4.58	87.44	73.28
Bartlett's X2^							3.323	7.132	8.541	14.627	8.276	15.015	34.725*
P(Bartlett's X2)							0.913	0.522	0.382	0.067	0.407	0.059	0.00*
Replicate F							0.206	2.228	1.520	1.020	2.139	1.551	1.683
Replicate Prob(F)							0.8911	0.1108	0.2348	0.4013	0.1217	0.2271	0.1972
Treatment F							0.312	18.125	10.547	0.748	4.739	2371.102	11.557
Treatment Prob(F)							0.9538	0.0001	0.0001	0.6498	0.0014	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.

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^Calculated from residual.

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WEED CONTROL IN SWEET SORGHUM

Trial ID: SG-01-24 Study Dir.: JACOB WILLIAMS
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Date Rating Data Type Rating Unit							Molve May-9-24 Control %	Sorbi May-21-24 Stunting %	Sorbi May-21-24 Bleaching %	Amapa May-21-24 Control %	Agrass May-21-24 Control %	Molve May-21-24 Control %
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	8	9	10	11	12	13
1	NTC					A	0.0 na	0.0 d	0.0 -	0.0 d	0.0 d	0.0 c
2	CALLISTO DUAL MAGNUM	4 SC 7.62 EC		6.0 oz/a 16.0 oz/a	PRE PRE	A A	99.0 na	12.5 b	1.3 -	99.0 a	86.3 a	97.0 a
3	CALLISTO AATREX	4 SC 4 L		6.0 oz/a 32.0 oz/a	PRE PRE	A A	99.0 na	22.5 a	0.0 -	99.0 a	63.8 b	99.0 a
4	CALLISTO DUAL MAGNUM AATREX	4 SC 7.62 EC 4 L		6.0 oz/a 16.0 oz/a 32.0 oz/a	PRE PRE PRE	A A A	99.0 na	22.5 a	1.3 -	99.0 a	92.5 a	98.0 a
5	DUAL MAGNUM AATREX AGRIDEX	7.62 EC 4 L		16.0 oz/a 48.0 oz/a 1.0 % v/v	PRE POST POST	A B B	99.0 na	7.5 c	0.0 -	94.8 bc	91.3 a	88.5 b
6	CALLISTO AATREX AGRIDEX	4 SC 4 L		6.0 oz/a 48.0 oz/a 1.0 % v/v	PRE POST POST	A B B	99.0 na	15.0 b	0.0 -	97.0 ab	63.8 b	97.0 a
7	CALLISTO AATREX DUAL MAGNUM	4 SC 4 L 7.62 EC		6.0 oz/a 48.0 oz/a 16.0 oz/a	PRE POST POST	A B B	99.0 na	12.5 b	0.0 -	96.3 bc	63.8 b	98.0 a
8	AATREX HUSKIE AATREX INDUCE	4 L 2.06 EC 4 L		32.0 oz/a 16.0 oz/a 32.0 oz/a 0.25 % v/v	PRE POST POST POST	A B B B	99.0 na	12.5 b	1.3 -	95.8 bc	40.0 c	98.0 a
9	DUAL MAGNUM HUSKIE AATREX INDUCE	7.62 EC 2.06 EC 4 L		16.0 oz/a 16.0 oz/a 32.0 oz/a 0.25 % v/v	PRE POST POST POST	A B B B	99.0 na	3.8 cd	0.0 -	93.8 c	93.8 a	87.0 b
LSD P=.10							.	4.20	1.72	2.65	17.44	7.14
Standard Deviation							0.00	3.47	1.42	2.19	14.42	5.90
CV							0.0	28.71	341.57	2.54	21.81	6.97
Grand Mean							88.00	12.08	0.42	86.06	66.11	84.72
Bartlett's X2^							.	6.569	21.858*	5.944	5.277	20.755*
P(Bartlett's X2)							.	0.584	0.005*	0.654	0.728	0.008*
Replicate F							NaN	3.596	1.257	3.467	3.128	3.397
Replicate Prob(F)							NaN	0.0282	0.3113	0.0319	0.0444	0.0341
Treatment F							NaN	19.212	0.771	871.581	18.206	118.156
Treatment Prob(F)							NaN	0.0001	0.6311	0.0001	0.0001	0.0001

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WEED CONTROL IN SWEET SORGHUM

Trial ID: SG-01-24 Study Dir.: JACOB WILLIAMS
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Date Rating Data Type Rating Unit							Sorbi Jun-7-24 Stunt %	Sorbi Jun-7-24 Bleach %	Sorbi Jun-7-24 Leaf red %	Amapa Jun-7-24 Control %	Agrass Jun-7-24 Control %
Trt	Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	14	15	16	17	18
1	NTC					A	0.0 -	0.0 c	0.0 b	0.0 c	0.0 d
2	CALLISTO DUAL MAGNUM	4 SC 7.62 EC		6.0 oz/a 16.0 oz/a	PRE PRE	A A	2.5 -	0.0 c	0.0 b	80.0 b	68.8 b
3	CALLISTO AATREX	4 SC 4 L		6.0 oz/a 32.0 oz/a	PRE PRE	A A	3.8 -	0.0 c	0.0 b	72.5 b	41.3 c
4	CALLISTO DUAL MAGNUM AATREX	4 SC 7.62 EC 4 L		6.0 oz/a 16.0 oz/a 32.0 oz/a	PRE PRE PRE	A A A	6.3 -	0.0 c	0.0 b	80.0 b	80.0 ab
5	DUAL MAGNUM AATREX AGRINDEX	7.62 EC 4 L		16.0 oz/a 48.0 oz/a 1.0 % v/v	PRE POST POST	A B B	1.3 -	0.0 c	0.0 b	98.0 a	85.0 a
6	CALLISTO AATREX AGRINDEX	4 SC 4 L		6.0 oz/a 48.0 oz/a 1.0 % v/v	PRE POST POST	A B B	3.8 -	0.0 c	1.3 b	98.0 a	80.5 ab
7	CALLISTO AATREX DUAL MAGNUM	4 SC 4 L 7.62 EC		6.0 oz/a 48.0 oz/a 16.0 oz/a	PRE POST POST	A B B	2.5 -	1.3 b	1.3 b	99.0 a	93.5 a
8	AATREX HUSKIE AATREX INDUCE	4 L 2.06 EC 4 L		32.0 oz/a 16.0 oz/a 32.0 oz/a 0.25 % v/v	PRE POST POST POST	A B B B	6.3 -	5.0 a	10.0 a	99.0 a	66.3 b
9	DUAL MAGNUM HUSKIE AATREX INDUCE	7.62 EC 2.06 EC 4 L		16.0 oz/a 16.0 oz/a 32.0 oz/a 0.25 % v/v	PRE POST POST POST	A B B B	2.5 -	5.0 a	8.8 a	99.0 a	92.5 a
LSD P=.10							5.04	1.01	1.72	8.60	15.08
Standard Deviation							4.17	0.83	1.42	7.11	12.47
CV							130.43	66.67	60.28	8.82	18.46
Grand Mean							3.19	1.25	2.36	80.61	67.53
Bartlett's X2^							9.052	38.87*	21.77*	24.749*	12.795
P(Bartlett's X2)							0.338	0.00*	0.005*	0.002*	0.119
Replicate F							1.000	1.000	1.257	1.547	1.784
Replicate Prob(F)							0.4098	0.4098	0.3113	0.2281	0.1771
Treatment F							1.000	27.000	31.971	80.880	23.105
Treatment Prob(F)							0.4613	0.0001	0.0001	0.0001	0.0001

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WEED CONTROL IN SWEET SORGHUM	
Trial ID: SG-01-24	Study Dir.: JACOB WILLIAMS
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit	
% = PERCENT	

University of Georgia

WEED CONTROL IN SWEET SORGHUM

Trial ID: SG-01-24 Study Dir.: JACOB WILLIAMS
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Date Rating Data Type Rating Unit							Sorbi May-2-24 Stand #/5 FT	Sorbi May-2-24 Bleaching %	Sorbi May-9-24 Stunting %	Sorbi May-9-24 Stand #/5 FT	Sorbi May-9-24 Bleaching %	Amapa May-9-24 Control %
Trt	Treatment	Form	Form	Rate	Grow	Appl	1	2	3	4	5	6
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot				
1	NTC					A	101	102	103	104	105	106
							202	204	205	206	207	208
							303	305	307	309	401	403
							407	409	408	404	406	405
							Mean =	Mean =	Mean =	Mean =	Mean =	Mean =
2	CALLISTO	4 SC		6.0 oz/a	PRE	A	102	104	105	106	107	108
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	204	209	210	211	212	213
							305	306	307	308	309	310
							401	402	403	404	405	406
							Mean =	Mean =	Mean =	Mean =	Mean =	Mean =
3	CALLISTO	4 SC		6.0 oz/a	PRE	A	103	104	105	106	107	108
	AATREX	4 L		32.0 oz/a	PRE	A	205	206	207	208	209	210
							307	308	309	310	311	312
							409	410	411	412	413	414
							Mean =	Mean =	Mean =	Mean =	Mean =	Mean =
4	CALLISTO	4 SC		6.0 oz/a	PRE	A	104	105	106	107	108	109
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	209	210	211	212	213	214
	AATREX	4 L		32.0 oz/a	PRE	A	306	307	308	309	310	311
							408	409	410	411	412	413
							Mean =	Mean =	Mean =	Mean =	Mean =	Mean =
5	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	105	106	107	108	109	110
	AATREX	4 L		48.0 oz/a	POST	B	201	202	203	204	205	206
	AGRIDEX			1.0 % v/v	POST	B	308	309	310	311	312	313
							405	406	407	408	409	410
							Mean =	Mean =	Mean =	Mean =	Mean =	Mean =
6	CALLISTO	4 SC		6.0 oz/a	PRE	A	106	107	108	109	110	111
	AATREX	4 L		48.0 oz/a	POST	B	203	204	205	206	207	208
	AGRIDEX			1.0 % v/v	POST	B	309	310	311	312	313	314
							402	403	404	405	406	407
							Mean =	Mean =	Mean =	Mean =	Mean =	Mean =
7	CALLISTO	4 SC		6.0 oz/a	PRE	A	107	108	109	110	111	112
	AATREX	4 L		48.0 oz/a	POST	B	206	207	208	209	210	211
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B	301	302	303	304	305	306
							404	405	406	407	408	409
							Mean =	Mean =	Mean =	Mean =	Mean =	Mean =
8	AATREX	4 L		32.0 oz/a	PRE	A	108	109	110	111	112	113
	HUSKIE	2.06 EC		16.0 oz/a	POST	B	207	208	209	210	211	212
	AATREX	4 L		32.0 oz/a	POST	B	302	303	304	305	306	307
	INDUCE			0.25 % v/v	POST	B	406	407	408	409	410	411
							Mean =	Mean =	Mean =	Mean =	Mean =	Mean =
9	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A	109	110	111	112	113	114
	HUSKIE	2.06 EC		16.0 oz/a	POST	B	208	209	210	211	212	213
	AATREX	4 L		32.0 oz/a	POST	B	304	305	306	307	308	309
	INDUCE			0.25 % v/v	POST	B	403	404	405	406	407	408
							Mean =	Mean =	Mean =	Mean =	Mean =	Mean =

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WEED CONTROL IN SWEET SORGHUM														
Trial ID: SG-01-24		Study Dir.: JACOB WILLIAMS												
Location: PONDER FARM		Investigator: Eric P. Prostko												
Weed Code Crop Code Rating Date Rating Data Type Rating Unit							Agrass May-9-24 Control %	Molve May-9-24 Control %	Sorbi May-21-24 Stunting %	Sorbi May-21-24 Bleaching %	Amapa May-21-24 Control %	Agrass May-21-24 Control %		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	7	8	9	10	11	12
1	NTC						A	101	0.0	0.0	0.0	0.0	0.0	0.0
								202	0.0	0.0	0.0	0.0	0.0	0.0
								303	0.0	0.0	0.0	0.0	0.0	0.0
								407	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
2	CALLISTO	4 SC		6.0 oz/a	PRE	A		102	95.0	99.0	5.0	0.0	99.0	95.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		204	95.0	99.0	15.0	0.0	99.0	90.0
								305	50.0	99.0	15.0	0.0	99.0	65.0
								401	90.0	99.0	15.0	5.0	99.0	95.0
								Mean =	82.5	99.0	12.5	1.3	99.0	86.3
3	CALLISTO	4 SC		6.0 oz/a	PRE	A		103	90.0	99.0	15.0	0.0	99.0	50.0
	AATREX	4 L		32.0 oz/a	PRE	A		205	85.0	99.0	25.0	0.0	99.0	50.0
								307	95.0	99.0	20.0	0.0	99.0	65.0
								409	99.0	99.0	30.0	0.0	99.0	90.0
								Mean =	92.3	99.0	22.5	0.0	99.0	63.8
4	CALLISTO	4 SC		6.0 oz/a	PRE	A		104	95.0	99.0	20.0	5.0	99.0	95.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		209	80.0	99.0	25.0	0.0	99.0	90.0
	AATREX	4 L		32.0 oz/a	PRE	A		306	95.0	99.0	25.0	0.0	99.0	90.0
								408	99.0	99.0	20.0	0.0	99.0	95.0
								Mean =	92.3	99.0	22.5	1.3	99.0	92.5
5	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		105	90.0	99.0	5.0	0.0	95.0	90.0
	AATREX	4 L		48.0 oz/a	POST	B		201	85.0	99.0	10.0	0.0	99.0	95.0
	AGRIDEX			1.0 % v/v	POST	B		308	95.0	99.0	5.0	0.0	90.0	95.0
								405	90.0	99.0	10.0	0.0	95.0	85.0
								Mean =	90.0	99.0	7.5	0.0	94.8	91.3
6	CALLISTO	4 SC		6.0 oz/a	PRE	A		106	80.0	99.0	15.0	0.0	99.0	50.0
	AATREX	4 L		48.0 oz/a	POST	B		203	50.0	99.0	15.0	0.0	99.0	30.0
	AGRIDEX			1.0 % v/v	POST	B		309	90.0	99.0	15.0	0.0	95.0	85.0
								402	90.0	99.0	15.0	0.0	95.0	90.0
								Mean =	77.5	99.0	15.0	0.0	97.0	63.8
7	CALLISTO	4 SC		6.0 oz/a	PRE	A		107	85.0	99.0	10.0	0.0	99.0	50.0
	AATREX	4 L		48.0 oz/a	POST	B		206	85.0	99.0	20.0	0.0	99.0	50.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B		301	85.0	99.0	10.0	0.0	92.0	90.0
								404	95.0	99.0	10.0	0.0	95.0	65.0
								Mean =	87.5	99.0	12.5	0.0	96.3	63.8
8	AATREX	4 L		32.0 oz/a	PRE	A		108	0.0	99.0	10.0	0.0	99.0	20.0
	HUSKIE	2.06 EC		16.0 oz/a	POST	B		207	0.0	99.0	10.0	0.0	99.0	20.0
	AATREX	4 L		32.0 oz/a	POST	B		302	85.0	99.0	10.0	0.0	90.0	60.0
	INDUCE			0.25 % v/v	POST	B		406	85.0	99.0	20.0	5.0	95.0	60.0
								Mean =	42.5	99.0	12.5	1.3	95.8	40.0
9	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		109	95.0	99.0	5.0	0.0	90.0	90.0
	HUSKIE	2.06 EC		16.0 oz/a	POST	B		208	95.0	99.0	5.0	0.0	95.0	95.0
	AATREX	4 L		32.0 oz/a	POST	B		304	95.0	99.0	0.0	0.0	95.0	95.0
	INDUCE			0.25 % v/v	POST	B		403	95.0	99.0	5.0	0.0	95.0	95.0
								Mean =	95.0	99.0	3.8	0.0	93.8	93.8

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WEED CONTROL IN SWEET SORGHUM

Trial ID: SG-01-24 Study Dir.: JACOB WILLIAMS
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Date Rating Data Type Rating Unit							Molve May-21-24 Control %	Sorbi Jun-7-24 Stunt %	Sorbi Jun-7-24 Bleach %	Sorbi Jun-7-24 Leaf red %	Amapa Jun-7-24 Control %	Agrass Jun-7-24 Control %		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	13	14	15	16	17	18
1	NTC						A	101	0.0	0.0	0.0	0.0	0.0	0.0
								202	0.0	0.0	0.0	0.0	0.0	0.0
								303	0.0	0.0	0.0	0.0	0.0	0.0
								407	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
2	CALLISTO	4 SC		6.0 oz/a	PRE	A		102	99.0	0.0	0.0	0.0	65.0	90.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		204	99.0	0.0	0.0	0.0	75.0	65.0
								305	95.0	10.0	0.0	0.0	95.0	40.0
								401	95.0	0.0	0.0	0.0	85.0	80.0
								Mean =	97.0	2.5	0.0	0.0	80.0	68.8
3	CALLISTO	4 SC		6.0 oz/a	PRE	A		103	99.0	0.0	0.0	0.0	65.0	30.0
	AATREX	4 L		32.0 oz/a	PRE	A		205	99.0	5.0	0.0	0.0	65.0	20.0
								307	99.0	5.0	0.0	0.0	95.0	50.0
								409	99.0	5.0	0.0	0.0	65.0	65.0
								Mean =	99.0	3.8	0.0	0.0	72.5	41.3
4	CALLISTO	4 SC		6.0 oz/a	PRE	A		104	99.0	0.0	0.0	0.0	75.0	80.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		209	99.0	10.0	0.0	0.0	85.0	75.0
	AATREX	4 L		32.0 oz/a	PRE	A		306	99.0	15.0	0.0	0.0	70.0	75.0
								408	95.0	0.0	0.0	0.0	90.0	90.0
								Mean =	98.0	6.3	0.0	0.0	80.0	80.0
5	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		105	99.0	0.0	0.0	0.0	95.0	75.0
	AATREX	4 L		48.0 oz/a	POST	B		201	95.0	0.0	0.0	0.0	99.0	90.0
	AGRIDEX			1.0 % v/v	POST	B		308	75.0	0.0	0.0	0.0	99.0	95.0
								405	85.0	5.0	0.0	0.0	99.0	80.0
								Mean =	88.5	1.3	0.0	0.0	98.0	85.0
6	CALLISTO	4 SC		6.0 oz/a	PRE	A		106	99.0	10.0	0.0	0.0	95.0	75.0
	AATREX	4 L		48.0 oz/a	POST	B		203	99.0	0.0	0.0	0.0	99.0	62.0
	AGRIDEX			1.0 % v/v	POST	B		309	95.0	5.0	0.0	0.0	99.0	95.0
								402	95.0	0.0	0.0	5.0	99.0	90.0
								Mean =	97.0	3.8	0.0	1.3	98.0	80.5
7	CALLISTO	4 SC		6.0 oz/a	PRE	A		107	99.0	5.0	0.0	0.0	99.0	85.0
	AATREX	4 L		48.0 oz/a	POST	B		206	99.0	5.0	5.0	0.0	99.0	95.0
	DUAL MAGNUM	7.62 EC		16.0 oz/a	POST	B		301	99.0	0.0	0.0	5.0	99.0	99.0
								404	95.0	0.0	0.0	0.0	99.0	95.0
								Mean =	98.0	2.5	1.3	1.3	99.0	93.5
8	AATREX	4 L		32.0 oz/a	PRE	A		108	99.0	0.0	5.0	10.0	99.0	50.0
	HUSKIE	2.06 EC		16.0 oz/a	POST	B		207	99.0	10.0	5.0	10.0	99.0	60.0
	AATREX	4 L		32.0 oz/a	POST	B		302	99.0	5.0	5.0	10.0	99.0	85.0
	INDUCE			0.25 % v/v	POST	B		406	95.0	10.0	5.0	10.0	99.0	70.0
								Mean =	98.0	6.3	5.0	10.0	99.0	66.3
9	DUAL MAGNUM	7.62 EC		16.0 oz/a	PRE	A		109	99.0	0.0	5.0	10.0	99.0	85.0
	HUSKIE	2.06 EC		16.0 oz/a	POST	B		208	99.0	0.0	5.0	5.0	99.0	95.0
	AATREX	4 L		32.0 oz/a	POST	B		304	65.0	5.0	5.0	10.0	99.0	95.0
	INDUCE			0.25 % v/v	POST	B		403	85.0	5.0	5.0	10.0	99.0	95.0
								Mean =	87.0	2.5	5.0	8.8	99.0	92.5

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WEED CONTROL IN SWEET SORGHUM	
Trial ID: SG-01-24	Study Dir.: JACOB WILLIAMS
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit	
% = PERCENT	