

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 4

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	2	3	4
1	IGROWTH NTC								-	101	207	305	403
2	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE	A	15 GPA	16.41 mL/mx	1483.6 mL	102	206	304	405
3	IGROWTH IMIFLEX	1 AS		9.0 oz/a	PRE	A	15 GPA	7.031 mL/mx	1493.0 mL	103	204	306	407
4	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE	A	15 GPA	16.41 mL/mx	1476.6 mL	104	205	302	401
	IMIFLEX	1 AS		9.0 oz/a	PRE	A	15 GPA	7.031 mL/mx					
5	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE	A	15 GPA	16.41 mL/mx	1483.6 mL	105	203	301	402
	IMIFLEX	1 AS		6.0 oz/a	POST	C	15 GAL/AC	4.687 mL/mx	1480.3 mL				
	AGRIDEX			1.0 % v/v	POST	C	15 GAL/AC	15.0 mL/mx					
6	IGROWTH MOCASSIN II PLUS	8 EC		21.0 oz/a	PRE	A	15 GPA	16.41 mL/mx	1483.6 mL	106	202	307	404
	IMIFLEX	1 AS		6.0 oz/a	POST	C	15 GAL/AC	4.687 mL/mx	1455.3 mL				
	ATRAZINE	4 F		32.0 oz/a	POST	C	15 GAL/AC	25.0 mL/mx					
	AGRIDEX			1.0 % v/v	POST	C	15 GAL/AC	15.0 mL/mx					
7	IGROWTH IMIFLEX	1 AS		6.0 oz/a	EPOST	B	15 GAL/AC	4.687 mL/mx	1480.3 mL	107	201	303	406
	AGRIDEX			1.0 % v/v	EPOST	B	15 GAL/AC	15.0 mL/mx					
8	DOUBLE TEAM NTC								-	108	214	311	413
9	DOUBE TEAM PARALLEL PLUS	5.5 F		72.0 oz/a	PRE	A	15 GPA	56.25 mL/mx	1443.8 mL	109	213	310	411
	FIRSTACT	0.88 EC		10.0 oz/a	POST	C	15 GAL/AC	7.812 mL/mx	1477.2 mL				
	AGRIDEX			1.0 % v/v	POST	C	15 GAL/AC	15.0 mL/mx					
10	DOUBLE TEAM ATRAZINE	4 F		32.0 oz/a	EPOST	B	15 GAL/AC	25.0 mL/mx	1458.4 mL	110	212	309	408
	CLARITY	4 SL		2.0 oz/a	EPOST	B	15 GAL/AC	1.562 mL/mx					
	AGRIDEX			1.0 % v/v	EPOST	B	15 GAL/AC	15.0 mL/mx					
	FIRSTACT	0.88 EC		10.0 oz/a	POST	C	15 GAL/AC	7.812 mL/mx	1477.2 mL				
	AGRIDEX			1.0 % v/v	POST	C	15 GAL/AC	15.0 mL/mx					
11	DOUBLE TEAM PARALLEL	7.8 EC		24.0 oz/a	PRE	A	15 GPA	18.75 mL/mx	1481.3 mL	111	210	308	409
	ATRAZINE	4 F		32.0 oz/a	EPOST	B	15 GAL/AC	25.0 mL/mx	1450.6 mL				
	CLARITY	4 SL		2.0 oz/a	EPOST	B	15 GAL/AC	1.562 mL/mx					
	FIRSTACT	0.88 EC		10.0 oz/a	EPOST	B	15 GAL/AC	7.812 mL/mx					
	AGRIDEX			1.0 % v/v	EPOST	B	15 GAL/AC	15.0 mL/mx					
12	DOUBLE TEAM PARALLEL	7.8 EC		24.0 oz/a	PRE	A	15 GPA	18.75 mL/mx	1481.3 mL	112	211	314	412
	ATRAZINE	4 F		32.0 oz/a	EPOST	B	15 GAL/AC	25.0 mL/mx	1458.4 mL				
	CLARITY	4 SL		2.0 oz/a	EPOST	B	15 GAL/AC	1.562 mL/mx					
	AGRIDEX			1.0 % v/v	EPOST	B	15 GAL/AC	15.0 mL/mx					
	FIRSTACT	0.88 EC		10.0 oz/a	POST	C	15 GAL/AC	7.812 mL/mx	1477.2 mL				
	AGRIDEX			1.0 % v/v	POST	C	15 GAL/AC	15.0 mL/mx					
13	DOUBLE TEAM ATRAZINE	4 F		32.0 oz/a	PRE	A	15 GPA	25.0 mL/mx	1475 mL	113	209	312	410
	FIRSTACT	0.88 EC		10.0 oz/a	EPOST	B	15 GAL/AC	7.812 mL/mx	1477.2 mL				
	AGRIDEX			1.0 % v/v	EPOST	B	15 GAL/AC	15.0 mL/mx					
14	DOUBLE TEAM FIRSTACT	0.88 EC		10.0 oz/a	EPOST	B	15 GAL/AC	7.812 mL/mx	1439.7 mL	114	208	313	414
	ATRAZINE	4 F		48.0 oz/a	EPOST	B	15 GAL/AC	37.5 mL/mx					
	AGRIDEX			1.0 % v/v	EPOST	B	15 GAL/AC	15.0 mL/mx					
15	INZEN NTC								-	115	221	316	418

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16	INZEN CINCH ATZ ZEST AGRIDEX AMS	5.5 F 75 DG		56.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	PRE POST POST POST	A C C C	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC	43.75 mL/mx 0.5018 g/mx 15.0 mL/mx 30.0 mL/mx	- 1456.3 mL 1454.5 mL	116	220	315	417
17	INZEN ATRAZINE CLARITY ZEST AGRIDEX AMS	4 F 4 SL 75 DG		32.0 oz/a 2.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	EPOST EPOST EPOST EPOST EPOST	B B B B B	15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	25.0 mL/mx 1.562 mL/mx 0.5018 g/mx 15.0 mL/mx 30.0 mL/mx	- 1427.9 mL	117	219	318	416
18	INZEN ATRAZINE CLARITY AGRIDEX ZEST AGRIDEX AMS	4 F 4 SL 75 DG		32.0 oz/a 2.0 oz/a 0.67 oz/a 1.0 % v/v 1.0 % v/v 2.0 % v/v	EPOST EPOST EPOST POST POST POST	B B B C C C	15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	25.0 mL/mx 1.562 mL/mx 0.5018 g/mx 15.0 mL/mx 15.0 mL/mx 30.0 mL/mx	- 1458.4 mL 1454.5 mL	118	215	317	415
19	INZEN ZEST ATRAZINE AGRIDEX	75 DG 4 F		0.67 oz/a 48.0 oz/a 1.0 % v/v	EPOST EPOST EPOST	B B B	15 GAL/AC 15 GAL/AC 15 GAL/AC	0.5018 g/mx 37.5 mL/mx 15.0 mL/mx	- 1447.0 mL	119	217	321	420
20	INZEN EVERPREX ZEST ATRAZINE AGRIDEX	7.62 EC 75 DG 4 F		16.0 oz/a 0.67 oz/a 48.0 oz/a 1.0 % v/v	PRE POST POST POST	A C C C	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC	12.5 mL/mx 0.5018 g/mx 37.5 mL/mx 15.0 mL/mx	- 1487.5 mL 1447.0 mL	120	216	319	421
21	INZEN EVERPREX ZEST ATRAZINE AGRIDEX	7.62 EC 75 DG 4 F		16.0 oz/a 0.67 oz/a 48.0 oz/a 1.0 % v/v	EPOST EPOST EPOST EPOST	B B B B	15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	12.5 mL/mx 0.5018 g/mx 37.5 mL/mx 15.0 mL/mx	- 1434.5 mL	121	218	320	419

Sort Order: Treatment

Trial Comments

VARIETIES:

IGROWTH: ADV-G3189IG
 DOUBLETEAM: SP45A45DT
 INZEN: Z3PLA1307

PLANTING RATES:

IG/DT = 87,120
 INZEN = 107,225 (SEED HAD LOWER GERMINATION RATE)

ATRAZINE = AATREX 4L

CINCH ATZ = S-METOLACHLOR (2.4 LBS AI/GAL) + ATRAZINE (3.1 LBS AI/GAL) + BENOXACOR
 PARALLEL PLUS = S-METOLACHLOR (2.7 LBS AI/GAL) + ATRAZINE (2.8 LBS AI/GAL)

SORGHUM HEIGHTS ON 05/24/22

IG = 10" - V7
 DT = 10" - V7
 IZ = 8" - V6

I-GROWTH SUMMARY:

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- 1) SORGHUM INJURY WAS MINOR.
- 2) IMIFLEX ALONE DID NOT CONTROL ALS-RESISTANT PALMER AMARANTH IN THIS TEST.
- 3) IMIFLEX PROVIDED EXCELLENT RESIDUAL CONTROL OF ANNUAL GRASSES.
- 4) BEST TREATMENTS INCLUDED PRE + POST COMBINATIONS [MOCASSIN (PRE) FB IMIFLEX OR IMIFLEX + ATRAZINE (POST)].

DOUBLE TEAM SUMMARY:

- 1) POST APPLICATIONS OF FIRSTACT CAUSED SORGHUM STUNTING AND LEAF NECROSIS (SEED PURITY ISSUES?).
- 2) FIRSTACT PROVIDED EXCELLENT POST CONTROL OF ANNUAL GRASSES BUT POOR CONTROL OF PALMER AMARANTH.
- 3) ATRAZINE TANK-MIXED WITH FIRSTACT REDUCED ANNUAL GRASS CONTROL.
- 4) BEST OVERALL TREATMENTS INCLUDE PRE + POST COMBINATIONS.

INZEN SUMMARY

- 1) INZEN CAUSED TEMPORARY SORGHUM INJURY IN THE FORM OF STUNTING, NECROSIS, AND CHLOROSIS.
- 2) ALL INZEN TREATMENTS PROVIDED > 92% CONTROL OF PALMER AMARANTH.
- 3) THE FOLLOWING TETAMENTS PROVIDED POOR CONTROL OF ANNUAL GRASSES:
 - A) ATRAZINE + CLARITY + ZEST + AGRIDEX + AMS (EPOST) = 50% CONTROL
 - B) ATRAZINE + CLARITY+ AMS (EPOST) FB ZEST + AGRIDEX + AMS (POST) = 45% CONTROL
 - C) ZEST + ATRAZINE + AGRIDEX (EPOST) = 58% CONTROL
 - C) EVERPREX + ZEST + ATRAZINE + AGRIDEX (EPOST) = 53% CONTROL
- 4) ANNUAL GRASS CONTROL EXCEEDED 94% WITH THE FOLLOWING TREATMENTS:
 - A) CINCH ATZ (PRE) FB ZEST + AGRIDEX + AMS (EPOST) = 95% CONTROL
 - B) EVERPREX (PRE) FB ZEST + ATRAZINE + AGRIDEX (EPOST) = 96% CONTROL

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Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: B.BEAN/UNITED SORGHUM GROWERS

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	AN	NUAL GRASSES
3.	RAPRA	WI	LD RADISH

Crop 1: SORBI GRAIN SORGHUM

Variety: _____

Planting Date: May-2-22

Planting Method: MONOSEM AIR PLANTER

Rate: 87120 SEED/A

Depth: 1.25 IN

Perennial Age: _____

Row Spacing: 36 IN

Spacing Within Row: _____

Seed Bed: _____

Soil Temperature: _____

Soil Moisture: DRY

Emergence Date: _____

SITE AND DESIGN

Plot Width, Unit: 6 FT

Plot Length, Unit: 25 FT Reps: 4

Site Type: _____

Tillage Type: CONVENTIONAL

Study Design: RACOB

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	SOYBEAN		2021

MAINTENANCE

Field Prep./Maintenance: 1.5 TONS/A LIME PREPLANT

300 LBS/A 5-15-30 PREPLANT

131-0-0-16 SIDEDRESS - 06/02/22

HEADLINE @ 9 OZ/A - 06/10/22

PRIAXOR @ 8 OZ/A + SIVANTO @ 10 OZ/A - 06/29/22

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

SOIL DESCRIPTION

% Sand: 94 % OM: 0.78 Texture: SAND
 % Silt: 4 pH: 6.0 Soil Name: TIFTON
 % Clay: 2 CEC: 3.3 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	May-3-22		0.65	IN	SPRINKLER - LATERAL MOVE		
2.	May-5-22		0.5	IN	SPRINKLER - LATERAL MOVE		
3.	May-6-22		0.45	IN	RAINFALL		
4.	May-12-22		0.4	IN	SPRINKLER - LATERAL MOVE		
5.	May-12-22		0.04	IN	RAINFALL		
6.	May-23-22		0.5	IN	SPRINKLER - LATERAL MOVE		
7.	May-24-22	4 PM	1.8	IN	RAINFALL		
8.							
9.							
10.							
11.							

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A	B	C
Application Date:	May-3-22	May-16-22	May-24-22
Time of Day:	6:48 AM	6:45 AM	8:00 AM
Application Method:	BROADCAST	BROADCAST	BROADCAST
Application Timing:	PRE	EPOST	POST
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE
Air Temp., Unit:	68 F	67 F	71 F
% Relative Humidity:	90	90	94
Wind Velocity, Unit:	1 MPH	1 MPH	1 MPH
Dew Presence (Y/N):	N	Y	Y
Water Hardness:	--	--	--
Soil Temp., Unit:	70 F	72 F	70 F
Soil Moisture:	DRY	DRY	OPTIMUM
% Cloud Cover:	50	5	75

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	SORBI,	SORBI,	SORBI,
Stage Scale:		V3	COMMENTS
Height, Unit:		4, IN	

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WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	AMAPA,	AMAPA,	AMAPA,
Stage Scale:		1-2"	1-4"
Density, Unit:			
Weed 2 Code, Stage:	AGRAS,	AGRAS,	AGRAS,
Stage Scale:		0.5-1.5"	1-4"
Density, Unit:			
Weed 3 Code, Stage:	RAPRA,	RAPRA,	RAPRA,
Stage Scale:		0.5-1"	1-3"
Density, Unit:			

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	BACKPACK	SAME	SAME
Operating Pressure:	35		
Nozzle Type:	AIXR		
Nozzle Size:	11002		
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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Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- Sorbi Plant, - Stunting % May-13-22	Amapa ----- Control % May-13-22	Agrass ----- Control % May-13-22	----- Sorbi Plant, - Stunting % May-23-22	Amapa ----- Control % May-23-22	Agrass ----- Control % May-23-22	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	1	2	3	4	5	6
1	IGROWTH NTC							0.0 a	0.0 c	0.0 f	0.0 g	0.0 e	0.0 g
2	IGROWTH MOCASSIN II PLUS	7.64	EC	21.0	oz/a	PRE	A	0.0 a	99.0 a	93.8 a	0.0 g	97.5 ab	83.8 bcd
3	IGROWTH IMIFLEX		1 AS	9.0	oz/a	PRE	A	0.0 a	50.0 b	67.5 d	0.0 g	22.5 d	95.0 abc
4	IGROWTH MOCASSIN II PLUS IMIFLEX	7.64 1 AS	EC AS	21.0 9.0	oz/a oz/a	PRE PRE	A A	0.0 a	99.0 a	98.0 a	5.0 ef	100.0 a	100.0 a
5	IGROWTH MOCASSIN II PLUS IMIFLEX AGRINDEX	7.64 1 AS	EC AS	21.0 6.0 1.0	oz/a oz/a % v/v	PRE POST POST	A C C	0.0 a	99.0 a	92.0 ab	2.5 fg	95.0 b	87.5 a-d
6	IGROWTH MOCASSIN II PLUS IMIFLEX ATRAZINE AGRINDEX	8 1 AS 4 F	EC AS F	21.0 6.0 32.0 1.0	oz/a oz/a oz/a % v/v	PRE POST POST POST	A C C C	0.0 a	99.0 a	97.0 a	2.5 fg	97.3 ab	96.3 abc
7	IGROWTH IMIFLEX AGRINDEX		1 AS	6.0 1.0	oz/a % v/v	EPOST EPOST	B B	0.0 a	0.0 c	0.0 f	2.5 fg	22.5 d	66.3 e
8	DOUBLE TEAM NTC							0.0 a	0.0 c	0.0 f	0.0 g	0.0 e	0.0 g
9	DOUBE TEAM PARALLEL PLUS FIRSTACT AGRINDEX	5.5 0.88	F EC	72.0 10.0 1.0	oz/a oz/a % v/v	PRE POST POST	A C C	0.0 a	99.0 a	81.0 c	2.5 fg	99.8 a	78.8 de
10	DOUBLE TEAM ATRAZINE CLARITY AGRINDEX FIRSTACT AGRINDEX	4 4	F SL	32.0 2.0 1.0 10.0 1.0	oz/a oz/a % v/v oz/a % v/v	EPOST EPOST EPOST POST POST	B B B C C	0.0 a	0.0 c	0.0 f	2.5 fg	100.0 a	12.5 g
11	DOUBLE TEAM PARALLEL ATRAZINE CLARITY FIRSTACT AGRINDEX	7.8 4 4 0.88	EC F SL EC	24.0 32.0 2.0 10.0 1.0	oz/a oz/a oz/a oz/a % v/v	PRE EPOST EPOST EPOST EPOST	A B B B B	0.0 a	99.0 a	94.8 a	18.8 a	100.0 a	99.8 a
12	DOUBLE TEAM PARALLEL ATRAZINE CLARITY AGRINDEX FIRSTACT AGRINDEX	7.8 4 4	EC F SL	24.0 32.0 2.0 1.0 10.0 1.0	oz/a oz/a oz/a % v/v oz/a % v/v	PRE EPOST EPOST EPOST POST POST	A B B B C C	0.0 a	99.0 a	84.8 bc	11.3 cd	100.0 a	82.5 cd
13	DOUBLE TEAM ATRAZINE FIRSTACT AGRINDEX	4 0.88	F EC	32.0 10.0 1.0	oz/a oz/a % v/v	PRE EPOST EPOST	A B B	0.0 a	99.0 a	53.8 e	13.8 bc	68.8 c	97.5 ab

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 1,2 because error mean square = 0.

^Calculated from residual.

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Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
14	DOUBLE TEAM FIRSTACT ATRAZINE AGRINDEX	0.88 EC 4 F		10.0 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B		0.0 a	0.0 c	0.0 f	20.0 a	99.8 a	87.5 a-d
15	INZEN NTC						0.0 a	0.0 c	0.0 f	0.0 g	0.0 e	0.0 g
16	INZEN CINCH ATZ ZEST AGRINDEX AMS	5.5 F 75 DG		56.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	PRE POST POST POST	A C C C	0.0 a	99.0 a	94.8 a	7.5 de	100.0 a	90.0 a-d
17	INZEN ATRAZINE CLARITY ZEST AGRINDEX AMS	4 F 4 SL 75 DG		32.0 oz/a 2.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B		0.0 a	0.0 c	0.0 f	13.8 bc	100.0 a	50.0 f
18	INZEN ATRAZINE CLARITY AGRINDEX ZEST AGRINDEX AMS	4 F 4 SL 75 DG		32.0 oz/a 2.0 oz/a 1.0 % v/v 0.67 oz/a 1.0 % v/v 2.0 % v/v	EPOST B EPOST B EPOST B POST POST POST	B B B C C C	0.0 a	0.0 c	0.0 f	6.3 ef	100.0 a	7.5 g
19	INZEN ZEST ATRAZINE AGRINDEX	75 DG 4 F		0.67 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B		0.0 a	0.0 c	0.0 f	17.5 ab	100.0 a	50.0 f
20	INZEN EVERPREX ZEST ATRAZINE AGRINDEX	7.62 EC 75 DG 4 F		16.0 oz/a 0.67 oz/a 48.0 oz/a 1.0 % v/v	PRE POST POST POST	A C C C	0.0 a	99.0 a	94.5 a	12.5 c	96.3 ab	82.5 cd
21	INZEN EVERPREX ZEST ATRAZINE AGRINDEX	7.62 EC 75 DG 4 F		16.0 oz/a 0.67 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B EPOST B		0.0 a	0.0 c	0.0 f	17.5 ab	100.0 a	50.0 f
LSD P=.10							.	.	8.37	4.54	3.87	14.51
Standard Deviation							0.00	0.00	7.09	3.84	3.28	12.28
CV							0.0	0.0	15.64	51.67	4.31	19.58
Grand Mean							0.00	49.52	45.32	7.44	76.15	62.73
Bartlett's X2^							.	.	128.846	25.812	90.934	52.645
P(Bartlett's X2)							.	.	0.00*	0.172	0.00*	0.00*

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.

Could not calculate LSD (% mean diff) for columns 1,2 because error mean square = 0.

^Calculated from residual.

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						----- Sorbi Leaf, - Chlorosis % May-23-22	----- Sorbi Stunting % Jun-1-22	----- Sorbi Chlorosis % Jun-1-22	----- Sorbi Leaf, - Necrosis % Jun-1-22	Amapa ----- Control % Jun-1-22	Agrass ----- Control % Jun-1-22	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit Stg	Appl Code	7	8	9	10	11	12
1	IGROWTH NTC						0.0 f	0.0 e	0.0 c	0.0 e	0.0 e	0.0 h
2	IGROWTH MOCASSIN II PLUS	7.64	EC	21.0 oz/a	PRE	A	0.0 f	0.0 e	2.5 c	0.0 e	100.0 a	80.0 de
3	IGROWTH IMIFLEX		1 AS	9.0 oz/a	PRE	A	1.3 ef	0.0 e	0.0 c	0.0 e	10.0 d	95.0 abc
4	IGROWTH MOCASSIN II PLUS IMIFLEX	7.64	EC 1 AS	21.0 oz/a 9.0 oz/a	PRE PRE	A A	5.0 d	2.5 e	2.5 c	0.0 e	97.5 ab	100.0 a
5	IGROWTH MOCASSIN II PLUS IMIFLEX AGRINDEX	7.64	EC 1 AS	21.0 oz/a 6.0 oz/a 1.0 % v/v	PRE POST POST	A C C	1.3 ef	0.0 e	1.3 c	0.0 e	97.5 ab	95.0 abc
6	IGROWTH MOCASSIN II PLUS IMIFLEX ATRAZINE AGRINDEX		8 EC 1 AS 4 F	21.0 oz/a 6.0 oz/a 32.0 oz/a 1.0 % v/v	PRE POST POST POST	A C C C	1.3 ef	0.0 e	0.0 c	0.0 e	100.0 a	95.0 abc
7	IGROWTH IMIFLEX AGRINDEX		1 AS	6.0 oz/a 1.0 % v/v	EPOST EPOST	B B	3.8 de	0.0 e	0.0 c	0.0 e	12.5 d	87.5 cd
8	DOUBLE TEAM NTC						0.0 f	0.0 e	0.0 c	0.0 e	0.0 e	0.0 h
9	DOUBE TEAM PARALLEL PLUS FIRSTACT AGRINDEX	5.5	F 0.88 EC	72.0 oz/a 10.0 oz/a 1.0 % v/v	PRE POST POST	A C C	0.0 f	27.5 b	13.8 b	10.0 ab	95.0 b	96.3 ab
10	DOUBLE TEAM ATRAZINE CLARITY AGRINDEX FIRSTACT AGRINDEX		4 F 4 SL 0.88 EC	32.0 oz/a 2.0 oz/a 1.0 % v/v 10.0 oz/a 1.0 % v/v	EPOST EPOST EPOST POST POST	B B B C C	0.0 f	30.0 ab	13.8 b	10.0 ab	98.8 a	96.3 ab
11	DOUBLE TEAM PARALLEL ATRAZINE CLARITY FIRSTACT AGRINDEX	7.8	EC 4 F 4 SL 0.88 EC	24.0 oz/a 32.0 oz/a 2.0 oz/a 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST EPOST EPOST	A B B B B	13.8 c	0.0 e	0.0 c	0.0 e	100.0 a	96.3 ab
12	DOUBLE TEAM PARALLEL ATRAZINE CLARITY AGRINDEX FIRSTACT AGRINDEX	7.8	EC 4 F 4 SL 0.88 EC	24.0 oz/a 32.0 oz/a 2.0 oz/a 1.0 % v/v 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST EPOST POST POST	A B B B C C	5.0 d	32.5 a	13.8 b	11.3 a	100.0 a	98.8 a
13	DOUBLE TEAM ATRAZINE FIRSTACT AGRINDEX		4 F 0.88 EC	32.0 oz/a 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST	A B B	1.3 ef	0.0 e	0.0 c	0.0 e	53.8 c	93.8 abc

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 1,2 because error mean square = 0.

^Calculated from residual.

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						----- Sorbi Leaf, - Chlorosis % May-23-22	----- Sorbi Stunting % Jun-1-22	----- Sorbi Chlorosis % Jun-1-22	----- Sorbi Leaf, - Necrosis % Jun-1-22	Amapa ----- Control % Jun-1-22	Agrass ----- Control % Jun-1-22	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
14	DOUBLE TEAM FIRSTACT ATRAZINE AGRIDEX	0.88 EC 4 F		10.0 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B		13.8 c	1.3 e	0.0 c	0.0 e	100.0 a	73.8 ef
15	INZEN NTC						0.0 f	0.0 e	0.0 c	0.0 e	0.0 e	0.0 h
16	INZEN CINCH ATZ ZEST AGRIDEX AMS	5.5 F 75 DG		56.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	PRE A POST C POST C POST C		21.3 b	7.5 d	16.3 ab	8.8 bc	100.0 a	97.5 a
17	INZEN ATRAZINE CLARITY ZEST AGRIDEX AMS	4 F 4 SL 75 DG		32.0 oz/a 2.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B		30.0 a	10.0 cd	17.5 a	10.0 ab	100.0 a	62.5 g
18	INZEN ATRAZINE CLARITY AGRIDEX ZEST AGRIDEX AMS	4 F 4 SL 75 DG		32.0 oz/a 2.0 oz/a 1.0 % v/v 0.67 oz/a 1.0 % v/v 2.0 % v/v	EPOST B EPOST B EPOST B POST C POST C POST C		12.5 c	8.8 cd	18.8 a	8.8 bc	100.0 a	58.8 g
19	INZEN ZEST ATRAZINE AGRIDEX	75 DG 4 F		0.67 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B		30.0 a	8.8 cd	16.3 ab	7.5 cd	100.0 a	76.3 ef
20	INZEN EVERPREX ZEST ATRAZINE AGRIDEX	7.62 EC 75 DG 4 F		16.0 oz/a 0.67 oz/a 48.0 oz/a 1.0 % v/v	PRE A POST C POST C POST C		20.0 b	7.5 d	16.3 ab	6.3 d	100.0 a	88.8 bc
21	INZEN EVERPREX ZEST ATRAZINE AGRIDEX	7.62 EC 75 DG 4 F		16.0 oz/a 0.67 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B EPOST B		30.0 a	12.5 c	17.5 a	10.0 ab	100.0 a	71.3 f
LSD P=.10							3.01	3.76	3.53	1.48	3.05	8.32
Standard Deviation							2.55	3.18	2.99	1.25	2.58	7.04
CV							28.15	44.93	41.83	31.87	3.47	9.46
Grand Mean							9.05	7.08	7.14	3.93	74.52	74.40
Bartlett's X2^							61.061	24.488	48.577	100.152	127.212	38.994
P(Bartlett's X2)							0.00*	0.222	0.00*	0.00*	0.00*	0.007*

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 1,2 because error mean square = 0.

^Calculated from residual.

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- Sorbi Plant, - Stunting % Jun-13-22	Amapa ----- Control % Jun-13-22	Agrass ----- Control % Jun-13-22	Amapa ----- Control % Jun-28-22	Agrass ----- Control % Jun-28-22	----- Sorbi Plant, - Ht1 In Jun-28-22
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	13	14	15	16	17	18
1	IGROWTH NTC						0.0 c	0.0 d	0.0 d	0.0 e	0.0 d	28.25 i
2	IGROWTH MOCASSIN II PLUS	7.64	EC	21.0 oz/a	PRE	A	2.5 bc	98.8 a	80.0 b	96.0 ab	68.8 b	44.25 abc
3	IGROWTH IMIFLEX		1 AS	9.0 oz/a	PRE	A	0.0 c	0.0 d	95.0 a	0.0 e	99.0 a	35.00 gh
4	IGROWTH MOCASSIN II PLUS IMIFLEX	7.64	EC 1 AS	21.0 oz/a 9.0 oz/a	PRE PRE	A A	6.3 ab	97.5 a	100.0 a	97.3 ab	95.5 a	44.75 ab
5	IGROWTH MOCASSIN II PLUS IMIFLEX AGRIDEX	7.64	EC 1 AS	21.0 oz/a 6.0 oz/a 1.0 % v/v	PRE POST POST	A C C	1.3 c	96.3 a	93.8 a	92.5 ab	91.0 a	44.25 abc
6	IGROWTH MOCASSIN II PLUS IMIFLEX ATRAZINE AGRIDEX	8	EC 1 AS 4 F	21.0 oz/a 6.0 oz/a 32.0 oz/a 1.0 % v/v	PRE POST POST POST	A C C C	0.0 c	100.0 a	98.8 a	98.3 ab	93.5 a	47.38 a
7	IGROWTH IMIFLEX AGRIDEX		1 AS	6.0 oz/a 1.0 % v/v	EPOST EPOST	B B	0.0 c	0.0 d	93.8 a	0.0 e	96.8 a	38.75 d-g
8	DOUBLE TEAM NTC						0.0 c	0.0 d	0.0 d	0.0 e	0.0 d	30.00 i
9	DOUBE TEAM PARALLEL PLUS FIRSTACT AGRIDEX	5.5	F 0.88 EC	72.0 oz/a 10.0 oz/a 1.0 % v/v	PRE POST POST	A C C	3.8 bc	87.5 b	95.0 a	83.8 b	91.0 a	40.00 c-f
10	DOUBLE TEAM ATRAZINE CLARITY AGRIDEX FIRSTACT AGRIDEX	4	F SL	32.0 oz/a 2.0 oz/a 1.0 % v/v	EPOST EPOST EPOST	B B B	8.8 a	97.5 a	95.0 a	90.0 ab	92.3 a	41.88 bcd
11	DOUBLE TEAM PARALLEL ATRAZINE CLARITY FIRSTACT AGRIDEX	7.8	EC 4 F 4 SL	24.0 oz/a 32.0 oz/a 2.0 oz/a 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST EPOST EPOST	A B B B B	2.5 bc	98.8 a	95.0 a	98.0 ab	88.3 a	43.88 abc
12	DOUBLE TEAM PARALLEL ATRAZINE CLARITY AGRIDEX FIRSTACT AGRIDEX	7.8	EC 4 F 4 SL	24.0 oz/a 32.0 oz/a 2.0 oz/a 1.0 % v/v	PRE EPOST EPOST EPOST	A B B B	6.3 ab	100.0 a	98.8 a	54.0 c	96.8 a	41.00 b-e
13	DOUBLE TEAM ATRAZINE FIRSTACT AGRIDEX	4	F 0.88 EC	32.0 oz/a 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST	A B B	0.0 c	37.5 c	95.0 a	25.0 d	92.5 a	45.13 ab

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 1,2 because error mean square = 0.

^Calculated from residual.

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						----- Sorbi Plant, - Stunting % Jun-13-22	Amapa ----- Control % Jun-13-22	Agrass ----- Control % Jun-13-22	Amapa ----- Control % Jun-28-22	Agrass ----- Control % Jun-28-22	----- Sorbi Plant, - Ht1 In Jun-28-22
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code		13	14	15	16	17	18
14 DOUBLE TEAM FIRSTACT ATRAZINE AGRINDEX	0.88 EC 4 F	10.0 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B			3.8 bc	100.0 a	81.3 b	98.0 ab	71.3 b	44.50 abc
15 INZEN NTC						0.0 c	0.0 d	0.0 d	0.0 e	0.0 d	29.25 i
16 INZEN CINCH ATZ ZEST AGRINDEX AMS	5.5 F 75 DG	56.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	PRE A POST C POST C POST C			2.5 bc	100.0 a	98.8 a	97.0 ab	89.3 a	40.00 c-f
17 INZEN ATRAZINE CLARITY ZEST AGRINDEX AMS	4 F 4 SL 75 DG	32.0 oz/a 2.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B			3.8 bc	100.0 a	61.3 c	99.0 a	47.5 c	31.25 hi
18 INZEN ATRAZINE CLARITY AGRINDEX ZEST AGRINDEX AMS	4 F 4 SL 75 DG	32.0 oz/a 2.0 oz/a 1.0 % v/v 0.67 oz/a 1.0 % v/v 2.0 % v/v	EPOST B EPOST B EPOST B POST C POST C POST C			2.5 bc	100.0 a	62.5 c	98.0 ab	60.0 bc	37.88 d-g
19 INZEN ZEST ATRAZINE AGRINDEX	75 DG 4 F	0.67 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B			0.0 c	100.0 a	62.5 c	99.0 a	60.0 bc	36.25 fg
20 INZEN EVERPREX ZEST ATRAZINE AGRINDEX	7.62 EC 75 DG 4 F	16.0 oz/a 0.67 oz/a 48.0 oz/a 1.0 % v/v	PRE A POST C POST C POST C			0.0 c	100.0 a	97.5 a	99.0 a	97.0 a	37.13 efg
21 INZEN EVERPREX ZEST ATRAZINE AGRINDEX	7.62 EC 75 DG 4 F	16.0 oz/a 0.67 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B EPOST B			3.8 bc	100.0 a	63.8 c	99.0 a	61.3 b	36.75 efg
LSD P=.10						3.86	5.03	9.29	14.96	12.84	4.588
Standard Deviation						3.27	4.26	7.87	12.66	10.87	3.884
CV						144.58	5.9	10.54	18.68	15.3	9.98
Grand Mean						2.26	72.08	74.64	67.80	71.02	38.929
Bartlett's X2^						50.89	151.568	109.192	103.761	44.053	24.439
P(Bartlett's X2)						0.00*	0.00*	0.00*	0.00*	0.001*	0.224

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 1,2 because error mean square = 0.

^Calculated from residual.

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- Sorbi Plant, - Ht2 In Jun-28-22	----- Sorbi Plant, - Ht3 In Jun-28-22	----- Sorbi Plant, - Ht4 In Jun-28-22	----- Sorbi Plant, - Ht5 In Jun-28-22	----- Sorbi Plant, - AVG-HGT In Jun-28-22	----- Amapa ----- Control % Aug-1-22
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	19	20	21	22	23	24
1	IGROWTH NTC						26.13 h	26.38 j	27.13 h	26.88 i	27.0 k	0.0 d
2	IGROWTH MOCASSIN II PLUS	7.64	EC	21.0 oz/a	PRE	A	45.63 ab	44.63 ab	45.75 ab	46.13 a	45.3 ab	95.0 ab
3	IGROWTH IMIFLEX		1 AS	9.0 oz/a	PRE	A	32.50 fg	32.00 fgh	30.00 fgh	32.00 gh	32.3 hi	0.0 d
4	IGROWTH MOCASSIN II PLUS IMIFLEX	7.64	EC 1 AS	21.0 oz/a 9.0 oz/a	PRE PRE	A A	43.00 bc	45.38 ab	45.25 ab	45.00 ab	44.7 abc	89.8 ab
5	IGROWTH MOCASSIN II PLUS IMIFLEX AGRINDEX	7.64	EC 1 AS	21.0 oz/a 6.0 oz/a 1.0 % v/v	PRE POST POST	A C C	44.25 ab	45.75 ab	45.00 ab	45.75 a	45.0 abc	90.0 ab
6	IGROWTH MOCASSIN II PLUS IMIFLEX ATRAZINE AGRINDEX		8 EC 1 AS 4 F	21.0 oz/a 6.0 oz/a 32.0 oz/a 1.0 % v/v	PRE POST POST POST	A C C C	47.75 a	46.25 a	46.50 a	45.63 ab	46.7 a	90.0 ab
7	IGROWTH IMIFLEX AGRINDEX		1 AS	6.0 oz/a 1.0 % v/v	EPOST EPOST	B B	32.88 fg	33.88 efg	30.13 fgh	31.75 gh	33.5 ghi	0.0 d
8	DOUBLE TEAM NTC						27.00 h	27.63 ij	29.38 gh	30.00 hi	28.8 jk	0.0 d
9	DOUBE TEAM PARALLEL PLUS FIRSTACT AGRINDEX	5.5	F EC	72.0 oz/a 10.0 oz/a 1.0 % v/v	PRE POST POST	A C C	41.50 bcd	42.13 bc	42.50 abc	43.13 a-d	41.9 cd	75.0 c
10	DOUBLE TEAM ATRAZINE CLARITY AGRINDEX FIRSTACT AGRINDEX		4 F 4 SL 0.88 EC	32.0 oz/a 2.0 oz/a 1.0 % v/v 10.0 oz/a 1.0 % v/v	EPOST EPOST EPOST POST POST	B B B C C	42.13 bc	42.75 abc	43.00 abc	43.75 abc	42.7 bcd	73.8 c
11	DOUBLE TEAM PARALLEL ATRAZINE CLARITY FIRSTACT AGRINDEX	7.8	EC F SL EC	24.0 oz/a 32.0 oz/a 2.0 oz/a 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST EPOST EPOST	A B B B B	41.88 bc	42.75 abc	41.88 bc	42.38 a-d	42.6 bcd	91.3 ab
12	DOUBLE TEAM PARALLEL ATRAZINE CLARITY AGRINDEX FIRSTACT AGRINDEX	7.8	EC F SL 0.88 EC	24.0 oz/a 32.0 oz/a 2.0 oz/a 1.0 % v/v 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST EPOST POST POST	A B B B C C	42.13 bc	42.75 abc	42.63 abc	41.25 bcd	42.0 cd	90.0 ab
13	DOUBLE TEAM ATRAZINE FIRSTACT AGRINDEX		4 F 0.88 EC	32.0 oz/a 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST	A B B	44.00 abc	43.75 abc	42.25 bc	42.63 a-d	43.6 abc	0.0 d

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 1,2 because error mean square = 0.

^Calculated from residual.

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							----- Sorbi Plant, - Ht2 In Jun-28-22	----- Sorbi Plant, - Ht3 In Jun-28-22	----- Sorbi Plant, - Ht4 In Jun-28-22	----- Sorbi Plant, - Ht5 In Jun-28-22	----- Sorbi Plant, - AVG-HGT In Jun-28-22	Amapa ----- Control % Aug-1-22
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	19	20	21	22	23	24
14	DOUBLE TEAM FIRSTACT ATRAZINE AGRIDEX	0.88 EC 4 F		10.0 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B		43.63 abc	42.75 abc	43.38 abc	43.63 abc	43.6 abc	88.8 b
15	INZEN NTC						32.00 fg	29.13 hij	29.75 fgh	32.63 gh	30.6 ij	0.0 d
16	INZEN CINCH ATZ ZEST AGRIDEX AMS	5.5 F 75 DG		56.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	PRE POST POST POST	A C C C	40.00 cd	40.00 cd	40.13 cd	39.63 cde	40.0 de	92.3 ab
17	INZEN ATRAZINE CLARITY ZEST AGRIDEX AMS	4 F 4 SL 75 DG		32.0 oz/a 2.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B		29.38 gh	31.38 ghi	30.25 fgh	33.75 gh	31.2 ij	96.0 ab
18	INZEN ATRAZINE CLARITY AGRIDEX ZEST AGRIDEX AMS	4 F 4 SL 75 DG		32.0 oz/a 2.0 oz/a 1.0 % v/v 0.67 oz/a 1.0 % v/v 2.0 % v/v	EPOST B EPOST B EPOST B POST C POST C POST C		34.13 ef	36.38 de	33.75 ef	34.75 fg	35.4 fgh	97.5 a
19	INZEN ZEST ATRAZINE AGRIDEX	75 DG 4 F		0.67 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B		35.38 ef	36.00 e	37.13 de	35.50 efg	36.1 fg	95.0 ab
20	INZEN EVERPREX ZEST ATRAZINE AGRIDEX	7.62 EC 75 DG 4 F		16.0 oz/a 0.67 oz/a 48.0 oz/a 1.0 % v/v	PRE POST POST POST	A C C C	37.63 de	37.25 de	37.13 de	39.13 def	37.7 ef	94.8 ab
21	INZEN EVERPREX ZEST ATRAZINE AGRIDEX	7.62 EC 75 DG 4 F		16.0 oz/a 0.67 oz/a 48.0 oz/a 1.0 % v/v	EPOST B EPOST B EPOST B EPOST B		34.75 ef	35.88 ef	32.50 fg	35.25 efg	35.0 fgh	93.8 ab
LSD P=.10							4.170	3.889	4.141	4.408	3.32	7.76
Standard Deviation							3.530	3.292	3.505	3.731	2.81	6.57
CV							9.29	8.59	9.25	9.67	7.32	10.2
Grand Mean							37.982	38.321	37.875	38.595	38.34	64.42
Bartlett's X2^							11.026	16.283	29.247	22.632	22.55	78.123
P(Bartlett's X2)							0.946	0.699	0.083	0.307	0.311	0.00*

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.

Could not calculate LSD (% mean diff) for columns 1,2 because error mean square = 0.

^Calculated from residual.

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	Agrass				
Crop Code	-----				
Part Rated					
Rating Data Type	Control				
Rating Unit	%				
Rating Date	Aug-1-22				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg
1	IGROWTH NTC				25
2	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE A
3	IGROWTH IMIFLEX	1 AS		9.0 oz/a	PRE A
4	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE A
	IMIFLEX	1 AS		9.0 oz/a	PRE A
5	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE A
	IMIFLEX	1 AS		6.0 oz/a	POST C
	AGRINDEX			1.0 % v/v	POST C
6	IGROWTH MOCASSIN II PLUS	8 EC		21.0 oz/a	PRE A
	IMIFLEX	1 AS		6.0 oz/a	POST C
	ATRAZINE	4 F		32.0 oz/a	POST C
	AGRINDEX			1.0 % v/v	POST C
7	IGROWTH IMIFLEX	1 AS		6.0 oz/a	EPOST B
	AGRINDEX			1.0 % v/v	EPOST B
8	DOUBLE TEAM NTC				0.0 i
9	DOUBE TEAM PARALLEL PLUS	5.5 F		72.0 oz/a	PRE A
	FIRSTACT	0.88 EC		10.0 oz/a	POST C
	AGRINDEX			1.0 % v/v	POST C
10	DOUBLE TEAM ATRAZINE	4 F		32.0 oz/a	EPOST B
	CLARITY	4 SL		2.0 oz/a	EPOST B
	AGRINDEX			1.0 % v/v	EPOST B
	FIRSTACT	0.88 EC		10.0 oz/a	POST C
	AGRINDEX			1.0 % v/v	POST C
11	DOUBLE TEAM PARALLEL	7.8 EC		24.0 oz/a	PRE A
	ATRAZINE	4 F		32.0 oz/a	EPOST B
	CLARITY	4 SL		2.0 oz/a	EPOST B
	FIRSTACT	0.88 EC		10.0 oz/a	EPOST B
	AGRINDEX			1.0 % v/v	EPOST B
12	DOUBLE TEAM PARALLEL	7.8 EC		24.0 oz/a	PRE A
	ATRAZINE	4 F		32.0 oz/a	EPOST B
	CLARITY	4 SL		2.0 oz/a	EPOST B
	AGRINDEX			1.0 % v/v	EPOST B
	FIRSTACT	0.88 EC		10.0 oz/a	POST C
	AGRINDEX			1.0 % v/v	POST C
13	DOUBLE TEAM ATRAZINE	4 F		32.0 oz/a	PRE A
	FIRSTACT	0.88 EC		10.0 oz/a	EPOST B
	AGRINDEX			1.0 % v/v	EPOST 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.

Could not calculate LSD (% mean diff) for columns 1,2 because error mean square = 0.

^Calculated from residual.

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code	Agrass				
Crop Code	-----				
Part Rated					
Rating Data Type	Control				
Rating Unit	%				
Rating Date	Aug-1-22				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg Appl Code
25					
14	DOUBLE TEAM				71.3 de
	FIRSTACT	0.88 EC		10.0 oz/a	EPOST B
	ATRAZINE	4 F		48.0 oz/a	EPOST B
	AGRIDEX			1.0 % v/v	EPOST B
15	INZEN NTC				0.0 i
16	INZEN				94.8 ab
	CINCH ATZ	5.5 F		56.0 oz/a	PRE A
	ZEST	75 DG		0.67 oz/a	POST C
	AGRIDEX			1.0 % v/v	POST C
	AMS			2.0 % v/v	POST C
17	INZEN				50.0 gh
	ATRAZINE	4 F		32.0 oz/a	EPOST B
	CLARITY	4 SL		2.0 oz/a	EPOST B
	ZEST	75 DG		0.67 oz/a	EPOST B
	AGRIDEX			1.0 % v/v	EPOST B
	AMS			2.0 % v/v	EPOST B
18	INZEN				45.0 h
	ATRAZINE	4 F		32.0 oz/a	EPOST B
	CLARITY	4 SL		2.0 oz/a	EPOST B
	AGRIDEX			1.0 % v/v	EPOST B
	ZEST	75 DG		0.67 oz/a	POST C
	AGRIDEX			1.0 % v/v	POST C
	AMS			2.0 % v/v	POST C
19	INZEN				57.5 fg
	ZEST	75 DG		0.67 oz/a	EPOST B
	ATRAZINE	4 F		48.0 oz/a	EPOST B
	AGRIDEX			1.0 % v/v	EPOST B
20	INZEN				96.0 a
	EVERPREX	7.62 EC		16.0 oz/a	PRE A
	ZEST	75 DG		0.67 oz/a	POST C
	ATRAZINE	4 F		48.0 oz/a	POST C
	AGRIDEX			1.0 % v/v	POST C
21	INZEN				52.5 fgh
	EVERPREX	7.62 EC		16.0 oz/a	EPOST B
	ZEST	75 DG		0.67 oz/a	EPOST B
	ATRAZINE	4 F		48.0 oz/a	EPOST B
	AGRIDEX			1.0 % v/v	EPOST B
LSD P=.10	11.05				
Standard Deviation	9.36				
CV	13.61				
Grand Mean	68.76				
Bartlett's X2^	104.046				
P(Bartlett's X2)	0.00*				

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.

Could not calculate LSD (% mean diff) for columns 1,2 because error mean square = 0.

^Calculated from residual.

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Stunting % May-13-22 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	20	0.000000000000	0.000000000000	0.000	1.0000
Error	60	0.000000000000	0.000000000000		

Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-13-22 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	196020.952381			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	20	196020.952381	9801.047619	0.000	1.0000
Error	60	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-13-22 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	167874.321429			
Replicate	3	37.083333	12.361111	0.246	0.8638
Treatment	20	164822.571429	8241.128571	164.021	0.0001
Error	60	3014.666667	50.244444		

Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Stunting % May-23-22 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	5124.702381			
Replicate	3	181.845238	60.615079	4.101	0.0103
Treatment	20	4055.952381	202.797619	13.719	0.0001
Error	60	886.904762	14.781746		

Randomized Complete Block (RCB) AOV For Amapa ----- Control % May-23-22 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	125090.988095			
Replicate	3	39.654762	13.218254	1.229	0.3069
Treatment	20	124406.238095	6220.311905	578.548	0.0001
Error	60	645.095238	10.751587		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-23-22 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	119946.702381			
Replicate	3	1049.559524	349.853175	2.319	0.0844
Treatment	20	109845.952381	5492.297619	36.408	0.0001
Error	60	9051.190476	150.853175		

Randomized Complete Block (RCB) AOV For ----- Sorbi Leaf Chlorosis % May-23-22 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	10173.809524			
Replicate	3	35.714286	11.904762	1.835	0.1505
Treatment	20	9748.809524	487.440476	75.128	0.0001
Error	60	389.285714	6.488095		

Randomized Complete Block (RCB) AOV For ----- Sorbi Stunting % Jun-1-22 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	9560.416667			
Replicate	3	198.511905	66.170635	6.533	0.0007
Treatment	20	8754.166667	437.708333	43.214	0.0001
Error	60	607.738095	10.128968		

Randomized Complete Block (RCB) AOV For ----- Sorbi Chlorosis % Jun-1-22 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	5664.285714			
Replicate	3	64.285714	21.428571	2.400	0.0767
Treatment	20	5064.285714	253.214286	28.360	0.0001
Error	60	535.714286	8.928571		

Randomized Complete Block (RCB) AOV For ----- Sorbi Leaf Necrosis % Jun-1-22 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	1903.571429			
Replicate	3	5.952381	1.984127	1.266	0.2942
Treatment	20	1803.571429	90.178571	57.532	0.0001
Error	60	94.047619	1.567460		

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For Amapa ----- Control % Jun-1-22 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	137630.952381			
Replicate	3	11.904762	3.968254	0.594	0.6211
Treatment	20	137218.452381	6860.922619	1027.609	0.0001
Error	60	400.595238	6.676587		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % Jun-1-22 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	92470.238095			
Replicate	3	386.904762	128.968254	2.601	0.0603
Treatment	20	89107.738095	4455.386905	89.839	0.0001
Error	60	2975.595238	49.593254		

Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Stunting % Jun-13-22 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	1220.238095			
Replicate	3	58.333333	19.444444	1.818	0.1535
Treatment	20	520.238095	26.011905	2.432	0.0042
Error	60	641.666667	10.694444		

Randomized Complete Block (RCB) AOV For Amapa ----- Control % Jun-13-22 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	152010.416667			
Replicate	3	19.940476	6.646825	0.367	0.7770
Treatment	20	150904.166667	7545.208333	416.744	0.0001
Error	60	1086.309524	18.105159		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % Jun-13-22 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	96139.285714			
Replicate	3	63.095238	21.031746	0.340	0.7965
Treatment	20	92364.285714	4618.214286	74.650	0.0001
Error	60	3711.904762	61.865079		

Randomized Complete Block (RCB) AOV For Amapa ----- Control % Jun-28-22 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	156337.559524			
Replicate	3	974.416667	324.805556	2.026	0.1198
Treatment	20	145744.309524	7287.215476	45.456	0.0001
Error	60	9618.833333	160.313889		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % Jun-28-22 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	96745.952381			
Replicate	3	641.285714	213.761905	1.810	0.1550
Treatment	20	89017.952381	4450.897619	37.684	0.0001
Error	60	7086.714286	118.111905		

Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Ht1 In Jun-28-22 (Data Column 18)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	3628.071429			
Replicate	3	126.214286	42.071429	2.789	0.0482
Treatment	20	2596.696429	129.834821	8.606	0.0001
Error	60	905.160714	15.086012		

Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Ht2 In Jun-28-22 (Data Column 19)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	4111.223214			
Replicate	3	116.818452	38.939484	3.126	0.0323
Treatment	20	3246.910714	162.345536	13.031	0.0001
Error	60	747.494048	12.458234		

Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Ht3 In Jun-28-22 (Data Column 20)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	3898.821429			
Replicate	3	53.773810	17.924603	1.654	0.1864
Treatment	20	3194.946429	159.747321	14.744	0.0001
Error	60	650.101190	10.835020		

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For ---- Sorbi Plant Ht4 In Jun-28-22 (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	4246.937500			
Replicate	3	56.461310	18.820437	1.532	0.2155
Treatment	20	3453.250000	172.662500	14.052	0.0001
Error	60	737.226190	12.287103		

Randomized Complete Block (RCB) AOV For ----- Sorbi Plant Ht5 In Jun-28-22 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	3716.238095			
Replicate	3	57.214286	19.071429	1.370	0.2607
Treatment	20	2823.613095	141.180655	10.140	0.0001
Error	60	835.410714	13.923512		

Randomized Complete Block (RCB) AOV For ----- Sorbi Plant AVG-HGT In Jun-28-22 (Data Column 23)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	3502.502381			
Replicate	3	70.485238	23.495079	2.980	0.0384
Treatment	20	2959.027381	147.951369	18.768	0.0001
Error	60	472.989762	7.883163		

Randomized Complete Block (RCB) AOV For Amapa ----- Control % Aug-1-22 (Data Column 24)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	144820.416667			
Replicate	3	106.226190	35.408730	0.821	0.4874
Treatment	20	142126.166667	7106.308333	164.751	0.0001
Error	60	2588.023810	43.133730		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % Aug-1-22 (Data Column 25)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	83	95035.238095			
Replicate	3	59.523810	19.841270	0.227	0.8775
Treatment	20	89722.738095	4486.136905	51.241	0.0001
Error	60	5252.976190	87.549603		

Part Rated

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

Leaf = LEAF / FOLIAGE

Rating Unit

% = PERCENT

In = INCH

ARM Action Codes

T1 = ([18]+[19]+[20]+[21]+[22])/5

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						----- Sorbi Plant, - Stunting % May-13-22	Amapa ----- Control % May-13-22	Agrass ----- Control % May-13-22	----- Sorbi Plant, - Stunting % May-23-22	Amapa ----- Control % May-23-22
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2
1	IGROWTH NTC									
							101		0.0	0.0
							207		0.0	0.0
							305		0.0	0.0
							403		0.0	0.0
							Mean =		0.0	0.0
2	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE	A	102		0.0	99.0
							206		0.0	99.0
							304		0.0	99.0
							405		0.0	99.0
							Mean =		0.0	99.0
3	IGROWTH IMIFLEX	1 AS		9.0 oz/a	PRE	A	103		0.0	50.0
							204		0.0	50.0
							306		0.0	50.0
							407		0.0	50.0
							Mean =		0.0	50.0
4	IGROWTH MOCASSIN II PLUS IMIFLEX	7.64 EC 1 AS		21.0 oz/a 9.0 oz/a	PRE PRE	A A	104 205 302		0.0 0.0 0.0	99.0 99.0 99.0
							401		0.0	99.0
							Mean =		0.0	99.0
5	IGROWTH MOCASSIN II PLUS IMIFLEX AGRIDEX	7.64 EC 1 AS		21.0 oz/a 6.0 oz/a 1.0 % v/v	PRE POST POST	A C C	105 203 301 402		0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0
							Mean =		0.0	99.0
6	IGROWTH MOCASSIN II PLUS IMIFLEX ATRAZINE AGRIDEX	8 EC 1 AS 4 F		21.0 oz/a 6.0 oz/a 32.0 oz/a 1.0 % v/v	PRE POST POST POST	A C C C	106 202 307 404		0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0
							Mean =		0.0	99.0
7	IGROWTH IMIFLEX AGRIDEX	1 AS		6.0 oz/a 1.0 % v/v	EPOST EPOST	B B	107 201 303 406		0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
							Mean =		0.0	0.0
8	DOUBLE TEAM NTC						108		0.0	0.0
							214		0.0	0.0
							311		0.0	0.0
							413		0.0	0.0
							Mean =		0.0	0.0
9	DOUBE TEAM PARALLEL PLUS FIRSTACT AGRIDEX	5.5 F 0.88 EC		72.0 oz/a 10.0 oz/a 1.0 % v/v	PRE POST POST	A C C	109 213 310 411		0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0
							Mean =		0.0	99.0
10	DOUBLE TEAM ATRAZINE CLARITY AGRIDEX FIRSTACT AGRIDEX	4 F 4 SL 0.88 EC		32.0 oz/a 2.0 oz/a 1.0 % v/v 10.0 oz/a 1.0 % v/v	EPOST EPOST EPOST POST POST	B B B C C	110 212 309 408		0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 10.0 10.0
							Mean =		0.0	0.0

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						----- Sorbi Plant, - Stunting % May-13-22	Amapa ----- Control % May-13-22	Agrass ----- Control % May-13-22	----- Sorbi Plant, - Stunting % May-23-22	Amapa ----- Control % May-23-22
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Rate Unit	Grow Stg	Appl Code Plot		1	2	3	4	5
11 DOUBLE TEAM				111		0.0	99.0	95.0	20.0	100.0
PARALLEL	7.8 EC	24.0 oz/a	PRE	A 210		0.0	99.0	95.0	15.0	100.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 308		0.0	99.0	99.0	20.0	100.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 409		0.0	99.0	90.0	20.0	100.0
FIRSTACT	0.88 EC	10.0 oz/a	EPOST	B						
AGRIDEX		1.0 % v/v	EPOST	B						
Mean =						0.0	99.0	94.8	18.8	100.0
12 DOUBLE TEAM				112		0.0	99.0	85.0	10.0	100.0
PARALLEL	7.8 EC	24.0 oz/a	PRE	A 211		0.0	99.0	65.0	10.0	100.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 314		0.0	99.0	90.0	10.0	100.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 412		0.0	99.0	99.0	15.0	100.0
AGRIDEX		1.0 % v/v	EPOST	B						
FIRSTACT	0.88 EC	10.0 oz/a	POST	C						
AGRIDEX		1.0 % v/v	POST	C						
Mean =						0.0	99.0	84.8	11.3	100.0
13 DOUBLE TEAM				113		0.0	99.0	50.0	20.0	85.0
ATRAZINE	4 F	32.0 oz/a	PRE	A 209		0.0	99.0	50.0	15.0	60.0
FIRSTACT	0.88 EC	10.0 oz/a	EPOST	B 312		0.0	99.0	50.0	10.0	65.0
AGRIDEX		1.0 % v/v	EPOST	B 410		0.0	99.0	65.0	10.0	65.0
Mean =						0.0	99.0	53.8	13.8	68.8
14 DOUBLE TEAM				114		0.0	0.0	0.0	20.0	99.0
FIRSTACT	0.88 EC	10.0 oz/a	EPOST	B 208		0.0	0.0	0.0	20.0	100.0
ATRAZINE	4 F	48.0 oz/a	EPOST	B 313		0.0	0.0	0.0	20.0	100.0
AGRIDEX		1.0 % v/v	EPOST	B 414		0.0	0.0	0.0	20.0	100.0
Mean =						0.0	0.0	0.0	20.0	99.8
15 INZEN NTC				115		0.0	0.0	0.0	0.0	0.0
				221		0.0	0.0	0.0	0.0	0.0
				316		0.0	0.0	0.0	0.0	0.0
				418		0.0	0.0	0.0	0.0	0.0
Mean =						0.0	0.0	0.0	0.0	0.0
16 INZEN				116		0.0	99.0	95.0	0.0	100.0
CINCH ATZ	5.5 F	56.0 oz/a	PRE	A 220		0.0	99.0	90.0	10.0	100.0
ZEST	75 DG	0.67 oz/a	POST	C 315		0.0	99.0	95.0	10.0	100.0
AGRIDEX		1.0 % v/v	POST	C 417		0.0	99.0	99.0	10.0	100.0
AMS		2.0 % v/v	POST	C						
Mean =						0.0	99.0	94.8	7.5	100.0
17 INZEN				117		0.0	0.0	0.0	10.0	100.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 219		0.0	0.0	0.0	15.0	100.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 318		0.0	0.0	0.0	10.0	100.0
ZEST	75 DG	0.67 oz/a	EPOST	B 416		0.0	0.0	0.0	20.0	100.0
AGRIDEX		1.0 % v/v	EPOST	B						
AMS		2.0 % v/v	EPOST	B						
Mean =						0.0	0.0	0.0	13.8	100.0
18 INZEN				118		0.0	0.0	0.0	0.0	100.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 215		0.0	0.0	0.0	10.0	100.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 317		0.0	0.0	0.0	0.0	100.0
AGRIDEX		1.0 % v/v	EPOST	B 415		0.0	0.0	0.0	15.0	100.0
ZEST	75 DG	0.67 oz/a	POST	C						
AGRIDEX		1.0 % v/v	POST	C						
AMS		2.0 % v/v	POST	C						
Mean =						0.0	0.0	0.0	6.3	100.0

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						----- Sorbi Plant, - Stunting % May-13-22	Amapa ----- Control % May-13-22	Agrass ----- Control % May-13-22	----- Sorbi Plant, - Stunting % May-23-22	Amapa ----- Control % May-23-22
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2
19	INZEN							119	0.0	0.0
	ZEST	75	DG	0.67	oz/a	EPOST	B	217	0.0	0.0
	ATRAZINE	4	F	48.0	oz/a	EPOST	B	321	0.0	0.0
	AGRIDEX			1.0	% v/v	EPOST	B	420	0.0	0.0
								Mean =	0.0	0.0
20	INZEN							120	0.0	99.0
	EVERPREX	7.62	EC	16.0	oz/a	PRE	A	216	0.0	99.0
	ZEST	75	DG	0.67	oz/a	POST	C	319	0.0	99.0
	ATRAZINE	4	F	48.0	oz/a	POST	C	421	0.0	99.0
	AGRIDEX			1.0	% v/v	POST	C			
								Mean =	0.0	99.0
21	INZEN							121	0.0	0.0
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B	218	0.0	0.0
	ZEST	75	DG	0.67	oz/a	EPOST	B	320	0.0	0.0
	ATRAZINE	4	F	48.0	oz/a	EPOST	B	419	0.0	0.0
	AGRIDEX			1.0	% v/v	EPOST	B			
								Mean =	0.0	0.0

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							Agrass ----- Control % May-23-22	----- Sorbi Leaf, - Chlorosis % May-23-22	----- Sorbi Stunting % Jun-1-22	----- Sorbi Chlorosis % Jun-1-22	----- Sorbi Leaf, - Necrosis % Jun-1-22	Amapa ----- Control % Jun-1-22		
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	6	7	8	9	10	11
1	IGROWTH NTC						101		0.0	0.0	0.0	0.0	0.0	0.0
							207		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
							403		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	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE	A	102		95.0	0.0	0.0	0.0	0.0	100.0
							206		85.0	0.0	0.0	0.0	0.0	100.0
							304		70.0	0.0	0.0	10.0	0.0	100.0
							405		85.0	0.0	0.0	0.0	0.0	100.0
							Mean =		83.8	0.0	0.0	2.5	0.0	100.0
3	IGROWTH IMIFLEX	1 AS		9.0 oz/a	PRE	A	103		95.0	5.0	0.0	0.0	0.0	10.0
							204		95.0	0.0	0.0	0.0	0.0	10.0
							306		95.0	0.0	0.0	0.0	0.0	10.0
							407		95.0	0.0	0.0	0.0	0.0	10.0
							Mean =		95.0	1.3	0.0	0.0	0.0	10.0
4	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE	A	104		100.0	5.0	0.0	0.0	0.0	100.0
							205		100.0	5.0	0.0	0.0	0.0	95.0
	IMIFLEX	1 AS		9.0 oz/a	PRE	A	302		100.0	5.0	10.0	10.0	0.0	100.0
							401		100.0	5.0	0.0	0.0	0.0	95.0
							Mean =		100.0	5.0	2.5	2.5	0.0	97.5
5	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE	A	105		90.0	5.0	0.0	5.0	0.0	95.0
							203		100.0	0.0	0.0	0.0	0.0	100.0
	IMIFLEX	1 AS		6.0 oz/a	POST	C	301		95.0	0.0	0.0	0.0	0.0	100.0
	AGRIDEX			1.0 % v/v	POST	C	402		65.0	0.0	0.0	0.0	0.0	95.0
							Mean =		87.5	1.3	0.0	1.3	0.0	97.5
6	IGROWTH MOCASSIN II PLUS	8 EC		21.0 oz/a	PRE	A	106		95.0	5.0	0.0	0.0	0.0	100.0
							202		100.0	0.0	0.0	0.0	0.0	100.0
	IMIFLEX	1 AS		6.0 oz/a	POST	C	307		100.0	0.0	0.0	0.0	0.0	100.0
	ATRAZINE	4 F		32.0 oz/a	POST	C	404		90.0	0.0	0.0	0.0	0.0	100.0
	AGRIDEX			1.0 % v/v	POST	C								
							Mean =		96.3	1.3	0.0	0.0	0.0	100.0
7	IGROWTH IMIFLEX	1 AS		6.0 oz/a	EPOST	B	107		20.0	5.0	0.0	0.0	0.0	10.0
							201		85.0	0.0	0.0	0.0	0.0	20.0
	AGRIDEX			1.0 % v/v	EPOST	B	303		85.0	5.0	0.0	0.0	0.0	10.0
							406		75.0	5.0	0.0	0.0	0.0	10.0
							Mean =		66.3	3.8	0.0	0.0	0.0	12.5
8	DOUBLE TEAM NTC						108		0.0	0.0	0.0	0.0	0.0	0.0
							214		0.0	0.0	0.0	0.0	0.0	0.0
							311		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
							Mean =		0.0	0.0	0.0	0.0	0.0	0.0
9	DOUBE TEAM PARALLEL PLUS	5.5 F		72.0 oz/a	PRE	A	109		70.0	0.0	30.0	15.0	10.0	90.0
							213		95.0	0.0	30.0	15.0	10.0	100.0
	FIRSTACT	0.88 EC		10.0 oz/a	POST	C	310		65.0	0.0	20.0	10.0	10.0	90.0
	AGRIDEX			1.0 % v/v	POST	C	411		85.0	0.0	30.0	15.0	10.0	100.0
							Mean =		78.8	0.0	27.5	13.8	10.0	95.0
10	DOUBLE TEAM ATRAZINE	4 F		32.0 oz/a	EPOST	B	110		0.0	0.0	30.0	15.0	10.0	100.0
							212		0.0	0.0	30.0	15.0	10.0	100.0
	CLARITY	4 SL		2.0 oz/a	EPOST	B	309		0.0	0.0	25.0	10.0	10.0	95.0
	AGRIDEX			1.0 % v/v	EPOST	B	408		50.0	0.0	35.0	15.0	10.0	100.0
	FIRSTACT	0.88 EC		10.0 oz/a	POST	C								
	AGRIDEX			1.0 % v/v	POST	C								
							Mean =		12.5	0.0	30.0	13.8	10.0	98.8

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						Agrass ----- Control % May-23-22	----- Sorbi Leaf, - Chlorosis % May-23-22	----- Sorbi Stunting % Jun-1-22	----- Sorbi Chlorosis % Jun-1-22	----- Sorbi Leaf, - Necrosis % Jun-1-22	Amapa ----- Control % Jun-1-22
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code Plot		6	7	8	9	10	11
11 DOUBLE TEAM PARALLEL ATRAZINE CLARITY FIRSTACT AGRIDEX	7.8 EC 4 F 4 SL 0.88 EC	24.0 oz/a 32.0 oz/a 2.0 oz/a 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST EPOST EPOST	A B B B B	111 210 308 409 Mean =	100.0 99.0 100.0 100.0 99.8	10.0 15.0 15.0 15.0 13.8	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	100.0 100.0 100.0 100.0 100.0
12 DOUBLE TEAM PARALLEL ATRAZINE CLARITY AGRIDEX FIRSTACT AGRIDEX	7.8 EC 4 F 4 SL 0.88 EC	24.0 oz/a 32.0 oz/a 2.0 oz/a 10.0 oz/a 1.0 % v/v 1.0 % v/v	PRE EPOST EPOST EPOST POST POST	A B B B C C	112 211 314 412 Mean =	70.0 65.0 95.0 100.0 82.5	10.0 0.0 5.0 5.0 5.0	35.0 35.0 30.0 30.0 32.5	15.0 15.0 15.0 10.0 13.8	10.0 10.0 15.0 10.0 11.3	100.0 100.0 100.0 100.0 100.0
13 DOUBLE TEAM ATRAZINE FIRSTACT AGRIDEX	4 F 0.88 EC	32.0 oz/a 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST	A B B	113 209 312 410 Mean =	95.0 100.0 95.0 100.0 97.5	0.0 0.0 0.0 5.0 1.3	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	65.0 50.0 50.0 50.0 53.8
14 DOUBLE TEAM FIRSTACT ATRAZINE AGRIDEX	0.88 EC 4 F	10.0 oz/a 48.0 oz/a 1.0 % v/v	EPOST EPOST EPOST	B B B	114 208 313 414 Mean =	70.0 100.0 85.0 95.0 87.5	10.0 15.0 15.0 15.0 13.8	0.0 5.0 0.0 0.0 1.3	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0 100.0
15 INZEN NTC					115 221 316 418 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
16 INZEN CINCH ATZ ZEST AGRIDEX AMS	5.5 F 75 DG	56.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	PRE POST POST POST	A C C C	116 220 315 417 Mean =	80.0 85.0 95.0 100.0 90.0	20.0 15.0 30.0 20.0 21.3	10.0 10.0 0.0 10.0 7.5	20.0 20.0 20.0 5.0 16.3	10.0 5.0 10.0 10.0 8.8	100.0 100.0 100.0 100.0 100.0
17 INZEN ATRAZINE CLARITY ZEST AGRIDEX AMS	4 F 4 SL 75 DG	32.0 oz/a 2.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	EPOST EPOST EPOST EPOST EPOST	B B B B B	117 219 318 416 Mean =	50.0 50.0 50.0 50.0 50.0	30.0 30.0 30.0 30.0 30.0	15.0 15.0 0.0 10.0 10.0	20.0 20.0 15.0 15.0 17.5	10.0 10.0 10.0 10.0 10.0	100.0 100.0 100.0 100.0 100.0
18 INZEN ATRAZINE CLARITY AGRIDEX ZEST AGRIDEX AMS	4 F 4 SL 75 DG	32.0 oz/a 2.0 oz/a 0.67 oz/a 1.0 % v/v 1.0 % v/v 2.0 % v/v	EPOST EPOST EPOST POST POST POST	B B B C C C	118 215 317 415 Mean =	0.0 0.0 30.0 0.0 7.5	20.0 10.0 15.0 5.0 12.5	10.0 15.0 0.0 10.0 8.8	20.0 20.0 15.0 20.0 18.8	10.0 10.0 5.0 10.0 8.8	100.0 100.0 100.0 100.0 100.0

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date							Agrass ----- Control % May-23-22	----- Sorbi Leaf, - Chlorosis % May-23-22	----- Sorbi Stunting % Jun-1-22	----- Sorbi Chlorosis % Jun-1-22	----- Sorbi Leaf, - Necrosis % Jun-1-22	Amapa ----- Control % Jun-1-22	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg	Code Plot	6	7	8	9	10	11
19	INZEN						119	50.0	30.0	10.0	20.0	10.0	100.0
	ZEST	75	DG	0.67	oz/a	EPOST	B 217	50.0	30.0	15.0	20.0	5.0	100.0
	ATRAZINE	4	F	48.0	oz/a	EPOST	B 321	50.0	30.0	0.0	10.0	5.0	100.0
	AGRIDEX			1.0	% v/v	EPOST	B 420	50.0	30.0	10.0	15.0	10.0	100.0
							Mean =	50.0	30.0	8.8	16.3	7.5	100.0
20	INZEN						120	65.0	20.0	10.0	20.0	5.0	100.0
	EVERPREX	7.62	EC	16.0	oz/a	PRE	A 216	100.0	20.0	10.0	20.0	5.0	100.0
	ZEST	75	DG	0.67	oz/a	POST	C 319	65.0	20.0	0.0	10.0	5.0	100.0
	ATRAZINE	4	F	48.0	oz/a	POST	C 421	100.0	20.0	10.0	15.0	10.0	100.0
	AGRIDEX			1.0	% v/v	POST	C						
							Mean =	82.5	20.0	7.5	16.3	6.3	100.0
21	INZEN						121	50.0	30.0	15.0	20.0	10.0	100.0
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B 218	50.0	30.0	15.0	20.0	10.0	100.0
	ZEST	75	DG	0.67	oz/a	EPOST	B 320	50.0	30.0	10.0	15.0	10.0	100.0
	ATRAZINE	4	F	48.0	oz/a	EPOST	B 419	50.0	30.0	10.0	15.0	10.0	100.0
	AGRIDEX			1.0	% v/v	EPOST	B						
							Mean =	50.0	30.0	12.5	17.5	10.0	100.0

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						Agrass ----- Control % Jun-1-22	----- Sorbi Plant, - Stunting % Jun-13-22	Amapa ----- Control % Jun-13-22	Agrass ----- Control % Jun-13-22	Amapa ----- Control % Jun-28-22
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code Plot		12	13	14	15	16
1 IGROWTH NTC					101 207 305 403 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
2 IGROWTH MOCASSIN II PLUS	7.64 EC	21.0 oz/a	PRE	A	102 206 304 405 Mean =	95.0 75.0 75.0 75.0 80.0	0.0 0.0 5.0 5.0 2.5	100.0 100.0 100.0 95.0 98.8	100.0 80.0 65.0 75.0 80.0	100.0 99.0 95.0 90.0 96.0
3 IGROWTH IMIFLEX	1 AS	9.0 oz/a	PRE	A	103 204 306 407 Mean =	95.0 95.0 95.0 95.0 95.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	95.0 95.0 95.0 95.0 95.0	0.0 0.0 0.0 0.0 0.0
4 IGROWTH MOCASSIN II PLUS IMIFLEX	7.64 EC 1 AS	21.0 oz/a 9.0 oz/a	PRE PRE	A A	104 205 302 401 Mean =	100.0 100.0 100.0 100.0 100.0	10.0 0.0 15.0 0.0 6.3	100.0 95.0 100.0 95.0 97.5	100.0 100.0 100.0 100.0 100.0	100.0 95.0 99.0 95.0 97.3
5 IGROWTH MOCASSIN II PLUS IMIFLEX AGRINDEX	7.64 EC 1 AS	21.0 oz/a 6.0 oz/a 1.0 % v/v	PRE POST POST	A C C	105 203 301 402 Mean =	100.0 100.0 100.0 80.0 95.0	0.0 0.0 5.0 0.0 1.3	95.0 100.0 95.0 95.0 96.3	100.0 100.0 100.0 75.0 93.8	95.0 95.0 95.0 85.0 92.5
6 IGROWTH MOCASSIN II PLUS IMIFLEX ATRAZINE AGRINDEX	8 EC 1 AS 4 F	21.0 oz/a 6.0 oz/a 32.0 oz/a 1.0 % v/v	PRE POST POST POST	A C C C	106 202 307 404 Mean =	95.0 95.0 100.0 90.0 95.0	0.0 0.0 0.0 0.0 0.0	100.0 100.0 100.0 100.0 100.0	95.0 100.0 100.0 100.0 98.8	100.0 95.0 99.0 99.0 98.3
7 IGROWTH IMIFLEX AGRINDEX	1 AS	6.0 oz/a 1.0 % v/v	EPOST EPOST	B B	107 201 303 406 Mean =	75.0 95.0 95.0 85.0 87.5	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	90.0 95.0 95.0 95.0 93.8	0.0 0.0 0.0 0.0 0.0
8 DOUBLE TEAM NTC					108 214 311 413 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
9 DOUBE TEAM PARALLEL PLUS FIRSTACT AGRINDEX	5.5 F 0.88 EC	72.0 oz/a 10.0 oz/a 1.0 % v/v	PRE POST POST	A C C	109 213 310 411 Mean =	95.0 95.0 95.0 100.0 96.3	0.0 0.0 10.0 5.0 3.8	75.0 85.0 90.0 100.0 87.5	95.0 95.0 95.0 95.0 95.0	90.0 75.0 75.0 95.0 83.8
10 DOUBLE TEAM ATRAZINE CLARITY AGRINDEX FIRSTACT AGRINDEX	4 F 4 SL 0.88 EC	32.0 oz/a 2.0 oz/a 1.0 % v/v 10.0 oz/a 1.0 % v/v	EPOST EPOST EPOST POST POST	B B B C C	110 212 309 408 Mean =	85.0 100.0 100.0 100.0 96.3	10.0 5.0 10.0 10.0 8.8	100.0 95.0 95.0 100.0 97.5	95.0 95.0 95.0 95.0 95.0	95.0 90.0 85.0 90.0 90.0

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						Agrass ----- Control % Jun-1-22	----- Sorbi Plant, - Stunting % Jun-13-22	Amapa ----- Control % Jun-13-22	Agrass ----- Control % Jun-13-22	Amapa ----- Control % Jun-28-22
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code Plot		12	13	14	15	16
11 DOUBLE TEAM				111		100.0	10.0	100.0	100.0	99.0
PARALLEL	7.8 EC	24.0 oz/a	PRE	A 210		95.0	0.0	100.0	95.0	99.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 308		100.0	0.0	95.0	100.0	95.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 409		90.0	0.0	100.0	85.0	99.0
FIRSTACT	0.88 EC	10.0 oz/a	EPOST	B						
AGRIDEX		1.0 % v/v	EPOST	B						
Mean =						96.3	2.5	98.8	95.0	98.0
12 DOUBLE TEAM				112		95.0	0.0	100.0	95.0	99.0
PARALLEL	7.8 EC	24.0 oz/a	PRE	A 211		100.0	10.0	100.0	100.0	9.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 314		100.0	5.0	100.0	100.0	99.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 412		100.0	10.0	100.0	100.0	9.0
AGRIDEX		1.0 % v/v	EPOST	B						
FIRSTACT	0.88 EC	10.0 oz/a	POST	C						
AGRIDEX		1.0 % v/v	POST	C						
Mean =						98.8	6.3	100.0	98.8	54.0
13 DOUBLE TEAM				113		95.0	0.0	60.0	95.0	60.0
ATRAZINE	4 F	32.0 oz/a	PRE	A 209		95.0	0.0	30.0	95.0	0.0
FIRSTACT	0.88 EC	10.0 oz/a	EPOST	B 312		90.0	0.0	30.0	95.0	20.0
AGRIDEX		1.0 % v/v	EPOST	B 410		95.0	0.0	30.0	95.0	20.0
Mean =						93.8	0.0	37.5	95.0	25.0
14 DOUBLE TEAM				114		65.0	5.0	100.0	65.0	99.0
FIRSTACT	0.88 EC	10.0 oz/a	EPOST	B 208		95.0	10.0	100.0	100.0	95.0
ATRAZINE	4 F	48.0 oz/a	EPOST	B 313		70.0	0.0	100.0	65.0	99.0
AGRIDEX		1.0 % v/v	EPOST	B 414		65.0	0.0	100.0	95.0	99.0
Mean =						73.8	3.8	100.0	81.3	98.0
15 INZEN NTC				115		0.0	0.0	0.0	0.0	0.0
				221		0.0	0.0	0.0	0.0	0.0
				316		0.0	0.0	0.0	0.0	0.0
				418		0.0	0.0	0.0	0.0	0.0
Mean =						0.0	0.0	0.0	0.0	0.0
16 INZEN				116		95.0	5.0	100.0	95.0	95.0
CINCH ATZ	5.5 F	56.0 oz/a	PRE	A 220		100.0	0.0	100.0	100.0	95.0
ZEST	75 DG	0.67 oz/a	POST	C 315		95.0	5.0	100.0	100.0	99.0
AGRIDEX		1.0 % v/v	POST	C 417		100.0	0.0	100.0	100.0	99.0
AMS		2.0 % v/v	POST	C						
Mean =						97.5	2.5	100.0	98.8	97.0
17 INZEN				117		65.0	5.0	100.0	65.0	99.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 219		60.0	0.0	100.0	50.0	99.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 318		65.0	10.0	100.0	65.0	99.0
ZEST	75 DG	0.67 oz/a	EPOST	B 416		60.0	0.0	100.0	65.0	99.0
AGRIDEX		1.0 % v/v	EPOST	B						
AMS		2.0 % v/v	EPOST	B						
Mean =						62.5	3.8	100.0	61.3	99.0
18 INZEN				118		55.0	5.0	100.0	65.0	99.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 215		60.0	5.0	100.0	50.0	99.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 317		70.0	0.0	100.0	85.0	95.0
AGRIDEX		1.0 % v/v	EPOST	B 415		50.0	0.0	100.0	50.0	99.0
ZEST	75 DG	0.67 oz/a	POST	C						
AGRIDEX		1.0 % v/v	POST	C						
AMS		2.0 % v/v	POST	C						
Mean =						58.8	2.5	100.0	62.5	98.0

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						Agrass ----- Control % Jun-1-22	----- Sorbi Plant, - Stunting % Jun-13-22	Amapa ----- Control % Jun-13-22	Agrass ----- Control % Jun-13-22	Amapa ----- Control % Jun-28-22
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	12	13
19	INZEN							119	65.0	0.0
	ZEST	75	DG	0.67	oz/a	EPOST	B	217	80.0	0.0
	ATRAZINE	4	F	48.0	oz/a	EPOST	B	321	95.0	0.0
	AGRIDEX			1.0	% v/v	EPOST	B	420	65.0	0.0
								Mean =	76.3	0.0
20	INZEN							120	75.0	0.0
	EVERPREX	7.62	EC	16.0	oz/a	PRE	A	216	100.0	0.0
	ZEST	75	DG	0.67	oz/a	POST	C	319	80.0	0.0
	ATRAZINE	4	F	48.0	oz/a	POST	C	421	100.0	0.0
	AGRIDEX			1.0	% v/v	POST	C			
								Mean =	88.8	0.0
21	INZEN							121	65.0	0.0
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B	218	70.0	0.0
	ZEST	75	DG	0.67	oz/a	EPOST	B	320	80.0	10.0
	ATRAZINE	4	F	48.0	oz/a	EPOST	B	419	70.0	5.0
	AGRIDEX			1.0	% v/v	EPOST	B			
								Mean =	71.3	3.8

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						Agrass ----- Control % Jun-28-22	Sorbi ----- Plant, - Ht1 In Jun-28-22	Sorbi ----- Plant, - Ht2 In Jun-28-22	Sorbi ----- Plant, - Ht3 In Jun-28-22	Sorbi ----- Plant, - Ht4 In Jun-28-22
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	17	18
1	IGROWTH NTC									
							101		0.0	30.00
							207		0.0	27.00
							305		0.0	31.00
							403		0.0	25.00
							Mean =		0.0	28.25
2	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE	A	102		95.0	38.00
							206		55.0	49.00
							304		60.0	43.00
							405		65.0	47.00
							Mean =		68.8	44.25
3	IGROWTH IMIFLEX	1 AS		9.0 oz/a	PRE	A	103		99.0	29.00
							204		99.0	39.00
							306		99.0	33.50
							407		99.0	38.50
							Mean =		99.0	35.00
4	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE	A	104		99.0	41.50
							205		99.0	49.00
							302		99.0	41.50
							401		85.0	47.00
							Mean =		95.5	44.75
5	IGROWTH MOCASSIN II PLUS	7.64 EC		21.0 oz/a	PRE	A	105		95.0	43.00
							203		95.0	47.00
							301		99.0	42.00
							402		75.0	45.00
							Mean =		91.0	44.25
6	IGROWTH MOCASSIN II PLUS	8 EC		21.0 oz/a	PRE	A	106		95.0	46.50
							202		95.0	48.50
							307		99.0	45.00
							404		85.0	49.50
							Mean =		93.5	47.38
7	IGROWTH IMIFLEX	1 AS		6.0 oz/a	EPOST	B	107		99.0	39.50
							201		99.0	47.50
							303		99.0	31.00
							406		90.0	37.00
							Mean =		96.8	38.75
8	DOUBLE TEAM NTC						108		0.0	41.00
							214		0.0	28.00
							311		0.0	24.00
							413		0.0	27.00
							Mean =		0.0	30.00
9	DOUBE TEAM PARALLEL PLUS	5.5 F		72.0 oz/a	PRE	A	109		75.0	42.00
							213		95.0	42.00
							310		95.0	38.00
							411		99.0	38.00
							Mean =		91.0	40.00
10	DOUBLE TEAM ATRAZINE	4 F		32.0 oz/a	EPOST	B	110		90.0	40.00
							212		99.0	44.50
							309		90.0	39.00
							408		90.0	44.00
							Mean =		92.3	41.88

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NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						Agrass ----- Control % Jun-28-22	Sorbi ----- Plant, - Ht1 In Jun-28-22	Sorbi ----- Plant, - Ht2 In Jun-28-22	Sorbi ----- Plant, - Ht3 In Jun-28-22	Sorbi ----- Plant, - Ht4 In Jun-28-22
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code Plot		17	18	19	20	21
11 DOUBLE TEAM PARALLEL ATRAZINE CLARITY FIRSTACT AGRINDEX	7.8 EC 4 F 4 SL 0.88 EC	24.0 oz/a 32.0 oz/a 2.0 oz/a 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST EPOST EPOST	A B B B B	111 210 308 409 Mean =	99.0 85.0 99.0 70.0 88.3	40.50 43.00 45.50 46.50 43.88	37.00 41.50 45.00 44.00 41.88	41.00 41.00 47.00 42.00 42.75	40.00 43.00 44.50 40.00 41.88
12 DOUBLE TEAM PARALLEL ATRAZINE CLARITY AGRINDEX FIRSTACT AGRINDEX	7.8 EC 4 F 4 SL 0.88 EC	24.0 oz/a 32.0 oz/a 2.0 oz/a 10.0 oz/a 1.0 % v/v 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST EPOST EPOST POST POST	A B B B B C C	112 211 314 412 Mean =	90.0 99.0 99.0 99.0 96.8	40.00 41.00 40.00 43.00 41.00	45.00 40.00 42.00 41.50 42.13	43.00 41.00 42.00 45.00 42.75	40.00 43.00 44.50 43.00 42.63
13 DOUBLE TEAM ATRAZINE FIRSTACT AGRINDEX	4 F 0.88 EC	32.0 oz/a 10.0 oz/a 1.0 % v/v	PRE EPOST EPOST	A B B	113 209 312 410 Mean =	85.0 95.0 95.0 95.0 92.5	42.50 48.00 47.00 43.00 45.13	41.00 45.00 44.00 46.00 44.00	43.00 45.00 42.00 45.00 43.75	41.00 46.00 43.00 39.00 42.25
14 DOUBLE TEAM FIRSTACT ATRAZINE AGRINDEX	0.88 EC 4 F	10.0 oz/a 48.0 oz/a 1.0 % v/v	EPOST EPOST EPOST	B B B	114 208 313 414 Mean =	50.0 85.0 65.0 85.0 71.3	46.50 43.00 44.50 44.00 44.50	44.00 44.50 41.00 45.00 43.63	42.00 45.00 43.00 41.00 42.75	41.50 45.00 46.00 41.00 43.38
15 INZEN NTC					115 221 316 418 Mean =	0.0 0.0 0.0 0.0 0.0	35.00 28.00 25.00 29.00 29.25	35.00 29.00 30.00 34.00 32.00	32.00 31.00 27.00 26.50 29.13	36.00 31.50 27.50 24.00 29.75
16 INZEN CINCH ATZ ZEST AGRINDEX AMS	5.5 F 75 DG	56.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	PRE POST POST POST	A C C C	116 220 315 417 Mean =	99.0 60.0 99.0 99.0 89.3	46.00 45.00 41.00 28.00 40.00	38.50 47.50 42.00 32.00 40.00	37.00 43.00 42.00 38.00 40.00	42.00 40.50 41.00 37.00 40.13
17 INZEN ATRAZINE CLARITY ZEST AGRINDEX AMS	4 F 4 SL 75 DG	32.0 oz/a 2.0 oz/a 0.67 oz/a 1.0 % v/v 2.0 % v/v	EPOST EPOST EPOST EPOST EPOST	B B B B B	117 219 318 416 Mean =	50.0 20.0 70.0 50.0 47.5	32.50 36.00 28.50 28.00 31.25	31.50 34.50 27.00 24.50 29.38	35.50 34.00 32.00 24.00 31.38	33.00 30.00 28.00 30.00 30.25
18 INZEN ATRAZINE CLARITY AGRINDEX ZEST AGRINDEX AMS	4 F 4 SL 75 DG	32.0 oz/a 2.0 oz/a 0.67 oz/a 1.0 % v/v 1.0 % v/v 2.0 % v/v	EPOST EPOST EPOST EPOST EPOST EPOST	B B B B B C C C	118 215 317 415 Mean =	50.0 60.0 75.0 55.0 60.0	34.00 41.50 38.00 38.00 37.88	31.50 39.00 32.00 34.00 34.13	41.00 39.00 32.50 33.00 36.38	38.50 34.00 29.50 33.00 33.75

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						Agrass ----- Control % Jun-28-22	----- Sorbi Plant, - Ht1 In Jun-28-22	----- Sorbi Plant, - Ht2 In Jun-28-22	----- Sorbi Plant, - Ht3 In Jun-28-22	----- Sorbi Plant, - Ht4 In Jun-28-22
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	17	18
19	INZEN							119	40.0	33.00
	ZEST	75	DG	0.67	oz/a	EPOST	B	217	65.0	39.00
	ATRAZINE	4	F	48.0	oz/a	EPOST	B	321	75.0	39.00
	AGRIDEX			1.0	% v/v	EPOST	B	420	60.0	34.00
								Mean =	60.0	36.25
20	INZEN							120	95.0	41.00
	EVERPREX	7.62	EC	16.0	oz/a	PRE	A	216	95.0	36.00
	ZEST	75	DG	0.67	oz/a	POST	C	319	99.0	37.50
	ATRAZINE	4	F	48.0	oz/a	POST	C	421	99.0	34.00
	AGRIDEX			1.0	% v/v	POST	C			
								Mean =	97.0	37.13
21	INZEN							121	40.0	39.00
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B	218	65.0	36.00
	ZEST	75	DG	0.67	oz/a	EPOST	B	320	75.0	36.50
	ATRAZINE	4	F	48.0	oz/a	EPOST	B	419	65.0	35.50
	AGRIDEX			1.0	% v/v	EPOST	B			
								Mean =	61.3	36.75

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						----- Sorbi Plant, - Ht5 In Jun-28-22	----- Sorbi Plant, - AVG-HGT In Jun-28-22	Amapa ----- Control % Aug-1-22	Agrass ----- Control % Aug-1-22
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code Plot		22	23	24	25
1 IGROWTH NTC					101 207 305 403 Mean =	31.00 26.00 26.50 24.00 26.88	31.0 26.0 26.1 24.7 27.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
2 IGROWTH MOCASSIN II PLUS	7.64 EC	21.0 oz/a	PRE	A	102 206 304 405 Mean =	42.50 48.50 47.00 46.50 46.13	41.6 48.9 44.6 46.0 45.3	95.0 95.0 95.0 95.0 95.0	85.0 65.0 30.0 65.0 61.3
3 IGROWTH IMIFLEX	1 AS	9.0 oz/a	PRE	A	103 204 306 407 Mean =	28.00 24.00 42.00 34.00 32.00	28.0 31.1 36.4 33.7 32.3	0.0 0.0 0.0 0.0 0.0	95.0 95.0 95.0 95.0 95.0
4 IGROWTH MOCASSIN II PLUS IMIFLEX	7.64 EC 1 AS	21.0 oz/a 9.0 oz/a	PRE PRE	A A	104 205 302 401 Mean =	42.50 44.00 45.00 48.50 45.00	40.8 47.7 42.3 47.9 44.7	99.0 95.0 80.0 85.0 89.8	99.0 99.0 95.0 95.0 97.0
5 IGROWTH MOCASSIN II PLUS IMIFLEX AGRINDEX	7.64 EC 1 AS	21.0 oz/a 6.0 oz/a 1.0 % v/v	PRE POST POST	A C C	105 203 301 402 Mean =	43.50 49.00 43.50 47.00 45.75	42.3 47.4 43.8 46.5 45.0	90.0 95.0 90.0 85.0 90.0	95.0 95.0 95.0 75.0 90.0
6 IGROWTH MOCASSIN II PLUS IMIFLEX ATRAZINE AGRINDEX	8 EC 1 AS 4 F	21.0 oz/a 6.0 oz/a 32.0 oz/a 1.0 % v/v	PRE POST POST POST	A C C C	106 202 307 404 Mean =	42.50 47.00 49.00 44.00 45.63	44.1 49.2 47.6 45.9 46.7	95.0 80.0 95.0 90.0 90.0	90.0 95.0 95.0 95.0 93.8
7 IGROWTH IMIFLEX AGRINDEX	1 AS	6.0 oz/a 1.0 % v/v	EPOST EPOST	B B	107 201 303 406 Mean =	29.50 37.00 36.50 24.00 31.75	32.6 40.0 33.6 27.7 33.5	0.0 0.0 0.0 0.0 0.0	95.0 95.0 95.0 95.0 95.0
8 DOUBLE TEAM NTC					108 214 311 413 Mean =	33.00 28.00 27.00 32.00 30.00	35.0 26.3 25.0 28.9 28.8	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
9 DOUBE TEAM PARALLEL PLUS FIRSTACT AGRINDEX	5.5 F 0.88 EC	72.0 oz/a 10.0 oz/a 1.0 % v/v	PRE POST POST	A C C	109 213 310 411 Mean =	43.00 46.00 39.00 44.50 43.13	44.0 44.3 38.2 40.9 41.9	65.0 65.0 75.0 95.0 75.0	85.0 95.0 85.0 95.0 90.0
10 DOUBLE TEAM ATRAZINE CLARITY AGRINDEX FIRSTACT AGRINDEX	4 F 4 SL 0.88 EC	32.0 oz/a 2.0 oz/a 1.0 % v/v 10.0 oz/a 1.0 % v/v	EPOST EPOST EPOST POST POST	B B B C C	110 212 309 408 Mean =	43.00 46.00 40.00 46.00 43.75	42.4 43.6 39.1 45.7 42.7	75.0 90.0 65.0 65.0 73.8	65.0 85.0 95.0 90.0 83.8

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Part Rated Rating Data Type Rating Unit Rating Date						----- Sorbi Plant, - Ht5 In Jun-28-22	----- Sorbi Plant, - AVG-HGT In Jun-28-22	Amapa ----- Control % Aug-1-22	Agrass ----- Control % Aug-1-22
Trt Treatment No. Name	Form Form Conc Type	Rate Rate Unit	Grow Stg	Appl Code Plot		22	23	24	25
11 DOUBLE TEAM				111		39.00	39.5	80.0	90.0
PARALLEL	7.8 EC	24.0 oz/a	PRE	A 210		45.00	42.7	95.0	75.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 308		44.50	45.3	95.0	95.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 409		41.00	42.7	95.0	65.0
FIRSTACT	0.88 EC	10.0 oz/a	EPOST	B					
AGRIDEX		1.0 % v/v	EPOST	B					
Mean =						42.38	42.6	91.3	81.3
12 DOUBLE TEAM				112		40.00	41.6	95.0	95.0
PARALLEL	7.8 EC	24.0 oz/a	PRE	A 211		41.50	41.3	85.0	95.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 314		41.00	41.9	85.0	95.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 412		42.50	43.0	95.0	95.0
AGRIDEX		1.0 % v/v	EPOST	B					
FIRSTACT	0.88 EC	10.0 oz/a	POST	C					
AGRIDEX		1.0 % v/v	POST	C					
Mean =						41.25	42.0	90.0	95.0
13 DOUBLE TEAM				113		43.50	42.2	0.0	95.0
ATRAZINE	4 F	32.0 oz/a	PRE	A 209		46.00	46.0	0.0	95.0
FIRSTACT	0.88 EC	10.0 oz/a	EPOST	B 312		42.00	43.6	0.0	95.0
AGRIDEX		1.0 % v/v	EPOST	B 410		39.00	42.4	0.0	95.0
Mean =						42.63	43.6	0.0	95.0
14 DOUBLE TEAM				114		42.00	43.2	95.0	50.0
FIRSTACT	0.88 EC	10.0 oz/a	EPOST	B 208		43.00	44.1	100.0	95.0
ATRAZINE	4 F	48.0 oz/a	EPOST	B 313		46.50	44.2	65.0	65.0
AGRIDEX		1.0 % v/v	EPOST	B 414		43.00	42.8	95.0	75.0
Mean =						43.63	43.6	88.8	71.3
15 INZEN NTC				115		39.00	35.4	0.0	0.0
				221		33.00	30.5	0.0	0.0
				316		31.00	28.1	0.0	0.0
				418		27.50	28.2	0.0	0.0
Mean =						32.63	30.6	0.0	0.0
16 INZEN				116		44.50	41.6	85.0	95.0
CINCH ATZ	5.5 F	56.0 oz/a	PRE	A 220		43.00	43.8	95.0	90.0
ZEST	75 DG	0.67 oz/a	POST	C 315		40.00	41.2	99.0	99.0
AGRIDEX		1.0 % v/v	POST	C 417		31.00	33.2	90.0	95.0
AMS		2.0 % v/v	POST	C					
Mean =						39.63	40.0	92.3	94.8
17 INZEN				117		37.50	34.0	95.0	50.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 219		35.50	34.0	95.0	50.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 318		28.00	28.7	99.0	60.0
ZEST	75 DG	0.67 oz/a	EPOST	B 416		34.00	28.1	95.0	40.0
AGRIDEX		1.0 % v/v	EPOST	B					
AMS		2.0 % v/v	EPOST	B					
Mean =						33.75	31.2	96.0	50.0
18 INZEN				118		35.00	36.0	95.0	50.0
ATRAZINE	4 F	32.0 oz/a	EPOST	B 215		39.00	38.5	100.0	50.0
CLARITY	4 SL	2.0 oz/a	EPOST	B 317		30.00	32.4	95.0	40.0
AGRIDEX		1.0 % v/v	EPOST	B 415		35.00	34.6	100.0	40.0
ZEST	75 DG	0.67 oz/a	POST	C					
AGRIDEX		1.0 % v/v	POST	C					
AMS		2.0 % v/v	POST	C					
Mean =						34.75	35.4	97.5	45.0

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022	
Trial ID: GS-01-22	Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
Location: PONDER FARM	Investigator: Eric P. Prostko

Weed Code							-----	-----	Amapa	Agrass		
Crop Code							Sorbi	Sorbi	-----	-----		
Part Rated							Plant, -	Plant, -				
Rating Data Type							Ht5	AVG-HGT	Control	Control		
Rating Unit							In	In	%	%		
Rating Date							Jun-28-22	Jun-28-22	Aug-1-22	Aug-1-22		
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	22	23	24	25
19	INZEN							119	39.50	36.1	95.0	50.0
	ZEST	75	DG	0.67	oz/a	EPOST	B	217	36.50	37.3	95.0	40.0
	ATRAZINE	4	F	48.0	oz/a	EPOST	B	321	31.00	36.4	95.0	75.0
	AGRIDEX			1.0	% v/v	EPOST	B	420	35.00	34.4	95.0	65.0
								Mean =	35.50	36.1	95.0	57.5
20	INZEN							120	40.00	38.7	90.0	95.0
	EVERPREX	7.62	EC	16.0	oz/a	PRE	A	216	40.00	38.3	95.0	95.0
	ZEST	75	DG	0.67	oz/a	POST	C	319	41.00	38.8	95.0	95.0
	ATRAZINE	4	F	48.0	oz/a	POST	C	421	35.50	34.8	99.0	99.0
	AGRIDEX			1.0	% v/v	POST	C					
								Mean =	39.13	37.7	94.8	96.0
21	INZEN							121	35.00	36.6	95.0	50.0
	EVERPREX	7.62	EC	16.0	oz/a	EPOST	B	218	38.00	34.9	95.0	50.0
	ZEST	75	DG	0.67	oz/a	EPOST	B	320	34.00	34.0	90.0	60.0
	ATRAZINE	4	F	48.0	oz/a	EPOST	B	419	34.00	34.6	95.0	50.0
	AGRIDEX			1.0	% v/v	EPOST	B					
								Mean =	35.25	35.0	93.8	52.5

University of Georgia

NEW GRAIN SORGHUM WEED CONTROL TECHNOLOGIES - 2022

Trial ID: GS-01-22 Study Dir.: B.BEAN/UNITED SORGHUM GROWERS
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

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

Leaf = LEAF / FOLIAGE

Rating Unit

% = PERCENT

In = INCH

ARM Action Codes

T1 = ([18]+[19]+[20]+[21]+[22])/5