

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
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	NTC								-	101	210	309	410
2	ACURON	3.44	ZC	48.0 oz/a	PRE	A	15 GPA	37.5 mL/mx	1462.5 mL	102	212	303	411
3	RESICORE	3.29	SL	40.0 oz/a	PRE	A	15 GPA	31.25 mL/mx	1468.8 mL	103	213	312	405
4	TRIVOLT	3.65	SC	12.0 oz/a	PRE	A	15 GPA	9.375 mL/mx	1490.6 mL	104	209	313	403
5	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A	15 GPA	8.594 mL/mx	1491.4 mL	105	203	304	408
6	SURTAIN AATREX	1.63 4 L	ZC	11.0 oz/a 32.0 oz/a	PRE PRE	A A	15 GPA 15 GPA	8.594 mL/mx 25.0 mL/mx	1466.4 mL	106	202	305	406
7	SURTAIN CLARITY ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 4 SL 5.88 SL	ZC SL	11.0 oz/a 8.0 oz/a 30.0 oz/a	EPOST EPOST EPOST	B B B	15 GAL/AC 15 GAL/AC 15 GAL/AC	8.594 mL/mx 6.25 mL/mx 23.44 mL/mx	1428 mL	107	211	314	413
8	SURTAIN ARMEZON AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 2.8 SC 4 L 5.88 SL	ZC SC	11.0 oz/a 0.75 oz/a 32.0 oz/a 30.0 oz/a	EPOST EPOST EPOST EPOST	B B B B	15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	8.594 mL/mx 0.5859 mL/mx 25.0 mL/mx 23.44 mL/mx	1397.4 mL	108	201	307	409
9	SURTAIN ARMEZON PRO AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 5.36 EC 4 L 5.88 SL	ZC EC	11.0 oz/a 16.0 oz/a 32.0 oz/a 30.0 oz/a	PRE POST2 POST2 POST2	A D D D	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC	8.594 mL/mx 12.5 mL/mx 25.0 mL/mx 23.44 mL/mx	1491.4 mL 1394.1 mL	109	208	302	414
10	SURTAIN STATUS ZIDUA ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 56 WG 4.17 SC 5.88 SL	ZC WG SC	11.0 oz/a 5.0 oz/a 2.0 oz/a 30.0 oz/a	PRE POST2 POST2 POST2	A D D D	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC	8.594 mL/mx 3.745 g/mx 1.562 mL/mx 23.44 mL/mx	1491.4 mL 1437.5 mL	110	204	301	407
11	SURTAIN ARMEZON AATREX AMSOL AGRIDEX	1.63 2.8 SC 4 L	ZC SC	11.0 oz/a 0.75 oz/a 32.0 oz/a	POST1 POST1 POST1	C C C	15 GAL/AC 15 GAL/AC 15 GAL/AC	8.594 mL/mx 0.5859 mL/mx 25.0 mL/mx	1420.8 mL	111	206	311	401
12	SURTAIN AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 4 L 5.88 SL	ZC	11.0 oz/a 32.0 oz/a 30.0 oz/a	POST1 POST1 POST1	C C C	15 GAL/AC 15 GAL/AC 15 GAL/AC	8.594 mL/mx 25.0 mL/mx 23.44 mL/mx	1398 mL	112	205	310	412
13	AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	4 L 5.88 SL		32.0 oz/a 30.0 oz/a	POST1 POST1	C C	15 GAL/AC 15 GAL/AC	25.0 mL/mx 23.44 mL/mx	1406.6 mL	113	214	308	402
14	HALEX GT AATREX AMSOL AGRIDEX	4.39 4 L	SE	60.0 oz/a 32.0 oz/a	POST1 POST1	C C	15 GAL/AC 15 GAL/AC	46.87 mL/mx 25.0 mL/mx	1383.1 mL	114	207	306	404

Sort Order: Treatment

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SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN	
Trial ID: CN-04-24	Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM	Investigator: Eric P. Prostko
Trial Comments	
SURTAIN (BAS-82100H) = PYROXASULFONE (1.0 LB/GAL) + SAFLUFENACIL (0.625 LB/GAL) ACURON = ATRAZINE (1.0 LB/GAL) + BICYCLOPYRONE (0.06 LB/GAL) + MESOTRIONE (0.24 LBS/GAL) + S-MOC (2.14 LBS/GAL) RESICORE= ACETOCHLOR (2.8 LBS/GAL) + MESOTRIONE (0.30 LBS/GAL) + CLOPYRALID (0.19 LBS/GAL) TRIVOLT =THIENCARBAZONE (0.23 LBS/GAL) + ISOXAFLUTOLE (0.57 LBS/GAL) + FLUFENACET (2.85 LBS/GAL) HALEX GT = S-MOC (2.09 LBS/GAL) + GLYPHOSATE (2.09 LBS/GAL) + MESOTRIONE (0.209 LBS/GAL) ARMEZON PRO = TOPRAMEZONE (0.1 LBS/GAL) + DIMETHENAMID-P (5.26 LBS/GAL) STATUS = DICAMBA (40%)+ DIFLUFENZOPYR (16%) + SAFENER (ISOXADIFEN) SUNRISE ON 04/15/24: 7:05 AM SUNRISE ON 04/23/24: 6:56 AM SUNRISE ON 04/29/24: 6:50 AM HARVEST DATE: 08/29/24 HARVEST MOISTURE: 14.85% YIELDS ADJUSTED TO 15.5% <u>SUMMARY:</u> 1) ALL PRE TREATMENTS CAUSED CORN STUNTING. GENERALLY, SURTAIN + AATREX WAS MORE INJURIOUS THAN THE OTHER PRE TREATMENTS. 2) ON APRIL 22 (20 DAT), ALL PRE TREATMENTS PROVIDED EXCELLENT CONTROL OF PALMER AMAMRANTH (98+%). ACURON AND RESICORE WERE LESS EFFECTIVE ON ANNUAL GRASSES COMPARED TO TRIVOLT AND SURTAIN. RESICORE PROVDDED LESS CONTROL OF WILD RADISH THAN THE OTHER PRE TREATMENTS. 3) EPOST OR POST1 TREATMENTS WITH SURTAIN CAUSED CORN STUNTING. 4) ARMEZON PRO AND STATUS APPLIED POST2 CAUSED 16-20% STUNTING (8 DAT). 5) WEED CONTROL RATINGS ON MAY 23 (52 DAP) INDICATED THE FOLLOWING: A) ALL TREATMENTS PROVIDED AT LEAST 93% CONTROL OF PALMER AMARANTH EXCEPT FOR PRE APPLICATIONS OF RESICORE (90% CONTROL) AND TRIVOLT (88% CONTROL) B) WILD RADISH CONTROL WAS AT LEAST 90% WITH ALL TREATMENTS EXCEPT THE FOLLOWING: RESICORE (PRE): 76% CONTROL TRIVOLT OR SURTAIN (PRE): 88% CONTROL AATREX + ROUNDUP P-MAX3 (POST1): 87% CONTROL C) ANNUAL GRASS CONTROL EXCEEDED 92% WITH ALL TREATMENTS EXCEPT THE FOLLOWING: ACURON OR RESICORE (PRE): 36% CONTROL TRIVOLT (PRE): 87% CONTROL SURTAIN OR SURTAIN + AATREX (PRE): 56-66% CONTROL 6) CORN YIELDS WERE NOT INFLUENCED BY ANY HERBICIDE TREATMENT (P=0.8502). TEST AVERAGE YIELD WAS 193 BU/A.	

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Study Dir.: JACOB SMITH/NICK SHAY

Location: PONDER FARM

Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: JACOB SMITH

Affiliation: BASF

Postal Code:

Title:

Investigator: Eric P. Prostko

Affiliation: UGA

Postal Code:

Title:

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

Guidelines:

Conducted Under GEP (Y/N): N

Guideline Description:

Objective:

Conclusions:

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	AGRASS	TX	PAN/CRB/GOOSE/CROW
2.	AMAPA	PA	LMER AMARANTH
3.	RAPRA	WI	LD RADISH
4.	MOLVE	CA	RPETWEED

Crop 1: ZEAMA

FIELD CORN

Planting Date: Apr-1-24

Rate: 33880

Row Spacing: 36 IN

Soil Temperature:

Planting Method: MONOSEM

Depth: 1.5 IN

Spacing Within Row:

Soil Moisture: OPTIMUM

Variety: PIONEER 2042VYHR

Perennial Age:

Seed Bed:

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

SIDEDRESS: 125-0-0-16: APRIL 24 AND MAY 1

AXILO BMZ (MICRO-NUTRIENTS) - APRIL 30

SIDEDRESS: 83-0-0-10: MAY 13

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Investigator: Eric P. Prostko

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

SOIL DESCRIPTION

% Sand: 94

% OM: 6.4

Texture: SAND

% Silt: 4

pH: 7.0

Soil Name: TIFTON/DOTHAN SAND

% Clay: 2

CEC: 2.8

Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-3-24		1.3	IN	RAINFALL		
2.	Apr-10-24		0.2	IN	SPRINKLER - LATERAL MOVE		
3.	Apr-10-24		2.71	IN	RAINFALL		
4.	Apr-11-24		1.78	IN	RAINFALL		
5.	Apr-21-24		1.0	IN	RAINFALL		
6.	Apr-26-24		0.3	IN	SPRINKLER - LATERAL MOVE		
7.	May-2-24		0.5	IN	SPRINKLER - LATERAL MOVE		
8.	May-4-24		0.9	IN	RAINFALL		
9.	May-9-24		0.73	IN	RAINFALL		
10.	May-10-24		0.75	IN	RAINFALL		
11.	May-13-24		1.1	IN	RAINFALL		
12.	May-17-24		0.96	IN	RAINFALL		
13.	May-18-24		1.35	IN	RAINFALL		
14.	May-19-24		0.69	IN	RAINFALL		
15.	May-25-24		0.44	IN	RAINFALL		
16.	May-27-24		0.62	IN	RAINFALL		
17.	Jun-3-24		0.35	IN	SPRINKLER - LATERAL MOVE		
18.	Jun-5-24		0.4	IN	SPRINKLER - LATERAL MOVE		
19.	Jun-11-24		0.45	IN	SPRINKLER - LATERAL MOVE		

Overall Moisture Conditions:

Closest Weather Station:

Distance:

Unit:

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Location: PONDER FARM

Investigator: Eric P. Prostko

APPLICATION DESCRIPTION				
	A	B	C	D
Application Date:	Apr-2-24	Apr-15-24	Apr-23-24	Apr-29-24
Time of Day:	8:00 AM	6:53 AM	7:00 AM	7:00 AM
Application Method:	BROADCAST	BROADCAST	BROADCAST	BROADCAST
Application Timing:	PRE	EPOST	POST1	POST2
Applic. Placement:	FOLIAGE	FOLIAGE	FOLIAGE	FOLIAGE
Air Temp., Unit:	64 F	57 F	46 F	61 F
% Relative Humidity:	99	79	93	95
Wind Velocity, Unit:	4 MPH	1 MPH	0 MPH	1 MPH
Dew Presence (Y/N):	N	Y	Y	Y
Water Hardness:	--	--	--	--
Soil Temp., Unit:	62 F	64 F	58 F	64 F
Soil Moisture:	OPTIMUM	OPTIMUM	OPTIMUM	OPTIMUM
% Cloud Cover:	100	10	0	0

CROP STAGE AT EACH APPLICATION				
	A	B	C	D
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,	ZEAMA,	ZEAMA,
Stage Scale:		V2-V3	V4	V5
Height, Unit:		3, IN	8, IN	12, IN

WEED STAGE AT EACH APPLICATION				
	A	B	C	D
Weed 1 Code, Stage:	AGRAS,	AGRAS,	AGRAS,	AGRAS,
Stage Scale:				
Density, Unit:				
Weed 2 Code, Stage:	AMAPA,	AMAPA,	AMAPA,	AMAPA,
Stage Scale:				
Density, Unit:				
Weed 3 Code, Stage:	RAPRA,	RAPRA,	RAPRA,	RAPRA,
Stage Scale:				
Density, Unit:				
Weed 4 Code, Stage:	MOLVE,	MOLVE,	MOLVE,	MOLVE,
Stage Scale:				
Density, Unit:				

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APPLICATION EQUIPMENT				
	A	B	C	D
Appl. Equipment:	BACKPACK	SAME AS A	SAME AS A	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 Code Crop Code Rating Data Type Rating Unit Rating Date							Zeama Stunting % Apr-15-24	Amapa Control % Apr-15-24	Agrass Control % Apr-15-24	Rapra Control % Apr-15-24	Zeama Stunting % Apr-22-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5
1	NTC						0.0 c	0.0 c	0.0 d	0.0 b	0.0 -
2	ACURON	3.44	ZC	48.0 oz/a	PRE	A	1.3 c	99.0 a	92.0 c	96.8 a	0.0 -
3	RESICORE	3.29	SL	40.0 oz/a	PRE	A	2.5 bc	99.0 a	95.8 abc	96.8 a	0.0 -
4	TRIVOLT	3.65	SC	12.0 oz/a	PRE	A	5.0 ab	99.0 a	99.0 a	98.0 a	5.0 -
5	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A	5.0 ab	99.0 a	95.8 abc	98.0 a	2.5 -
6	SURTAIN AATREX	1.63 4 L	ZC SL	11.0 oz/a 32.0 oz/a	PRE PRE	A A	7.5 a	99.0 a	97.0 ab	98.0 a	5.0 -
7	SURTAIN CLARITY ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 4 L 5.88	ZC SL SL	11.0 oz/a 8.0 oz/a 30.0 oz/a 2.0 % v/v 0.25 % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B		0.0 c	0.0 c	0.0 d	0.0 b	0.0 -
8	SURTAIN ARMEZON AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 2.8 4 L 5.88	ZC SC L SL	11.0 oz/a 0.75 oz/a 32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B EPOST B		0.0 c	0.0 c	0.0 d	0.0 b	5.0 -
9	SURTAIN ARMEZON PRO AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 5.36 4 L 5.88	ZC EC L SL	11.0 oz/a 16.0 oz/a 32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	PRE POST2 D POST2 D POST2 D POST2 D POST2 D	A D D D D D	5.0 ab	75.8 b	94.5 bc	96.8 a	5.0 -
10	SURTAIN STATUS ZIDUA ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 56 4.17 5.88	ZC WG SC SL	11.0 oz/a 5.0 oz/a 2.0 oz/a 30.0 oz/a 2.0 % v/v 0.25 % v/v	PRE POST2 D POST2 D POST2 D POST2 D POST2 D	A D D D D D	6.3 a	99.0 a	99.0 a	99.0 a	2.5 -
11	SURTAIN ARMEZON AATREX AMSOL AGRIDEX	1.63 2.8 4 L	ZC SC L	11.0 oz/a 0.75 oz/a 32.0 oz/a 2.0 % v/v 1.0 % v/v	POST1 C POST1 C POST1 C POST1 C POST1 C	C C C C C	0.0 c	0.0 c	0.0 d	0.0 b	0.0 -
12	SURTAIN AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 4 L 5.88	ZC L SL	11.0 oz/a 32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	POST1 C POST1 C POST1 C POST1 C POST1 C	C C C C C	0.0 c	0.0 c	0.0 d	0.0 b	0.0 -
13	AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	4 L 5.88	L SL	32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	POST1 C POST1 C POST1 C POST1 C	C C C C	0.0 c	0.0 c	0.0 d	0.0 b	0.0 -

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=5,24

^Calculated from residual.

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Zeama Stunting % Apr-15-24	Amapa Control % Apr-15-24	Agrass Control % Apr-15-24	Rapra Control % Apr-15-24	Zeama Stunting % Apr-22-24
Trt	Treatment	Form	Form	Rate	Grow	Appl	1	2	3	4	5
No.	Name	Conc	Type	Unit	Stg	Code					
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C	0.0 c	0.0 c	0.0 d	0.0 b	0.0 -
	AATREX	4 L		32.0 oz/a	POST1	C					
	AMSOL			2.0 % v/v	POST1	C					
	AGRIDEX			1.0 % v/v	POST1	C					
LSD P=.10							3.26	14.81	3.83	2.74	6.32
Standard Deviation							2.74	12.43	3.21	2.30	3.48
CV							118.04	25.98	6.68	4.71	195.14
Grand Mean							2.32	47.84	48.07	48.80	1.79
Bartlett's X2^							27.203*	82.515*	41.901*	52.297*	.
P(Bartlett's X2)							0.012*	0.00*	0.00*	0.00*	.
Replicate F							1.982	1.000	1.610	0.760	0.294
Replicate Prob(F)							0.1326	0.4031	0.2027	0.5234	0.5995
Treatment F							4.207	64.755	965.301	1940.847	0.860
Treatment Prob(F)							0.0002	0.0001	0.0001	0.0001	0.6085

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

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Missing data estimates are included in columns: Average=5,24

^Calculated from residual.

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Zeama Necrosis % Apr-22-24	Amapa Control % Apr-22-24	Agrass Control % Apr-22-24	Rapra Control % Apr-22-24	Zeama Stunting % Apr-22-24
Trt	Treatment	Form	Form	Rate	Grow	Appl	6	7	8	9	10
No.	Name	Conc	Type	Rate	Unit	Stg	Code				
1	NTC							0.0 c	0.0 c	0.0 c	0.0 c
2	ACURON	3.44	ZC	48.0	oz/a	PRE	A	1.3 bc	99.0 a	83.8 b	92.0 a
3	RESICORE	3.29	SL	40.0	oz/a	PRE	A	0.0 c	98.0 b	81.3 b	78.8 b
4	TRIVOLT	3.65	SC	12.0	oz/a	PRE	A	2.5 b	99.0 a	95.8 a	94.5 a
5	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	0.0 c	99.0 a	95.5 a	99.0 a
6	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	1.3 bc	99.0 a	96.8 a	99.0 a
	AATREX	4 L	SL	32.0	oz/a	PRE	A				7.5 a
7	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	2.5 b	99.0 a	94.8 a	93.8 a
	CLARITY	4 L	SL	8.0	oz/a	EPOST	B				5.0 ab
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B				
	AMSOL			2.0	% v/v	EPOST	B				
	INDUCE			0.25	% v/v	EPOST	B				
8	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	8.8 a	99.0 a	95.8 a	98.0 a
	ARMEZON	2.8	SC	0.75	oz/a	EPOST	B				5.0 ab
	AATREX	4 L	SL	32.0	oz/a	EPOST	B				
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B				
	AMSOL			2.0	% v/v	EPOST	B				
	AGRIDEX			1.0	% v/v	EPOST	B				
9	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	0.0 c	99.0 a	85.8 b	99.0 a
	ARMEZON PRO	5.36	EC	16.0	oz/a	POST2	D				7.5 a
	AATREX	4 L	SL	32.0	oz/a	POST2	D				
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	POST2	D				
	AMSOL			2.0	% v/v	POST2	D				
	AGRIDEX			1.0	% v/v	POST2	D				
10	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	0.0 c	99.0 a	99.0 a	99.0 a
	STATUS	56	WG	5.0	oz/a	POST2	D				7.5 a
	ZIDUA	4.17	SC	2.0	oz/a	POST2	D				
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	POST2	D				
	AMSOL			2.0	% v/v	POST2	D				
	INDUCE			0.25	% v/v	POST2	D				
11	SURTAIN	1.63	ZC	11.0	oz/a	POST1	C	0.0 c	0.0 c	0.0 c	0.0 c
	ARMEZON	2.8	SC	0.75	oz/a	POST1	C				
	AATREX	4 L	SL	32.0	oz/a	POST1	C				
	AMSOL			2.0	% v/v	POST1	C				
	AGRIDEX			1.0	% v/v	POST1	C				
12	SURTAIN	1.63	ZC	11.0	oz/a	POST1	C	0.0 c	0.0 c	0.0 c	0.0 c
	AATREX	4 L	SL	32.0	oz/a	POST1	C				
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	POST1	C				
	AMSOL			2.0	% v/v	POST1	C				
	AGRIDEX			1.0	% v/v	POST1	C				
13	AATREX	4 L	SL	32.0	oz/a	POST1	C	0.0 c	0.0 c	0.0 c	0.0 c
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	POST1	C				
	AMSOL			2.0	% v/v	POST1	C				
	AGRIDEX			1.0	% v/v	POST1	C				

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=5,24

^Calculated from residual.

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Zeama Necrosis % Apr-22-24	Amapa Control % Apr-22-24	Agrass Control % Apr-22-24	Rapra Control % Apr-22-24	Zeama Stunting % Apr-22-24
Trt	Treatment	Form	Form	Rate	Grow	Appl	6	7	8	9	10
No.	Name	Conc	Type	Unit	Stg	Code					
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C	0.0 c	0.0 c	0.0 c	0.0 c	0.0 c
	AATREX	4 L		32.0 oz/a	POST1	C					
	AMSOL			2.0 % v/v	POST1	C					
	AGRIDEX			1.0 % v/v	POST1	C					
LSD P=.10							1.85	0.64	8.85	7.40	3.88
Standard Deviation							1.55	0.53	7.43	6.21	3.26
CV							133.89	0.84	12.56	10.2	98.61
Grand Mean							1.16	63.57	59.16	60.93	3.30
Bartlett's X2^							37.226*	82.515*	39.457*	66.976*	15.963
P(Bartlett's X2)							0.00*	0.00*	0.00*	0.00*	0.251
Replicate F							1.664	1.000	3.664	1.046	2.510
Replicate Prob(F)							0.1906	0.4031	0.0203	0.3830	0.0728
Treatment F							9.341	33851.385	153.609	232.935	3.408
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0015

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=5,24

^Calculated from residual.

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Zeama Chlorosis %	Zeama Stunting %	Zeama Bleaching %	Zeama Necrosis %	Amapa Control %
							Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24	Apr-29-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	11	12	13	14	15
1	NTC						0.0 d	0.0 f	0.0 d	0.0 d	0.0 c
2	ACURON	3.44	ZC	48.0 oz/a	PRE	A	3.8 bcd	2.5 ef	1.3 cd	0.0 d	99.0 a
3	RESICORE	3.29	SL	40.0 oz/a	PRE	A	2.5 cd	3.8 def	1.3 cd	0.0 d	95.8 b
4	TRIVOLT	3.65	SC	12.0 oz/a	PRE	A	6.3 abc	10.0 b	3.8 bc	0.0 d	94.5 b
5	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A	6.3 abc	10.0 b	1.3 cd	0.0 d	99.0 a
6	SURTAIN AATREX	1.63 4 L	ZC SL	11.0 oz/a 32.0 oz/a	PRE PRE	A A	6.3 abc	15.0 a	1.3 cd	0.0 d	99.0 a
7	SURTAIN CLARITY ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 4 L 5.88	ZC SL SL	11.0 oz/a 8.0 oz/a 30.0 oz/a 2.0 % v/v 0.25 % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B		8.8 a	5.0 cde	2.5 bcd	0.0 d	99.0 a
8	SURTAIN ARMEZON AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 2.8 4 L 5.88	ZC SC L SL	11.0 oz/a 0.75 oz/a 32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B EPOST B		7.5 ab	6.3 b-e	0.0 d	3.8 c	99.0 a
9	SURTAIN ARMEZON PRO AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 5.36 4 L 5.88	ZC EC L SL	11.0 oz/a 16.0 oz/a 32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	PRE POST2 D POST2 D POST2 D POST2 D POST2 D	A D D D D D	6.3 abc	10.0 b	0.0 d	1.3 d	99.0 a
10	SURTAIN STATUS ZIDUA ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 56 4.17 5.88	ZC WG SC SL	11.0 oz/a 5.0 oz/a 2.0 oz/a 30.0 oz/a 2.0 % v/v 0.25 % v/v	PRE POST2 D POST2 D POST2 D POST2 D POST2 D	A D D D D D	6.3 abc	10.0 b	1.3 cd	0.0 d	99.0 a
11	SURTAIN ARMEZON AATREX AMSOL AGRIDEX	1.63 2.8 4 L	ZC SC L	11.0 oz/a 0.75 oz/a 32.0 oz/a 2.0 % v/v 1.0 % v/v	POST1 C POST1 C POST1 C POST1 C POST1 C	C C C C C	0.0 d	8.8 bc	5.0 b	15.0 a	99.0 a
12	SURTAIN AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 4 L 5.88	ZC L SL	11.0 oz/a 32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	POST1 C POST1 C POST1 C POST1 C POST1 C	C C C C C	0.0 d	7.5 bcd	2.5 bcd	10.0 b	99.0 a
13	AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	4 L 5.88	L SL	32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	POST1 C POST1 C POST1 C POST1 C	C C C C	0.0 d	5.0 cde	1.3 cd	1.3 d	99.0 a

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=5,24

^Calculated from residual.

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code							Zeama	Zeama	Zeama	Zeama	Amapa
Crop Code							Chlorosis	Stunting	Bleaching	Necrosis	Control
Rating Data Type							%	%	%	%	%
Rating Unit							Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24	Apr-29-24
Rating Date											
Trt	Treatment	Form	Form	Rate	Grow	Appl	11	12	13	14	15
No.	Name	Conc	Type	Unit	Stg	Code					
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C	0.0 d	5.0 cde	10.0 a	1.3 d	99.0 a
	AATREX	4	L	32.0 oz/a	POST1	C					
	AMSOL			2.0 % v/v	POST1	C					
	AGRIDEX			1.0 % v/v	POST1	C					
LSD P=.10							4.08	4.21	2.85	1.59	2.42
Standard Deviation							3.43	3.53	2.39	1.34	2.03
CV							89.31	50.1	107.07	57.56	2.22
Grand Mean							3.84	7.05	2.23	2.32	91.38
Bartlett's X2^							19.532	21.626	29.086*	55.986*	50.588*
P(Bartlett's X2)							0.108	0.061	0.006*	0.00*	0.00*
Replicate F							2.063	13.858	0.495	1.000	2.040
Replicate Prob(F)							0.1209	0.0001	0.6879	0.4031	0.1241
Treatment F							3.719	4.820	4.912	46.231	674.006
Treatment Prob(F)							0.0007	0.0001	0.0001	0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=5,24

^Calculated from residual.

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-04-24		Study Dir.: JACOB SMITH/NICK SHAY								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code							Rapra	Agrass	Molve	
Crop Code							Control	Conttol	Control	Zeama
Rating Data Type							%	%	%	Stunting
Rating Unit							Apr-29-24	Apr-29-24	Apr-29-24	May-7-24
Rating Date										Zeama
										Necrosis
										%
										Control
										%
										May-7-24
Trt	Treatment	Form	Form	Rate	Grow	Appl	16	17	18	19
No.	Name	Conc	Type	Rate	Stg	Code				20
1	NTC						0.0 c	0.0 d	0.0 c	0.0 e
2	ACURON	3.44	ZC	48.0 oz/a	PRE	A	99.0 a	63.8 c	99.0 a	3.8 cde
3	RESICORE	3.29	SL	40.0 oz/a	PRE	A	66.3 b	78.8 b	87.3 b	2.5 de
4	TRIVOLT	3.65	SC	12.0 oz/a	PRE	A	96.8 a	95.5 a	99.0 a	10.0 bc
5	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A	96.8 a	88.3 ab	99.0 a	8.8 cd
6	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A	99.0 a	92.0 a	99.0 a	17.5 a
	AATREX	4 L		32.0 oz/a	PRE	A				0.0 c
7	SURTAIN	1.63	ZC	11.0 oz/a	EPOST	B	98.0 a	99.0 a	99.0 a	7.5 cd
	CLARITY	4 SL		8.0 oz/a	EPOST	B				0.0 c
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	EPOST	B				
	AMSOL			2.0 % v/v	EPOST	B				
	INDUCE			0.25 % v/v	EPOST	B				
8	SURTAIN	1.63	ZC	11.0 oz/a	EPOST	B	99.0 a	98.0 a	99.0 a	10.0 bc
	ARMEZON	2.8	SC	0.75 oz/a	EPOST	B				2.5 ab
	AATREX	4 L		32.0 oz/a	EPOST	B				
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	EPOST	B				
	AMSOL			2.0 % v/v	EPOST	B				
	AGRIDEX			1.0 % v/v	EPOST	B				
9	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A	99.0 a	65.0 c	98.0 a	20.0 a
	ARMEZON PRO	5.36	EC	16.0 oz/a	POST2	D				2.5 ab
	AATREX	4 L		32.0 oz/a	POST2	D				
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST2	D				
	AMSOL			2.0 % v/v	POST2	D				
	AGRIDEX			1.0 % v/v	POST2	D				
10	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A	98.0 a	88.5 ab	99.0 a	16.3 ab
	STATUS	56	WG	5.0 oz/a	POST2	D				1.3 bc
	ZIDUA	4.17	SC	2.0 oz/a	POST2	D				
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST2	D				
	AMSOL			2.0 % v/v	POST2	D				
	INDUCE			0.25 % v/v	POST2	D				
11	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C	99.0 a	99.0 a	99.0 a	5.0 cde
	ARMEZON	2.8	SC	0.75 oz/a	POST1	C				3.8 a
	AATREX	4 L		32.0 oz/a	POST1	C				
	AMSOL			2.0 % v/v	POST1	C				
	AGRIDEX			1.0 % v/v	POST1	C				
12	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C	99.0 a	99.0 a	99.0 a	6.3 cde
	AATREX	4 L		32.0 oz/a	POST1	C				3.8 a
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C				
	AMSOL			2.0 % v/v	POST1	C				
	AGRIDEX			1.0 % v/v	POST1	C				
13	AATREX	4 L		32.0 oz/a	POST1	C	99.0 a	98.0 a	99.0 a	5.0 cde
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C				0.0 c
	AMSOL			2.0 % v/v	POST1	C				
	AGRIDEX			1.0 % v/v	POST1	C				

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=5,24

^Calculated from residual.

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN												
Trial ID: CN-04-24			Study Dir.: JACOB SMITH/NICK SHAY									
Location: PONDER FARM			Investigator: Eric P. Prostko									
Weed Code							Rapra	Agrass	Molve			Amapa
Crop Code							Control	Conttol	Control	Zeama	Zeama	Control
Rating Data Type							%	%	%	Stunting	Necrosis	%
Rating Unit							Apr-29-24	Apr-29-24	Apr-29-24	May-7-24	May-7-24	May-7-24
Rating Date												
Trt	Treatment	Form	Form	Rate	Grow	Appl	16	17	18	19	20	21
No.	Name	Conc	Type	Rate	Unit	Stg	Code					
14	HALEX GT	4.39	SE	60.0	oz/a	POST1	C	99.0 a	98.0 a	99.0 a	10.0 bc	2.5 ab
	AATREX	4	L	32.0	oz/a	POST1	C					
	AMSOL			2.0	% v/v	POST1	C					
	AGRIDEX			1.0	% v/v	POST1	C					
LSD P=.10							14.22	13.07	4.92	6.85	2.17	7.10
Standard Deviation							11.94	10.97	4.13	5.75	1.83	5.96
CV							13.4	13.21	4.54	65.76	157.24	6.63
Grand Mean							89.13	83.05	91.02	8.75	1.16	89.91
Bartlett's X2^							78.919*	17.738	81.427*	27.372*	84.81*	45.74*
P(Bartlett's X2)							0.00*	0.168	0.00*	0.011*	0.00*	0.00*
Replicate F							1.064	4.148	0.907	0.090	0.134	2.074
Replicate Prob(F)							0.3756	0.0121	0.4465	0.9652	0.9392	0.1194
Treatment F							20.550	23.889	162.963	4.095	2.732	77.322
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0003	0.0077	0.0001

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=5,24

^Calculated from residual.

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN												
Trial ID: CN-04-24						Study Dir.: JACOB SMITH/NICK SHAY						
Location: PONDER FARM						Investigator: Eric P. Prostko						
Weed Code						Rapra	Agrass	Molve	Arahy	Zeama	Amapa	
Crop Code						Control	Control	Control	Control	Stunting	Control	
Rating Data Type						%	%	%	%	%	%	
Rating Unit						May-7-24	May-7-24	May-7-24	May-7-24	May-23-24	May-23-24	
Rating Date												
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	22	23	24	25	26	27
1	NTC						0.0 c	0.0 e	0.0 c	0.0 h	0.0 d	0.0 e
2	ACURON	3.44	ZC	48.0 oz/a	PRE	A	92.3 a	61.3 d	95.8 a	21.3 gh	0.0 d	93.5 bc
3	RESICORE	3.29	SL	40.0 oz/a	PRE	A	66.3 b	70.0 d	62.0 b	17.5 gh	0.0 d	89.8 cd
4	TRIVOLT	3.65	SC	12.0 oz/a	PRE	A	91.3 a	88.8 bc	98.0 a	51.3 ef	1.3 d	87.5 d
5	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A	96.0 a	84.8 c	99.0 a	37.5 fg	3.8 bcd	99.0 a
6	SURTAIN AATREX	1.63 4 L	ZC SL	11.0 oz/a 32.0 oz/a	PRE PRE	A A	94.5 a	85.8 c	99.0 a	22.5 g	7.5 bc	99.0 a
7	SURTAIN CLARITY ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 4 SL 5.88	ZC SL SL	11.0 oz/a 8.0 oz/a 30.0 oz/a 2.0 % v/v 0.25 % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B		96.8 a	97.0 ab	99.0 a	73.5 bcd	7.5 bc	99.0 a
8	SURTAIN ARMEZON AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 2.8 4 L 5.88	ZC SC L SL	11.0 oz/a 0.75 oz/a 32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B EPOST B		99.0 a	99.0 a	99.0 a	71.3 cde	1.3 d	99.0 a
9	SURTAIN ARMEZON PRO AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 5.36 4 L 5.88	ZC EC L SL	11.0 oz/a 16.0 oz/a 32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	PRE POST2 D POST2 D POST2 D POST2 D POST2 D	A D D D D D	99.0 a	99.0 a	99.0 a	93.5 ab	13.8 a	99.0 a
10	SURTAIN STATUS ZIDUA ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 56 4.17 5.88	ZC WG SC SL	11.0 oz/a 5.0 oz/a 2.0 oz/a 30.0 oz/a 2.0 % v/v 0.25 % v/v	PRE POST2 D POST2 D POST2 D POST2 D POST2 D	A D D D D D	98.0 a	99.0 a	99.0 a	91.0 abc	8.8 ab	99.0 a
11	SURTAIN ARMEZON AATREX AMSOL AGRIDEX	1.63 2.8 4 L	ZC SC L	11.0 oz/a 0.75 oz/a 32.0 oz/a 2.0 % v/v 1.0 % v/v	POST1 C POST1 C POST1 C POST1 C POST1 C	C C C C C	99.0 a	99.0 a	99.0 a	95.8 a	5.0 bcd	99.0 a
12	SURTAIN AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 4 L 5.88	ZC L SL	11.0 oz/a 32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	POST1 C POST1 C POST1 C POST1 C POST1 C	C C C C C	99.0 a	99.0 a	99.0 a	68.8 de	0.0 d	98.0 ab
13	AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	4 L 5.88	L SL	32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	POST1 C POST1 C POST1 C POST1 C	C C C C	98.0 a	99.0 a	99.0 a	86.0 a-d	2.5 cd	98.0 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.

Missing data estimates are included in columns: Average=5,24

^Calculated from residual.

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN											
Trial ID: CN-04-24						Study Dir.: JACOB SMITH/NICK SHAY					
Location: PONDER FARM						Investigator: Eric P. Prostko					
Weed Code						Rapra		Agrass	Molve	Arahy	Amapa
Crop Code						Control		Control	Control	Control	Zeama
Rating Data Type						%		%	%	%	Stunting
Rating Unit						May-7-24		May-7-24	May-7-24	May-7-24	May-23-24
Rating Date											May-23-24
Trt	Treatment	Form	Form	Rate	Grow	Appl	22	23	24	25	26
No.	Name	Conc	Type	Unit	Stg	Code					27
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C	99.0 a	99.0 a	99.0 a	78.5 a-d	5.0 bcd
	AATREX	4	L	32.0 oz/a	POST1	C					97.0 ab
	AMSOL			2.0 % v/v	POST1	C					
	AGRIDEX			1.0 % v/v	POST1	C					
LSD P=.10							14.50	10.01	15.44	21.54	5.68
Standard Deviation							12.17	8.40	12.95	18.08	4.76
CV							13.87	9.97	14.55	31.32	118.58
Grand Mean							87.71	84.32	88.98	57.73	4.02
Bartlett's X2^							66.974*	22.652*	78.724*	13.171	20.787
P(Bartlett's X2)							0.00*	0.046*	0.00*	0.435	0.077
Replicate F							1.240	3.466	0.838	3.062	3.429
Replicate Prob(F)							0.3083	0.0252	0.4815	0.0393	0.0262
Treatment F							19.184	41.552	17.942	12.793	3.057
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0034

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=5,24

^Calculated from residual.

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Rapra Control % May-23-24	Agrass Control % May-23-24	----- ZEAMA YIELD LBS/PLOT Aug-29-24	----- ZEAMA YIELD BU/A Aug-29-24
Trt	Treatment	Form	Form	Rate	Grow	Appl	28	29	30	31
No.	Name	Conc	Type	Rate	Unit	Stg	Code			
1	NTC							0.0 c	0.0 d	35.5 - 185.5 -
2	ACURON	3.44	ZC	48.0	oz/a	PRE	A	94.8 a	36.3 c	38.3 - 199.9 -
3	RESICORE	3.29	SL	40.0	oz/a	PRE	A	76.3 b	36.3 c	40.8 - 212.9 -
4	TRIVOLT	3.65	SC	12.0	oz/a	PRE	A	87.5 a	87.3 a	39.8 - 207.7 -
5	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	87.5 a	66.3 b	39.0 - 203.8 -
6	SURTAIN AATREX	1.63 4 L	ZC SL	11.0 32.0	oz/a	PRE PRE	A A	90.0 a	56.3 b	36.5 - 190.7 -
7	SURTAIN CLARITY ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 4 L 5.88	ZC SL SL	11.0 8.0 30.0	oz/a	EPOST EPOST EPOST EPOST EPOST	B B B B B	93.5 a	97.0 a	33.8 - 176.4 -
8	SURTAIN ARMEZON AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 2.8 4 L 5.88	ZC SC L SL	11.0 0.75 32.0 30.0	oz/a	EPOST EPOST EPOST EPOST EPOST EPOST	B B B B B B	92.5 a	92.3 a	35.5 - 185.5 -
9	SURTAIN ARMEZON PRO AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 5.36 4 L 5.88	ZC EC L SL	11.0 16.0 32.0 30.0	oz/a	PRE POST2 POST2 POST2 POST2 POST2	A D D D D D	93.5 a	98.0 a	32.5 - 169.8 -
10	SURTAIN STATUS ZIDUA ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 56 4.17 5.88	ZC WG SC SL	11.0 5.0 2.0 30.0	oz/a	PRE POST2 POST2 POST2 POST2 POST2	A D D D D D	91.3 a	96.0 a	36.5 - 190.7 -
11	SURTAIN ARMEZON AATREX AMSOL AGRIDEX	1.63 2.8 4 L	ZC SC L	11.0 0.75 32.0	oz/a	POST1 POST1 POST1 POST1 POST1	C C C C C	93.5 a	98.0 a	36.3 - 189.4 -
12	SURTAIN AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 4 L 5.88	ZC L SL	11.0 32.0 30.0	oz/a	POST1 POST1 POST1 POST1 POST1	C C C C C	94.8 a	96.0 a	36.5 - 190.7 -
13	AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	4 L 5.88	L SL	32.0 30.0	oz/a	POST1 POST1 POST1 POST1	C C C C	87.3 a	94.8 a	38.0 - 198.6 -

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Missing data estimates are included in columns: Average=5,24

^Calculated from residual.

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SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-04-24		Study Dir.: JACOB SMITH/NICK SHAY								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code							Rapra	Agrass	-----	-----
Crop Code							Control	Control	ZEAMA	ZEAMA
Rating Data Type							%	%	YIELD	YIELD
Rating Unit							May-23-24	May-23-24	LBS/PLOT	BU/A
Rating Date									Aug-29-24	Aug-29-24
Trt	Treatment	Form	Form	Rate	Grow	Appl	28	29	30	31
No.	Name	Conc	Type	Rate Unit	Stg	Code				
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C	93.5 a	96.8 a	37.8 -	197.3 -
	AATREX	4	L	32.0 oz/a	POST1	C				
	AMSOL			2.0 % v/v	POST1	C				
	AGRIDEX			1.0 % v/v	POST1	C				
LSD P=.10							9.33	17.26	6.97	36.43
Standard Deviation							7.83	14.49	5.85	30.58
CV							9.32	19.3	15.86	15.86
Grand Mean							83.98	75.07	36.89	192.79
Bartlett's X2^							32.566*	22.316	26.813*	26.813*
P(Bartlett's X2)							0.002*	0.051	0.013*	0.013*
Replicate F							0.992	3.440	3.028	3.028
Replicate Prob(F)							0.4068	0.0259	0.0408	0.0408
Treatment F							39.679	18.751	0.586	0.586
Treatment Prob(F)							0.0001	0.0001	0.8502	0.8502

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Missing data estimates are included in columns:Average=5,24
^Calculated from residual.

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN	
Trial ID: CN-04-24	Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit	
% = PERCENT	
ARM Action Codes	
TY1 = 5.2256044*[30]	

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SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Zeama Stunting %	Amapa Control %	Agrass Control %	Rapra Control %	Zeama Stunting %
							Apr-15-24	Apr-15-24	Apr-15-24	Apr-15-24	Apr-22-24
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot			
1	NTC						101	0.0	0.0	0.0	0.0
							210	0.0	0.0	0.0	0.0
							309	0.0	0.0	0.0	0.0
							410	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0
2	ACURON	3.44	ZC	48.0	oz/a	PRE	A	102	0.0	99.0	99.0
							212	0.0	99.0	99.0	99.0
							303	0.0	99.0	85.0	99.0
							411	5.0	99.0	85.0	90.0
							Mean =	1.3	99.0	92.0	96.8
3	RESICORE	3.29	SL	40.0	oz/a	PRE	A	103	0.0	99.0	99.0
							213	0.0	99.0	95.0	99.0
							312	5.0	99.0	99.0	99.0
							405	5.0	99.0	90.0	90.0
							Mean =	2.5	99.0	95.8	96.8
4	TRIVOLT	3.65	SC	12.0	oz/a	PRE	A	104	0.0	99.0	99.0
							209	10.0	99.0	99.0	95.0
							313	5.0	99.0	99.0	99.0
							403	5.0	99.0	99.0	99.0
							Mean =	5.0	99.0	99.0	98.0
5	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	105	10.0	99.0	99.0
							203	0.0	99.0	90.0	95.0
							304	5.0	99.0	99.0	99.0
							408	5.0	99.0	95.0	99.0
							Mean =	5.0	99.0	95.8	98.0
6	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	106	10.0	99.0	99.0
	AATREX	4	L	32.0	oz/a	PRE	A	202	0.0	99.0	95.0
							305	10.0	99.0	99.0	99.0
							406	10.0	99.0	95.0	99.0
							Mean =	7.5	99.0	97.0	98.0
7	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	107	0.0	0.0	0.0
	CLARITY	4	SL	8.0	oz/a	EPOST	B	211	0.0	0.0	0.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B	314	0.0	0.0	0.0
	AMSOL			2.0	% v/v	EPOST	B	413	0.0	0.0	0.0
	INDUCE			0.25	% v/v	EPOST	B				
							Mean =	0.0	0.0	0.0	0.0
8	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	108	0.0	0.0	0.0
	ARMEZON	2.8	SC	0.75	oz/a	EPOST	B	201	0.0	0.0	0.0
	AATREX	4	L	32.0	oz/a	EPOST	B	307	0.0	0.0	0.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B	409	0.0	0.0	0.0
	AMSOL			2.0	% v/v	EPOST	B				
	AGRIDEX			1.0	% v/v	EPOST	B				
							Mean =	0.0	0.0	0.0	0.0
9	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	109	0.0	99.0	99.0
	ARMEZON PRO	5.36	EC	16.0	oz/a	POST2	D	208	5.0	99.0	99.0
	AATREX	4	L	32.0	oz/a	POST2	D	302	5.0	99.0	85.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	POST2	D	414	10.0	6.0	95.0
	AMSOL			2.0	% v/v	POST2	D				
	AGRIDEX			1.0	% v/v	POST2	D				
							Mean =	5.0	75.8	94.5	96.8

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SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Zeama Stunting % Apr-15-24	Amapa Control % Apr-15-24	Agrass Control % Apr-15-24	Rapra Control % Apr-15-24	Zeama Stunting % Apr-22-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot	1	2	3	4	5
10	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A 110	10.0	99.0	99.0	99.0	5.0
	STATUS	56	WG	5.0 oz/a	POST2	D 204	0.0	99.0	99.0	99.0	0.0
	ZIDUA	4.17	SC	2.0 oz/a	POST2	D 301	5.0	99.0	99.0	99.0	
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST2	D 407	10.0	99.0	99.0	99.0	
	AMSOL			2.0 % v/v	POST2	D					
	INDUCE			0.25 % v/v	POST2	D					
	Mean =						6.3	99.0	99.0	99.0	2.5
11	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C 111	0.0	0.0	0.0	0.0	0.0
	ARMEZON	2.8	SC	0.75 oz/a	POST1	C 206	0.0	0.0	0.0	0.0	0.0
	AATREX	4	L	32.0 oz/a	POST1	C 311	0.0	0.0	0.0	0.0	
	AMSOL			2.0 % v/v	POST1	C 401	0.0	0.0	0.0	0.0	
	AGRIDEX			1.0 % v/v	POST1	C					
	Mean =						0.0	0.0	0.0	0.0	0.0
12	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C 112	0.0	0.0	0.0	0.0	0.0
	AATREX	4	L	32.0 oz/a	POST1	C 205	0.0	0.0	0.0	0.0	0.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C 310	0.0	0.0	0.0	0.0	
	AMSOL			2.0 % v/v	POST1	C 412	0.0	0.0	0.0	0.0	
	AGRIDEX			1.0 % v/v	POST1	C					
	Mean =						0.0	0.0	0.0	0.0	0.0
13	AATREX	4	L	32.0 oz/a	POST1	C 113	0.0	0.0	0.0	0.0	0.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C 214	0.0	0.0	0.0	0.0	
	AMSOL			2.0 % v/v	POST1	C 308	0.0	0.0	0.0	0.0	
	AGRIDEX			1.0 % v/v	POST1	C 402	0.0	0.0	0.0	0.0	
	Mean =						0.0	0.0	0.0	0.0	0.0
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C 114	0.0	0.0	0.0	0.0	0.0
	AATREX	4	L	32.0 oz/a	POST1	C 207	0.0	0.0	0.0	0.0	0.0
	AMSOL			2.0 % v/v	POST1	C 306	0.0	0.0	0.0	0.0	
	AGRIDEX			1.0 % v/v	POST1	C 404	0.0	0.0	0.0	0.0	
	Mean =						0.0	0.0	0.0	0.0	0.0

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SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Zeama Necrosis % Apr-22-24	Amapa Control % Apr-22-24	Agrass Control % Apr-22-24	Rapra Control % Apr-22-24	Zeama Stunting % Apr-22-24	
Trt	Treatment No. Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code Plot	6	7	8	9	10
1	NTC						101 210 309 410 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	
2	ACURON	3.44	ZC	48.0 oz/a	PRE	A	102 212 303 411 Mean =	0.0 0.0 0.0 5.0 1.3	99.0 99.0 99.0 99.0 99.0	90.0 85.0 85.0 75.0 83.8	99.0 95.0 99.0 75.0 92.0	0.0 5.0 0.0 5.0 2.5
3	RESICORE	3.29	SL	40.0 oz/a	PRE	A	103 213 312 405 Mean =	0.0 0.0 0.0 0.0 0.0	99.0 95.0 99.0 99.0 98.0	95.0 75.0 90.0 65.0 81.3	85.0 50.0 90.0 90.0 78.8	0.0 0.0 10.0 0.0 2.5
4	TRIVOLT	3.65	SC	12.0 oz/a	PRE	A	104 209 313 403 Mean =	0.0 5.0 0.0 5.0 2.5	99.0 99.0 99.0 99.0 99.0	99.0 90.0 95.0 99.0 95.8	99.0 90.0 90.0 99.0 94.5	0.0 10.0 5.0 5.0 5.0
5	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A	105 203 304 408 Mean =	0.0 0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 85.0 95.5	99.0 99.0 99.0 99.0 99.0	5.0 0.0 5.0 5.0 3.8
6	SURTAIN AATREX	1.63 4	ZC L	11.0 oz/a 32.0 oz/a	PRE PRE	A A	106 202 305 406 Mean =	5.0 0.0 0.0 0.0 1.3	99.0 99.0 99.0 99.0 99.0	99.0 99.0 99.0 90.0 96.8	99.0 99.0 99.0 99.0 99.0	10.0 0.0 10.0 10.0 7.5
7	SURTAIN CLARITY ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 4 5.88	ZC SL SL	11.0 oz/a 8.0 oz/a 30.0 oz/a 2.0 % v/v 0.25 % v/v	EPOST EPOST EPOST EPOST EPOST	B B B B B	107 211 314 413 Mean =	5.0 0.0 0.0 5.0 2.5	99.0 99.0 99.0 99.0 99.0	99.0 95.0 95.0 90.0 94.8	95.0 95.0 95.0 90.0 93.8	0.0 5.0 5.0 10.0 5.0
8	SURTAIN ARMEZON AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 2.8 4 5.88	ZC SC L SL	11.0 oz/a 0.75 oz/a 32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	EPOST EPOST EPOST EPOST EPOST EPOST	B B B B B B	108 201 307 409 Mean =	10.0 5.0 10.0 10.0 8.8	99.0 99.0 99.0 99.0 99.0	90.0 95.0 99.0 99.0 95.8	99.0 95.0 99.0 99.0 98.0	5.0 0.0 10.0 5.0 5.0
9	SURTAIN ARMEZON PRO AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 5.36 4 5.88	ZC EC L SL	11.0 oz/a 16.0 oz/a 32.0 oz/a 30.0 oz/a 2.0 % v/v 1.0 % v/v	PRE POST2 POST2 POST2 POST2 POST2	A D D D D D	109 208 302 414 Mean =	0.0 0.0 0.0 0.0 0.0	99.0 99.0 99.0 99.0 99.0	99.0 95.0 99.0 50.0 99.0	99.0 99.0 99.0 99.0 99.0	5.0 5.0 5.0 15.0 7.5

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SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-04-24		Study Dir.: JACOB SMITH/NICK SHAY								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						Zeama	Amapa	Agrass	Rapra	Zeama
Crop Code						Necrosis	Control	Control	Control	Stunting
Rating Data Type						%	%	%	%	%
Rating Unit						Apr-22-24	Apr-22-24	Apr-22-24	Apr-22-24	Apr-22-24
Rating Date										
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	6	7	8	9
10	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A 110	0.0	99.0	99.0	99.0
	STATUS	56	WG	5.0 oz/a	POST2	D 204	0.0	99.0	99.0	99.0
	ZIDUA	4.17	SC	2.0 oz/a	POST2	D 301	0.0	99.0	99.0	99.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST2	D 407	0.0	99.0	99.0	99.0
	AMSOL			2.0 % v/v	POST2	D				
	INDUCE			0.25 % v/v	POST2	D				
					Mean =		0.0	99.0	99.0	99.0
11	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C 111	0.0	0.0	0.0	0.0
	ARMEZON	2.8	SC	0.75 oz/a	POST1	C 206	0.0	0.0	0.0	0.0
	AATREX	4	L	32.0 oz/a	POST1	C 311	0.0	0.0	0.0	0.0
	AMSOL			2.0 % v/v	POST1	C 401	0.0	0.0	0.0	0.0
	AGRIDEX			1.0 % v/v	POST1	C				
					Mean =		0.0	0.0	0.0	0.0
12	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C 112	0.0	0.0	0.0	0.0
	AATREX	4	L	32.0 oz/a	POST1	C 205	0.0	0.0	0.0	0.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C 310	0.0	0.0	0.0	0.0
	AMSOL			2.0 % v/v	POST1	C 412	0.0	0.0	0.0	0.0
	AGRIDEX			1.0 % v/v	POST1	C				
					Mean =		0.0	0.0	0.0	0.0
13	AATREX	4	L	32.0 oz/a	POST1	C 113	0.0	0.0	0.0	0.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C 214	0.0	0.0	0.0	0.0
	AMSOL			2.0 % v/v	POST1	C 308	0.0	0.0	0.0	0.0
	AGRIDEX			1.0 % v/v	POST1	C 402	0.0	0.0	0.0	0.0
					Mean =		0.0	0.0	0.0	0.0
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C 114	0.0	0.0	0.0	0.0
	AATREX	4	L	32.0 oz/a	POST1	C 207	0.0	0.0	0.0	0.0
	AMSOL			2.0 % v/v	POST1	C 306	0.0	0.0	0.0	0.0
	AGRIDEX			1.0 % v/v	POST1	C 404	0.0	0.0	0.0	0.0
					Mean =		0.0	0.0	0.0	0.0

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SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Zeama Chlorosis %	Zeama Stunting %	Zeama Bleaching %	Zeama Necrosis %	Amapa Control %
							Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24	Apr-29-24
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot			
1	NTC						101	0.0	0.0	0.0	0.0
							210	0.0	0.0	0.0	0.0
							309	0.0	0.0	0.0	0.0
							410	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0
2	ACURON	3.44	ZC	48.0	oz/a	PRE	A	102	0.0	0.0	99.0
							212	10.0	0.0	0.0	99.0
							303	0.0	0.0	0.0	99.0
							411	5.0	10.0	5.0	99.0
							Mean =	3.8	2.5	1.3	99.0
3	RESICORE	3.29	SL	40.0	oz/a	PRE	A	103	0.0	0.0	99.0
							213	0.0	0.0	5.0	90.0
							312	10.0	10.0	0.0	95.0
							405	0.0	5.0	0.0	99.0
							Mean =	2.5	3.8	1.3	95.8
4	TRIVOLT	3.65	SC	12.0	oz/a	PRE	A	104	5.0	10.0	99.0
							209	5.0	10.0	0.0	85.0
							313	5.0	10.0	5.0	95.0
							403	10.0	10.0	5.0	99.0
							Mean =	6.3	10.0	3.8	94.5
5	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	105	10.0	10.0	99.0
							203	0.0	0.0	0.0	99.0
							304	5.0	15.0	0.0	99.0
							408	10.0	15.0	5.0	99.0
							Mean =	6.3	10.0	1.3	99.0
6	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	106	5.0	15.0	99.0
	AATREX	4	L	32.0	oz/a	PRE	A	202	0.0	5.0	99.0
							305	10.0	20.0	0.0	99.0
							406	10.0	20.0	0.0	99.0
							Mean =	6.3	15.0	1.3	99.0
7	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	107	5.0	5.0	99.0
	CLARITY	4	SL	8.0	oz/a	EPOST	B	211	10.0	0.0	99.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B	314	10.0	5.0	99.0
	AMSOL			2.0	% v/v	EPOST	B	413	10.0	10.0	99.0
	INDUCE			0.25	% v/v	EPOST	B			5.0	99.0
							Mean =	8.8	5.0	2.5	99.0
8	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	108	10.0	5.0	99.0
	ARMEZON	2.8	SC	0.75	oz/a	EPOST	B	201	0.0	0.0	99.0
	AATREX	4	L	32.0	oz/a	EPOST	B	307	10.0	10.0	99.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B	409	10.0	10.0	99.0
	AMSOL			2.0	% v/v	EPOST	B			0.0	99.0
	AGRIDEX			1.0	% v/v	EPOST	B			5.0	99.0
							Mean =	7.5	6.3	0.0	99.0
9	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	109	10.0	10.0	99.0
	ARMEZON PRO	5.36	EC	16.0	oz/a	POST2	D	208	5.0	10.0	99.0
	AATREX	4	L	32.0	oz/a	POST2	D	302	0.0	5.0	99.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	POST2	D	414	10.0	15.0	99.0
	AMSOL			2.0	% v/v	POST2	D			0.0	99.0
	AGRIDEX			1.0	% v/v	POST2	D			5.0	99.0
							Mean =	6.3	10.0	0.0	99.0

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN	
Trial ID: CN-04-24	Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM	Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date						Zeama Chlorosis %	Zeama Stunting %	Zeama Bleaching %	Zeama Necrosis %	Amapa Control %
						Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24	Apr-29-24
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate	Stg	Code	Plot	11	12	13
10	SURTAİN	1.63	ZC	11.0 oz/a	PRE	A	110	10.0	10.0	0.0
	STATUS	56	WG	5.0 oz/a	POST2	D	204	0.0	0.0	0.0
	ZIDUA	4.17	SC	2.0 oz/a	POST2	D	301	5.0	10.0	0.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST2	D	407	10.0	20.0	5.0
	AMSOL			2.0 % v/v	POST2	D				0.0
	INDUCE			0.25 % v/v	POST2	D				0.0
							Mean =	6.3	10.0	1.3
11	SURTAİN	1.63	ZC	11.0 oz/a	POST1	C	111	0.0	15.0	5.0
	ARMEZON	2.8	SC	0.75 oz/a	POST1	C	206	0.0	5.0	5.0
	AATREX	4	L	32.0 oz/a	POST1	C	311	0.0	5.0	5.0
	AMSOL			2.0 % v/v	POST1	C	401	0.0	10.0	5.0
	AGRIDEX			1.0 % v/v	POST1	C				15.0
							Mean =	0.0	8.8	5.0
12	SURTAİN	1.63	ZC	11.0 oz/a	POST1	C	112	0.0	10.0	5.0
	AATREX	4	L	32.0 oz/a	POST1	C	205	0.0	5.0	0.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C	310	0.0	5.0	0.0
	AMSOL			2.0 % v/v	POST1	C	412	0.0	10.0	5.0
	AGRIDEX			1.0 % v/v	POST1	C				10.0
							Mean =	0.0	7.5	2.5
13	AATREX	4	L	32.0 oz/a	POST1	C	113	0.0	5.0	0.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C	214	0.0	0.0	5.0
	AMSOL			2.0 % v/v	POST1	C	308	0.0	5.0	0.0
	AGRIDEX			1.0 % v/v	POST1	C	402	0.0	10.0	0.0
							Mean =	0.0	5.0	1.3
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C	114	0.0	5.0	15.0
	AATREX	4	L	32.0 oz/a	POST1	C	207	0.0	0.0	10.0
	AMSOL			2.0 % v/v	POST1	C	306	0.0	5.0	10.0
	AGRIDEX			1.0 % v/v	POST1	C	404	0.0	10.0	5.0
							Mean =	0.0	5.0	10.0

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Rapra Control % Apr-29-24	Agrass Conttol % Apr-29-24	Molve Control % Apr-29-24	Zeama Stunting % May-7-24	Zeama Necrosis % May-7-24
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot			
1	NTC										
							101	0.0	0.0	0.0	0.0
							210	0.0	0.0	0.0	0.0
							309	0.0	0.0	0.0	0.0
							410	0.0	0.0	0.0	0.0
							Mean =	0.0	0.0	0.0	0.0
2	ACURON	3.44	ZC	48.0	oz/a	PRE	A	102	99.0	85.0	0.0
							212	99.0	60.0	99.0	10.0
							303	99.0	60.0	99.0	0.0
							411	99.0	50.0	99.0	5.0
							Mean =	99.0	63.8	99.0	3.8
3	RESICORE	3.29	SL	40.0	oz/a	PRE	A	103	90.0	85.0	99.0
							213	0.0	95.0	90.0	0.0
							312	90.0	85.0	65.0	0.0
							405	85.0	50.0	95.0	10.0
							Mean =	66.3	78.8	87.3	2.5
4	TRIVOLT	3.65	SC	12.0	oz/a	PRE	A	104	99.0	99.0	99.0
							209	90.0	85.0	99.0	20.0
							313	99.0	99.0	99.0	0.0
							403	99.0	99.0	99.0	10.0
							Mean =	96.8	95.5	99.0	10.0
5	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	105	99.0	99.0	99.0
							203	99.0	90.0	99.0	0.0
							304	99.0	99.0	99.0	10.0
							408	90.0	65.0	99.0	10.0
							Mean =	96.8	88.3	99.0	8.8
6	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	106	99.0	99.0	99.0
	AATREX	4	L	32.0	oz/a	PRE	A	202	99.0	99.0	99.0
							305	99.0	95.0	99.0	20.0
							406	99.0	75.0	99.0	20.0
							Mean =	99.0	92.0	99.0	17.5
7	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	107	99.0	99.0	99.0
	CLARITY	4	SL	8.0	oz/a	EPOST	B	211	99.0	99.0	99.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B	314	95.0	99.0	99.0
	AMSOL			2.0	% v/v	EPOST	B	413	99.0	99.0	99.0
	INDUCE			0.25	% v/v	EPOST	B				
							Mean =	98.0	99.0	99.0	7.5
8	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	108	99.0	99.0	99.0
	ARMEZON	2.8	SC	0.75	oz/a	EPOST	B	201	99.0	95.0	99.0
	AATREX	4	L	32.0	oz/a	EPOST	B	307	99.0	99.0	99.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B	409	99.0	99.0	99.0
	AMSOL			2.0	% v/v	EPOST	B				
	AGRIDEX			1.0	% v/v	EPOST	B				
							Mean =	99.0	98.0	99.0	10.0
9	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	109	99.0	70.0	99.0
	ARMEZON PRO	5.36	EC	16.0	oz/a	POST2	D	208	99.0	85.0	99.0
	AATREX	4	L	32.0	oz/a	POST2	D	302	99.0	85.0	99.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	POST2	D	414	99.0	20.0	95.0
	AMSOL			2.0	% v/v	POST2	D				
	AGRIDEX			1.0	% v/v	POST2	D				
							Mean =	99.0	65.0	98.0	20.0

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-04-24		Study Dir.: JACOB SMITH/NICK SHAY								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code							Rapra	Agrass	Molve	
Crop Code							Control	Conttol	Control	Zeama
Rating Data Type							%	%	%	Stunting
Rating Unit										%
Rating Date							Apr-29-24	Apr-29-24	Apr-29-24	May-7-24
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	16	17	18	19
10	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A 110	95.0	85.0	99.0	20.0
	STATUS	56	WG	5.0 oz/a	POST2	D 204	99.0	99.0	99.0	5.0
	ZIDUA	4.17	SC	2.0 oz/a	POST2	D 301	99.0	85.0	99.0	20.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST2	D 407	99.0	85.0	99.0	20.0
	AMSOL			2.0 % v/v	POST2	D				
	INDUCE			0.25 % v/v	POST2	D				
	Mean =						98.0	88.5	99.0	16.3
11	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C 111	99.0	99.0	99.0	0.0
	ARMEZON	2.8	SC	0.75 oz/a	POST1	C 206	99.0	99.0	99.0	10.0
	AATREX	4	L	32.0 oz/a	POST1	C 311	99.0	99.0	99.0	0.0
	AMSOL			2.0 % v/v	POST1	C 401	99.0	99.0	99.0	10.0
	AGRIDEX			1.0 % v/v	POST1	C				
	Mean =						99.0	99.0	99.0	5.0
12	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C 112	99.0	99.0	99.0	10.0
	AATREX	4	L	32.0 oz/a	POST1	C 205	99.0	99.0	99.0	5.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C 310	99.0	99.0	99.0	5.0
	AMSOL			2.0 % v/v	POST1	C 412	99.0	99.0	99.0	5.0
	AGRIDEX			1.0 % v/v	POST1	C				
	Mean =						99.0	99.0	99.0	6.3
13	AATREX	4	L	32.0 oz/a	POST1	C 113	99.0	99.0	99.0	0.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C 214	99.0	95.0	99.0	15.0
	AMSOL			2.0 % v/v	POST1	C 308	99.0	99.0	99.0	0.0
	AGRIDEX			1.0 % v/v	POST1	C 402	99.0	99.0	99.0	5.0
	Mean =						99.0	98.0	99.0	5.0
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C 114	99.0	99.0	99.0	15.0
	AATREX	4	L	32.0 oz/a	POST1	C 207	99.0	99.0	99.0	10.0
	AMSOL			2.0 % v/v	POST1	C 306	99.0	95.0	99.0	15.0
	AGRIDEX			1.0 % v/v	POST1	C 404	99.0	99.0	99.0	0.0
	Mean =						99.0	98.0	99.0	10.0

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Amapa Control % May-7-24	Rapra Control % May-7-24	Agrass Control % May-7-24	Molve Control % May-7-24	Arahy Control % May-7-24		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	21	22	23	24	25
1	NTC						101		0.0	0.0	0.0		0.0
							210		0.0	0.0	0.0	0.0	0.0
							309		0.0	0.0	0.0	0.0	0.0
							410		0.0	0.0	0.0	0.0	0.0
							Mean =		0.0	0.0	0.0	0.0	0.0
2	ACURON	3.44	ZC	48.0	oz/a	PRE	A	102	99.0	99.0	85.0	99.0	0.0
							212		90.0	85.0	50.0	90.0	65.0
							303		95.0	95.0	50.0	99.0	0.0
							411		90.0	90.0	60.0	95.0	20.0
							Mean =		93.5	92.3	61.3	95.8	21.3
3	RESICORE	3.29	SL	40.0	oz/a	PRE	A	103	99.0	85.0	90.0	99.0	0.0
							213		85.0	0.0	65.0	99.0	50.0
							312		65.0	85.0	65.0	0.0	20.0
							405		99.0	95.0	60.0	50.0	0.0
							Mean =		87.0	66.3	70.0	62.0	17.5
4	TRIVOLT	3.65	SC	12.0	oz/a	PRE	A	104	99.0	90.0	95.0	95.0	50.0
							209		90.0	85.0	80.0	99.0	50.0
							313		65.0	95.0	95.0	99.0	85.0
							403		99.0	95.0	85.0	99.0	20.0
							Mean =		88.3	91.3	88.8	98.0	51.3
5	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	105	99.0	95.0	95.0	99.0	50.0
							203		99.0	95.0	85.0	99.0	50.0
							304		99.0	99.0	99.0	99.0	30.0
							408		99.0	95.0	60.0	99.0	20.0
							Mean =		99.0	96.0	84.8	99.0	37.5
6	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	106	99.0	99.0	99.0	99.0	50.0
	AATREX	4	L	32.0	oz/a	PRE	A	202	99.0	95.0	85.0	99.0	0.0
							305		99.0	99.0	99.0	99.0	20.0
							406		99.0	85.0	60.0	99.0	20.0
							Mean =		99.0	94.5	85.8	99.0	22.5
7	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	107	99.0	99.0	95.0	99.0	50.0
	CLARITY	4	SL	8.0	oz/a	EPOST	B	211	99.0	99.0	95.0	99.0	95.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B	314	99.0	90.0	99.0	99.0	99.0
	AMSOL			2.0	% v/v	EPOST	B	413	99.0	99.0	99.0	99.0	50.0
	INDUCE			0.25	% v/v	EPOST	B						
							Mean =		99.0	96.8	97.0	99.0	73.5
8	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	108	99.0	99.0	99.0	99.0	75.0
	ARMEZON	2.8	SC	0.75	oz/a	EPOST	B	201	99.0	99.0	99.0	99.0	75.0
	AATREX	4	L	32.0	oz/a	EPOST	B	307	99.0	99.0	99.0	99.0	85.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B	409	99.0	99.0	99.0	99.0	50.0
	AMSOL			2.0	% v/v	EPOST	B						
	AGRIDEX			1.0	% v/v	EPOST	B						
							Mean =		99.0	99.0	99.0	99.0	71.3
9	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	109	99.0	99.0	99.0	99.0	95.0
	ARMEZON PRO	5.36	EC	16.0	oz/a	POST2	D	208	99.0	99.0	99.0	99.0	90.0
	AATREX	4	L	32.0	oz/a	POST2	D	302	99.0	99.0	99.0	99.0	90.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	POST2	D	414	99.0	99.0	99.0	99.0	99.0
	AMSOL			2.0	% v/v	POST2	D						
	AGRIDEX			1.0	% v/v	POST2	D						
							Mean =		99.0	99.0	99.0	99.0	93.5

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-04-24		Study Dir.: JACOB SMITH/NICK SHAY								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code					Amapa		Rapra	Agrass	Molve	Arahy
Crop Code					Control		Control	Control	Control	Control
Rating Data Type					%		%	%	%	%
Rating Unit					May-7-24		May-7-24	May-7-24	May-7-24	May-7-24
Rating Date										
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	21	22	23	24
10	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A 110	99.0	99.0	99.0	90.0
	STATUS	56	WG	5.0 oz/a	POST2	D 204	99.0	99.0	99.0	90.0
	ZIDUA	4.17	SC	2.0 oz/a	POST2	D 301	99.0	95.0	99.0	99.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST2	D 407	99.0	99.0	99.0	85.0
	AMSOL			2.0 % v/v	POST2	D				
	INDUCE			0.25 % v/v	POST2	D				
						Mean =	99.0	98.0	99.0	91.0
11	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C 111	99.0	99.0	99.0	95.0
	ARMEZON	2.8	SC	0.75 oz/a	POST1	C 206	99.0	99.0	99.0	90.0
	AATREX	4	L	32.0 oz/a	POST1	C 311	99.0	99.0	99.0	99.0
	AMSOL			2.0 % v/v	POST1	C 401	99.0	99.0	99.0	99.0
	AGRIDEX			1.0 % v/v	POST1	C				
						Mean =	99.0	99.0	99.0	95.8
12	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C 112	99.0	99.0	99.0	65.0
	AATREX	4	L	32.0 oz/a	POST1	C 205	99.0	99.0	99.0	90.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C 310	99.0	99.0	99.0	90.0
	AMSOL			2.0 % v/v	POST1	C 412	99.0	99.0	99.0	30.0
	AGRIDEX			1.0 % v/v	POST1	C				
						Mean =	99.0	99.0	99.0	68.8
13	AATREX	4	L	32.0 oz/a	POST1	C 113	99.0	95.0	99.0	75.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C 214	99.0	99.0	99.0	99.0
	AMSOL			2.0 % v/v	POST1	C 308	99.0	99.0	99.0	85.0
	AGRIDEX			1.0 % v/v	POST1	C 402	99.0	99.0	99.0	85.0
						Mean =	99.0	98.0	99.0	86.0
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C 114	99.0	99.0	99.0	99.0
	AATREX	4	L	32.0 oz/a	POST1	C 207	99.0	99.0	99.0	90.0
	AMSOL			2.0 % v/v	POST1	C 306	99.0	99.0	99.0	50.0
	AGRIDEX			1.0 % v/v	POST1	C 404	99.0	99.0	99.0	75.0
						Mean =	99.0	99.0	99.0	78.5

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN													
Trial ID: CN-04-24		Study Dir.: JACOB SMITH/NICK SHAY											
Location: PONDER FARM		Investigator: Eric P. Prostko											
Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Zeama Stunting %	Amapa Control %	Rapra Control %	Agrass Control %	----- ZEAMA YIELD LBS/PLOT		
							May-23-24	May-23-24	May-23-24	May-23-24	Aug-29-24		
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	26	27	28	29	30
1	NTC							101	0.0	0.0	0.0	0.0	26.0
								210	0.0	0.0	0.0	0.0	38.0
								309	0.0	0.0	0.0	0.0	41.0
								410	0.0	0.0	0.0	0.0	37.0
								Mean =	0.0	0.0	0.0	0.0	35.5
2	ACURON	3.44	ZC	48.0	oz/a	PRE	A	102	0.0	99.0	99.0	55.0	35.0
								212	0.0	90.0	95.0	20.0	37.0
								303	0.0	90.0	95.0	50.0	43.0
								411	0.0	95.0	90.0	20.0	38.0
								Mean =	0.0	93.5	94.8	36.3	38.3
3	RESICORE	3.29	SL	40.0	oz/a	PRE	A	103	0.0	95.0	85.0	85.0	40.0
								213	0.0	90.0	50.0	20.0	38.0
								312	0.0	75.0	80.0	30.0	39.0
								405	0.0	99.0	90.0	10.0	46.0
								Mean =	0.0	89.8	76.3	36.3	40.8
4	TRIVOLT	3.65	SC	12.0	oz/a	PRE	A	104	5.0	95.0	95.0	95.0	37.0
								209	0.0	85.0	80.0	65.0	40.0
								313	0.0	75.0	90.0	99.0	39.0
								403	0.0	95.0	85.0	90.0	43.0
								Mean =	1.3	87.5	87.5	87.3	39.8
5	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	105	10.0	99.0	65.0	80.0	31.0
								203	0.0	99.0	95.0	65.0	41.0
								304	0.0	99.0	95.0	90.0	40.0
								408	5.0	99.0	95.0	30.0	44.0
								Mean =	3.8	99.0	87.5	66.3	39.0
6	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	106	15.0	99.0	85.0	60.0	36.0
	AATREX	4	L	32.0	oz/a	PRE	A	202	0.0	99.0	95.0	20.0	35.0
								305	5.0	99.0	95.0	95.0	36.0
								406	10.0	99.0	85.0	50.0	39.0
								Mean =	7.5	99.0	90.0	56.3	36.5
7	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	107	5.0	99.0	90.0	95.0	37.0
	CLARITY	4	SL	8.0	oz/a	EPOST	B	211	0.0	99.0	90.0	95.0	38.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B	314	15.0	99.0	95.0	99.0	25.0
	AMSOL			2.0	% v/v	EPOST	B	413	10.0	99.0	99.0	99.0	35.0
	INDUCE			0.25	% v/v	EPOST	B						
								Mean =	7.5	99.0	93.5	97.0	33.8
8	SURTAIN	1.63	ZC	11.0	oz/a	EPOST	B	108	5.0	99.0	95.0	85.0	36.0
	ARMEZON	2.8	SC	0.75	oz/a	EPOST	B	201	0.0	99.0	95.0	90.0	24.0
	AATREX	4	L	32.0	oz/a	EPOST	B	307	0.0	99.0	90.0	99.0	39.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	EPOST	B	409	0.0	99.0	90.0	95.0	43.0
	AMSOL			2.0	% v/v	EPOST	B						
	AGRIDEX			1.0	% v/v	EPOST	B						
								Mean =	1.3	99.0	92.5	92.3	35.5
9	SURTAIN	1.63	ZC	11.0	oz/a	PRE	A	109	15.0	99.0	95.0	95.0	31.0
	ARMEZON PRO	5.36	EC	16.0	oz/a	POST2	D	208	5.0	99.0	85.0	99.0	37.0
	AATREX	4	L	32.0	oz/a	POST2	D	302	10.0	99.0	95.0	99.0	39.0
	ROUNDUP POWERMAX3	5.88	SL	30.0	oz/a	POST2	D	414	25.0	99.0	99.0	99.0	23.0
	AMSOL			2.0	% v/v	POST2	D						
	AGRIDEX			1.0	% v/v	POST2	D						
								Mean =	13.8	99.0	93.5	98.0	32.5

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN										
Trial ID: CN-04-24		Study Dir.: JACOB SMITH/NICK SHAY								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code							Zeama	Amapa	Rapra	Agrass
Crop Code							Stunting	Control	Control	Control
Rating Data Type							%	%	%	%
Rating Unit							May-23-24	May-23-24	May-23-24	May-23-24
Rating Date										-----
										ZEAMA
										YIELD
										LBS/PLOT
										Aug-29-24
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	26	27	28	29
10	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A 110	15.0	99.0	90.0	95.0
	STATUS	56	WG	5.0 oz/a	POST2	D 204	0.0	99.0	90.0	95.0
	ZIDUA	4.17	SC	2.0 oz/a	POST2	D 301	10.0	99.0	95.0	99.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST2	D 407	10.0	99.0	90.0	95.0
	AMSOL			2.0 % v/v	POST2	D				
	INDUCE			0.25 % v/v	POST2	D				
						Mean =	8.8	99.0	91.3	96.0
11	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C 111	5.0	99.0	90.0	99.0
	ARMEZON	2.8	SC	0.75 oz/a	POST1	C 206	5.0	99.0	90.0	99.0
	AATREX	4	L	32.0 oz/a	POST1	C 311	0.0	99.0	95.0	99.0
	AMSOL			2.0 % v/v	POST1	C 401	10.0	99.0	99.0	95.0
	AGRIDEX			1.0 % v/v	POST1	C				
						Mean =	5.0	99.0	93.5	98.0
12	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C 112	0.0	99.0	95.0	95.0
	AATREX	4	L	32.0 oz/a	POST1	C 205	0.0	99.0	90.0	99.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C 310	0.0	95.0	99.0	95.0
	AMSOL			2.0 % v/v	POST1	C 412	0.0	99.0	95.0	95.0
	AGRIDEX			1.0 % v/v	POST1	C				
						Mean =	0.0	98.0	94.8	96.0
13	AATREX	4	L	32.0 oz/a	POST1	C 113	0.0	99.0	75.0	95.0
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C 214	10.0	99.0	99.0	99.0
	AMSOL			2.0 % v/v	POST1	C 308	0.0	99.0	85.0	90.0
	AGRIDEX			1.0 % v/v	POST1	C 402	0.0	95.0	90.0	95.0
						Mean =	2.5	98.0	87.3	94.8
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C 114	20.0	99.0	99.0	99.0
	AATREX	4	L	32.0 oz/a	POST1	C 207	0.0	95.0	90.0	99.0
	AMSOL			2.0 % v/v	POST1	C 306	0.0	99.0	90.0	99.0
	AGRIDEX			1.0 % v/v	POST1	C 404	0.0	95.0	95.0	90.0
						Mean =	5.0	97.0	93.5	96.8

University of Georgia

SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN

Trial ID: CN-04-24 Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code Crop Code Rating Data Type Rating Unit Rating Date							----- ZEAMA YIELD BU/A Aug-29-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code Plot
1	NTC						101 210 309 410 Mean =
							135.9 198.6 214.2 193.3 185.5
2	ACURON	3.44	ZC	48.0	oz/a	PRE A	102 212 303 411 Mean =
							182.9 193.3 224.7 198.6 199.9
3	RESICORE	3.29	SL	40.0	oz/a	PRE A	103 213 312 405 Mean =
							209.0 198.6 203.8 240.4 212.9
4	TRIVOLT	3.65	SC	12.0	oz/a	PRE A	104 209 313 403 Mean =
							193.3 209.0 203.8 224.7 207.7
5	SURTAIN	1.63	ZC	11.0	oz/a	PRE A	105 203 304 408 Mean =
							162.0 214.2 209.0 229.9 203.8
6	SURTAIN AATREX	1.63 4	ZC L	11.0 32.0	oz/a oz/a	PRE PRE A	106 202 305 406 Mean =
							188.1 182.9 188.1 203.8 190.7
7	SURTAIN CLARITY ROUNDUP POWERMAX3 AMSOL INDUCE	1.63 4 5.88	ZC SL SL	11.0 8.0 30.0 2.0 0.25	oz/a oz/a oz/a % v/v % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B	107 211 314 413 Mean =
							193.3 198.6 130.6 182.9 176.4
8	SURTAIN ARMEZON AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 2.8 4 5.88	ZC SC L SL	11.0 0.75 32.0 30.0 2.0 1.0	oz/a oz/a oz/a oz/a % v/v % v/v	EPOST B EPOST B EPOST B EPOST B EPOST B EPOST B	108 201 307 409 Mean =
							188.1 125.4 203.8 224.7 185.5
9	SURTAIN ARMEZON PRO AATREX ROUNDUP POWERMAX3 AMSOL AGRIDEX	1.63 5.36 4 5.88	ZC EC L SL	11.0 16.0 32.0 30.0 2.0 1.0	oz/a oz/a oz/a oz/a % v/v % v/v	PRE A POST2 D POST2 D POST2 D POST2 D POST2 D	109 208 302 414 Mean =
							162.0 193.3 203.8 120.2 169.8

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SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN						
Trial ID: CN-04-24		Study Dir.: JACOB SMITH/NICK SHAY				
Location: PONDER FARM		Investigator: Eric P. Prostko				

Weed Code							-----
Crop Code							ZEAMA
Rating Data Type							YIELD
Rating Unit							BU/A
Rating Date							Aug-29-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	Plot
							31
10	SURTAIN	1.63	ZC	11.0 oz/a	PRE	A	110
	STATUS	56	WG	5.0 oz/a	POST2	D	204
	ZIDUA	4.17	SC	2.0 oz/a	POST2	D	301
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST2	D	407
	AMSOL			2.0 % v/v	POST2	D	
	INDUCE			0.25 % v/v	POST2	D	
					Mean =		190.7
11	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C	111
	ARMEZON	2.8	SC	0.75 oz/a	POST1	C	206
	AATREX	4	L	32.0 oz/a	POST1	C	311
	AMSOL			2.0 % v/v	POST1	C	401
	AGRIDEX			1.0 % v/v	POST1	C	
					Mean =		189.4
12	SURTAIN	1.63	ZC	11.0 oz/a	POST1	C	112
	AATREX	4	L	32.0 oz/a	POST1	C	205
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C	310
	AMSOL			2.0 % v/v	POST1	C	412
	AGRIDEX			1.0 % v/v	POST1	C	
					Mean =		190.7
13	AATREX	4	L	32.0 oz/a	POST1	C	113
	ROUNDUP POWERMAX3	5.88	SL	30.0 oz/a	POST1	C	214
	AMSOL			2.0 % v/v	POST1	C	308
	AGRIDEX			1.0 % v/v	POST1	C	402
					Mean =		198.6
14	HALEX GT	4.39	SE	60.0 oz/a	POST1	C	114
	AATREX	4	L	32.0 oz/a	POST1	C	207
	AMSOL			2.0 % v/v	POST1	C	306
	AGRIDEX			1.0 % v/v	POST1	C	404
					Mean =		197.3

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SURTAIN (BAS-82100H) FOR WEED CONTROL IN FIELD CORN	
Trial ID: CN-04-24	Study Dir.: JACOB SMITH/NICK SHAY
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit	
% = PERCENT	
ARM Action Codes	
TY1 = 5.2256044*[30]	