

University of Georgia

AMVAC CORN HERBICIDE PORTFOLIO	
Trial ID: CN-10-21	Study Dir.: MASON NEWARK
Location: PONDER FARM	Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet

Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3	Rep 4
1	NTC								-	101	212	302	407
2	IMPACT CORE	7.15	EC	24.0 oz/a		EPOST	B	18.75 mL/mx	1345.5 mL	102	203	315	413
	AATREX	4	L	48.0 oz/a		EPOST	B	37.5 mL/mx					
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		EPOST	B	19.53 mL/mx					
	NIS			0.25 % v/v		EPOST	B	3.75 mL/mx					
	AMSOL	3.4	SL	96.0 oz/a		EPOST	B	75.0 mL/mx					
3	LIBERTY	2.34	SL	32.0 oz/a		MPOST	C	25.0 mL/mx	1385.2 mL	103	213	303	406
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C	89.84 mL/mx					
4	SINATE	2.57	SL	24.0 oz/a		MPOST	C	18.75 mL/mx	1376.4 mL	104	202	301	414
	MSO			1.0 % v/v		MPOST	C	15.0 mL/mx					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C	89.84 mL/mx					
5	SINATE	2.57	SL	24.0 oz/a		MPOST	C	18.75 mL/mx	1363.9 mL	105	210	312	404
	AATREX	4	L	16.0 oz/a		MPOST	C	12.5 mL/mx					
	MSO			1.0 % v/v		MPOST	C	15.0 mL/mx					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C	89.84 mL/mx					
6	SINATE	2.57	SL	24.0 oz/a		MPOST	C	18.75 mL/mx	1357.7 mL	106	204	307	403
	DUAL II MAGNUM	6.64	EC	24.0 oz/a		MPOST	C	18.75 mL/mx					
	MSO			1.0 % v/v		MPOST	C	15.0 mL/mx					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C	89.84 mL/mx					
7	SINATE	2.57	SL	24.0 oz/a		MPOST	C	18.75 mL/mx	1345.2 mL	107	206	314	411
	AATREX	4	L	16.0 oz/a		MPOST	C	12.5 mL/mx					
	DUAL II MAGNUM	7.64	EC	24.0 oz/a		MPOST	C	18.75 mL/mx					
	MSO			1.0 % v/v		MPOST	C	15.0 mL/mx					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C	89.84 mL/mx					
8	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	39.84 mL/mx	1460.2 mL	108	214	310	405
	SINATE	2.57	SL	24.0 oz/a		POST	D	18.75 mL/mx					
	MSO			1.0 % v/v		POST	D	15.0 mL/mx					
	AMSOL	3.4	SL	115.0 oz/a		POST	D	89.84 mL/mx					
9	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	39.84 mL/mx	1460.2 mL	109	207	309	408
	SINATE	2.57	SL	24.0 oz/a		POST	D	18.75 mL/mx					
	AATREX	4	L	32.0 oz/a		POST	D	25.0 mL/mx					
	MSO			1.0 % v/v		POST	D	15.0 mL/mx					
	AMSOL	3.4	SL	115.0 oz/a		POST	D	89.84 mL/mx					
10	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	39.84 mL/mx	1460.2 mL	110	209	311	402
	SINATE	2.57	SL	28.0 oz/a		POST	D	21.87 mL/mx					
	MSO			1.0 % v/v		POST	D	15.0 mL/mx					
	AMSOL	3.4	SL	115.0 oz/a		POST	D	89.84 mL/mx					
11	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	39.84 mL/mx	1460.2 mL	111	205	308	412
	SINATE	2.57	SL	28.0 oz/a		POST	D	21.87 mL/mx					
	AATREX	4	L	32.0 oz/a		POST	D	25.0 mL/mx					
	MSO			1.0 % v/v		POST	D	15.0 mL/mx					
	AMSOL	3.4	SL	115.0 oz/a		POST	D	89.84 mL/mx					
12	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	39.84 mL/mx	1460.2 mL	112	211	313	409
	IMPACT CORE	7.15	EC	24.0 oz/a		POST	D	18.75 mL/mx					
	AATREX	4	L	32.0 oz/a		POST	D	25.0 mL/mx					
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		POST	D	19.53 mL/mx					
	NIS			0.25 % v/v		POST	D	3.75 mL/mx					
	AMSOL	3.4	SL	96.0 oz/a		POST	D	75.0 mL/mx					
13	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	39.84 mL/mx	1460.2 mL	113	215	305	415
	IMPACT	2.8	L	1.0 oz/a		POST	D	0.7812 mL/mx					
	AATREX	4	L	16.0 oz/a		POST	D	12.5 mL/mx					
	MSO			1.0 % v/v		POST	D	15.0 mL/mx					
	AMSOL	3.4	SL	96.0 oz/a		POST	D	75.0 mL/mx					

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		Plots: 6 by 25 feet											
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Diluent	Rep 1	Rep 2	Rep 3	Rep 4
14	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	39.84 mL/mx	1460.2 mL 1363.4 mL	114	208	304	410
	HALEX GT	4.39 SC		58.0 oz/a		POST	D	45.31 mL/mx					
	AATREX	4 L		16.0 oz/a		POST	D	12.5 mL/mx					
	NIS			0.25 % v/v		POST	D	3.75 mL/mx					
	AMSOL	3.4 SL		96.0 oz/a		POST	D	75.0 mL/mx					
15	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	39.84 mL/mx	1460.2 mL 1408.4 mL	115	201	306	401
	IMPACT	2.8 L		2.01 oz/a		LPOST	E	1.57 mL/mx					
	MSO			1.0 % v/v		LPOST	E	15.0 mL/mx					
	AMSOL	3.4 SL		96.0 oz/a		LPOST	E	75.0 mL/mx					

Sort Order: Treatment

Trial Comments
<p><u>TIMINGS</u> A = PRE B = EPOST = V1-V2 C = MPOST = V4 D = POST = V5 E = LPOST = > V7</p> <p>NIS = INDUCE (HELENA) AMSOL (WINFIELD SOLUTIONS) = 3.4 LBS AMS/GAL BICEP II MAGNUM = ATRAZINE (3.1 LBS/GAL) + S-METOLACHLOR (2.4 LBS/GAL) HALEX GT = GLYPHOSATE (2.09 LBS/GAL) + MESOTRIONE (0.209 LBS/GAL) + S-METOLACHLOR (2.09 LBS/GAL) IMPACT CORE = TOPRAMEZONE (0.071 LBS/GAL) + ACETOCHLOR (7.08 LBS/GAL) SINATE = GLUFOSINATE (2.47 LBS/GAL) + TOPRAMEZONE (0.1 LBS/GAL) MSO = MES 100 (DREXEL)</p> <p style="color: red;">04/07/21: did not rate corn injury since crop was recovering from frost that occurred April 2-4</p> <p>HARVEST MOISTURE: 17.32% YIELDS ADJUSTED TO 15.5%</p> <p><u>SUMMARY:</u></p> <p>1) PRE APPLICATIONS OF BICEP II MAGNUM CAUSED NO CROP INJURY AND PROVIDED EXCELLENT (90+%) EARLY SEASON CONTROL OF PALMER AMARANTH, WILD RADISH, AND ANNUAL GRASSES.</p> <p>2) EPOST APPLICATIONS OF IMPACT CORE + ATRAZINE + ROUNDUP CAUSED 13% CROP INJURY ON APRIL 13 (8 DAT).</p> <p>3) MPOST APPLICATIONS OF SINATE + ATRAZINE + DUAL MAGNUM CAUSED 10-15% STUNTING/CHLOROSIS ON APRIL 20 (7 DAT). CROP RECOVERED IN LATER RATINGS.</p> <p>4) BY APRIL 29 (37 DAP), CROP INJURY FROM ANY TREATMENT WAS LESS THAN 7%.</p> <p>5) LPOST APPLICATIONS OF IMPACT CAUSED SLIGHT CORN STUNTING AND CHLOROSIS (~3%).</p> <p>5) GENERALLY, ALL TREATMENTS PROVIDED EXCELLENT (>90%) CONTROL OF PALMER AMARANTH EXCEPT MPOST APPLICATIONS OF LIBERTY AND SINATE.</p> <p>6) WILD RADISH CONTROL WAS >90% WITH ALL TREATMENTS EXCEPT MPOST APPLICATION OF LIBERTY.</p> <p>7) GENERALLY, ALL TREATMENTS PROVIDED EXCELLENT (>89%) CONTROL OF ANNUAL GRASSES EXCEPT MPOST APPLICATIONS OF LIBERTY AND SINATE.</p> <p>8) ALL HERBICIDE TREATED PLOTS HAD SIGNIFICANTLY HIGHER YIELDS THAN THE NTC.</p> <p>9) PLOTS TREATED WITH MPOST APPLICATIONS OF LIBERTY (TRT # 3) OR BICEP II MAGNUM (PRE) FB ROUNDUP + IMPACT CORE + ATRAZINE (POST) (TRT# 12) HAD LOWER YIELDS IN COMPARISON TO SOME OTHER HERBICIDE TREATMENTS.</p>

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 Location: PONDER FARM Investigator: Eric P. Prostko

GENERAL TRIAL INFORMATION

Study Director: MASON NEWARK **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.	RAPRA	WI	LD RADISH
3.	AGRASS	TX	PAN/CRAB/GOOSE/CROW/SANDBUR

Crop 1: ZEAMA FIELD CORN **Variety:** PIONEER 1870YHR
Planting Date: Mar-23-21 **Planting Method:** MONOSEM
Rate: 36300 SEED/A **Depth:** 2 IN **Perennial Age:** _____
Row Spacing: 36 IN **Spacing Within Row:** _____ **Seed Bed:** _____
Soil Temperature: _____ **Soil Moisture:** OPTIMUM **Emergence Date:** _____

SITE AND DESIGN

Plot Width, Unit: 6 FT **Plot Length, Unit:** 25 FT **Reps:** 4
Site Type: _____
Tillage Type: CONVENTIONAL **Study Design:** RACOBL

Trial Initiation Comments: _____

	Previous Crops	Previous Pesticides	Year
1.	PEANUT		2020

MAINTENANCE

Field Prep./Maintenance: 800 LBS/A 5-15-30-PREPLANT; LUMIGEN SEED TRT
 127-0-0-16(S) SIDRESS ON APRIL 19 AND APRIL 29
 AXILO BMZ (MICRO-NUTRIENTS) @ 2 LBS/A ON APRIL 20

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

SOIL DESCRIPTION

% Sand: 94 % OM: 0.61 Texture: SAND
 % Silt: 4 pH: 6.0 Soil Name: TIFTON
 % Clay: 2 CEC: 2.5 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Mar-24-21		0.4	IN	SPRINKLER - LATERAL MOVE		
2.	Mar-28-21		0.1	IN	RAINFALL		
3.	Mar-31-21		0.6	IN	SPRINKLER - LATERAL MOVE		
4.	Mar-31-21		0.8	IN	RAINFALL		
5.	Apr-7-21		0.5	IN	SPRINKLER - LATERAL MOVE		
6.	Apr-9-21		0.27	IN	RAINFALL		
7.	Apr-10-21		0.05	IN	RAINFALL		
8.	Apr-11-21		0.08	IN	RAINFALL		
9.	Apr-17-21		0.1	IN	RAINFALL		
10.	Apr-18-21		0.01	IN	RAINFALL		
11.	Apr-20-21		0.35	IN	SPRINKLER - LATERAL MOVE		
12.	Apr-24-21		6.0	IN	RAINFALL		
13.	May-3-21		0.1	IN	RAINFALL		
14.	May-4-21		1.15	IN	RAINFALL		
15.	May-11-21		0.5	IN	SPRINKLER - LATERAL MOVE		
16.	May-11-21		0.15	IN	RAINFALL		
17.	May-12-21		0.6	IN	RAINFALL		

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A	B	C	D	E
Application Date:	Mar-23-21	Apr-5-21	Apr-13-21	Apr-23-21	Apr-30-21
Time of Day:	3:45 PM	7:40 AM	7:00 AM	7:30 AM	7:00 AM
Application Method:	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST
Application Timing:	PRE	EPOST	MPOST	POST	LPOST
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE	FOLIAGE	FOLIAGE
Air Temp., Unit:	74.3 F	47 F	56 F	45 F	69 F
% Relative Humidity:	46.3	85	84	89	97
Wind Velocity, Unit:	3.5 MPH	3.5 MPH	2 MPH	1 MPH	3 MPH
Dew Presence (Y/N):	N	Y	Y	Y	Y
Water Hardness:	--	----	--	--	--
Soil Temp., Unit:	73.7 F	54 F	60 F	56 F	70 F
Soil Moisture:	OPTIMUM	OPTIMUM	OPTIMUM	OPTIMUM	OPTIMUM
% Cloud Cover:	85	0	5	15	100

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CROP STAGE AT EACH APPLICATION

	A	B	C	D	E
Crop 1 Code, Stage:	ZEAMA,	ZEAMA,	ZEAMA,	ZEAMA,	ZEAMA,
Stage Scale:		V1-V2	V4	V5	V7
Height, Unit:	,	2, IN	5, IN	10, IN	14, IN

WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

	A	B	C	D	E
Appl. Equipment:	BACKPACK	SAME	SAME	SAME	SAME
Operating Pressure:	38				
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	----- Zeama Plant, - Stunting % Mar-31-21	Rapra Control % Apr-7-21	Agrass Control % Apr-7-21	Amapa Control % Apr-7-21	----- Zeama Plant, - Injury % Apr-13-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5
1	NTC							0.0 a	0.0 d	0.0 c	0.0 b	0.0 b
2	IMPACT CORE	7.15	EC	24.0 oz/a		EPOST	B	0.0 a	0.0 d	0.0 c	0.0 b	12.5 a
	AATREX	4	L	48.0 oz/a		EPOST	B					
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		EPOST	B					
	NIS			0.25 % v/v		EPOST	B					
	AMSOL	3.4	SL	96.0 oz/a		EPOST	B					
3	LIBERTY	2.34	SL	32.0 oz/a		MPOST	C	0.0 a	0.0 d	0.0 c	0.0 b	0.0 b
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
4	SINATE	2.57	SL	24.0 oz/a		MPOST	C	0.0 a	0.0 d	0.0 c	0.0 b	0.0 b
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
5	SINATE	2.57	SL	24.0 oz/a		MPOST	C	0.0 a	0.0 d	0.0 c	0.0 b	0.0 b
	AATREX	4	L	16.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
6	SINATE	2.57	SL	24.0 oz/a		MPOST	C	0.0 a	0.0 d	0.0 c	0.0 b	0.0 b
	DUAL II MAGNUM	6.64	EC	24.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
7	SINATE	2.57	SL	24.0 oz/a		MPOST	C	0.0 a	0.0 d	0.0 c	0.0 b	0.0 b
	AATREX	4	L	16.0 oz/a		MPOST	C					
	DUAL II MAGNUM	7.64	EC	24.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
8	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	0.0 a	98.0 a	99.0 a	99.0 a	0.0 b
	SINATE	2.57	SL	24.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
9	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	0.0 a	95.8 ab	99.0 a	99.0 a	0.0 b
	SINATE	2.57	SL	24.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
10	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	0.0 a	94.5 abc	96.8 ab	99.0 a	0.0 b
	SINATE	2.57	SL	28.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
11	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	0.0 a	97.0 a	99.0 a	99.0 a	0.0 b
	SINATE	2.57	SL	28.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
12	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	0.0 a	93.3 bc	95.5 b	99.0 a	0.0 b
	IMPACT CORE	7.15	EC	24.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		POST	D					
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4	SL	96.0 oz/a		POST	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.
 Missing data estimates are included in columns: Average=23,24
 Could not calculate LSD (% mean diff) for columns 1,4,8,19 because error mean square = 0.
 ^Calculated from residual.

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Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- Zeama Plant, - Stunting % Mar-31-21	Rapra Control % Apr-7-21	Agrass Control % Apr-7-21	Amapa Control % Apr-7-21	----- Zeama Plant, - Injury % Apr-13-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	1	2	3	4	5
13	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	0.0 a	96.0 ab	99.0 a	99.0 a	0.0 b
	IMPACT	2.8 L		1.0 oz/a		POST	D					
	AATREX	4 L		16.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4 SL		96.0 oz/a		POST	D					
14	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	0.0 a	91.3 c	99.0 a	99.0 a	0.0 b
	HALEX GT	4.39 SC		58.0 oz/a		POST	D					
	AATREX	4 L		16.0 oz/a		POST	D					
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4 SL		96.0 oz/a		POST	D					
15	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	0.0 a	97.0 a	98.0 ab	99.0 a	0.0 b
	IMPACT	2.8 L		2.01 oz/a		LPOST	E					
	MSO			1.0 % v/v		LPOST	E					
	AMSOL	3.4 SL		96.0 oz/a		LPOST	E					
LSD P=.10								.	3.66	2.67	.	1.54
Standard Deviation								0.00	3.08	2.25	0.00	1.29
CV								0.0	6.05	4.3	0.0	154.92
Grand Mean								0.00	50.85	52.35	52.80	0.83
Bartlett's X2^								.	34.863	98.317	.	92.017
P(Bartlett's X2)								.	0.002*	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.
 Missing data estimates are included in columns: Average=23,24
 Could not calculate LSD (% mean diff) for columns 1,4,8,19 because error mean square = 0.
 ^Calculated from residual.

University of Georgia

AMVAC CORN HERBICIDE PORTFOLIO				
Trial ID: CN-10-21		Study Dir.: MASON NEWARK		
Location: PONDER FARM		Investigator: Eric P. Prostko		

Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	----- Zeama Stunting % Apr-20-21	----- Zeama Leaf, - Burn % Apr-20-21	Amapa ----- Control % Apr-20-21	Rapra ----- Control % Apr-20-21	Agrass ----- Control % Apr-20-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	6	7	8	9	10
1	NTC							0.0 b	0.0 c	0.0 b	0.0 c	0.0 c
2	IMPACT CORE	7.15	EC	24.0 oz/a		EPOST	B	7.5 a	0.0 c	99.0 a	99.0 a	99.0 a
	AATREX	4	L	48.0 oz/a		EPOST	B					
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		EPOST	B					
	NIS			0.25 % v/v		EPOST	B					
	AMSOL	3.4	SL	96.0 oz/a		EPOST	B					
3	LIBERTY	2.34	SL	32.0 oz/a		MPOST	C	0.0 b	0.0 c	99.0 a	78.3 b	93.0 b
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
4	SINATE	2.57	SL	24.0 oz/a		MPOST	C	0.0 b	0.0 c	99.0 a	78.5 b	99.0 a
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
5	SINATE	2.57	SL	24.0 oz/a		MPOST	C	2.5 b	0.0 c	99.0 a	99.0 a	96.8 ab
	AATREX	4	L	16.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
6	SINATE	2.57	SL	24.0 oz/a		MPOST	C	0.0 b	5.0 b	99.0 a	80.0 b	99.0 a
	DUAL II MAGNUM	6.64	EC	24.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
7	SINATE	2.57	SL	24.0 oz/a		MPOST	C	10.0 a	15.0 a	99.0 a	99.0 a	99.0 a
	AATREX	4	L	16.0 oz/a		MPOST	C					
	DUAL II MAGNUM	7.64	EC	24.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
8	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	2.5 b	0.0 c	99.0 a	99.0 a	99.0 a
	SINATE	2.57	SL	24.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
9	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	0.0 b	0.0 c	99.0 a	95.5 a	99.0 a
	SINATE	2.57	SL	24.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
10	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	0.0 b	0.0 c	99.0 a	96.8 a	99.0 a
	SINATE	2.57	SL	28.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
11	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	0.0 b	0.0 c	99.0 a	98.0 a	95.5 ab
	SINATE	2.57	SL	28.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
12	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	0.0 b	0.0 c	99.0 a	92.0 a	93.0 b
	IMPACT CORE	7.15	EC	24.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		POST	D					
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4	SL	96.0 oz/a		POST	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.
 Missing data estimates are included in columns: Average=23,24
 Could not calculate LSD (% mean diff) for columns 1,4,8,19 because error mean square = 0.
 ^Calculated from residual.

University of Georgia

AMVAC CORN HERBICIDE PORTFOLIO												
Trial ID: CN-10-21		Study Dir.: MASON NEWARK										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code	-----	Zeama	-----	Amapa	-----	Rapra	-----	Agrass	-----			
Crop Code		Zeama	-----	Control	-----	Control	-----	Control	-----			
Part Rated		Leaf, -	-----	%	-----	%	-----	%	-----			
Rating Data Type		Burn	-----	Apr-20-21	-----	Apr-20-21	-----	Apr-20-21	-----			
Rating Unit		%	-----		-----		-----		-----			
Rating Date		Apr-20-21	-----		-----		-----		-----			
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	6	7	8	9	10
13	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	2.5 b	0.0 c	99.0 a	94.5 a	98.0 ab
	IMPACT	2.8 L		1.0 oz/a		POST	D					
	AATREX	4 L		16.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4 SL		96.0 oz/a		POST	D					
14	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	0.0 b	0.0 c	99.0 a	92.0 a	99.0 a
	HALEX GT	4.39 SC		58.0 oz/a		POST	D					
	AATREX	4 L		16.0 oz/a		POST	D					
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4 SL		96.0 oz/a		POST	D					
15	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	0.0 b	0.0 c	99.0 a	94.5 a	99.0 a
	IMPACT	2.8 L		2.01 oz/a		LPOST	E					
	MSO			1.0 % v/v		LPOST	E					
	AMSOL	3.4 SL		96.0 oz/a		LPOST	E					
LSD P=.10								3.14	1.77	.	11.85	5.83
Standard Deviation								2.64	1.49	0.00	9.97	4.90
CV								158.57	111.8	0.0	11.54	5.37
Grand Mean								1.67	1.33	92.40	86.40	91.15
Bartlett's X2^								97.679	92.017	.	41.045	61.962
P(Bartlett's X2)								0.00*	0.00*	.	0.00*	0.00*

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AMVAC CORN HERBICIDE PORTFOLIO				
Trial ID: CN-10-21		Study Dir.: MASON NEWARK		
Location: PONDER FARM		Investigator: Eric P. Prostko		

							----- Zeama -----	----- Zeama -----	----- Zeama -----	Amapa -----	Rapra -----	
							Stunting %	Chloosis %	Necrosis %	Control %	Control %	
							Apr-29-21	Apr-29-21	Apr-29-21	Apr-29-21	Apr-29-21	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	11	12	13	14	15
1	NTC							0.0 a	0.0 b	0.0 a	0.0 c	0.0 c
2	IMPACT CORE	7.15	EC	24.0 oz/a		EPOST	B	6.3 a	0.0 b	0.0 a	99.0 a	99.0 a
	AATREX	4	L	48.0 oz/a		EPOST	B					
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		EPOST	B					
	NIS			0.25 % v/v		EPOST	B					
	AMSOL	3.4	SL	96.0 oz/a		EPOST	B					
3	LIBERTY	2.34	SL	32.0 oz/a		MPOST	C	2.5 a	0.0 b	0.0 a	98.0 b	77.3 b
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
4	SINATE	2.57	SL	24.0 oz/a		MPOST	C	1.3 a	0.0 b	0.0 a	99.0 a	93.5 a
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
5	SINATE	2.57	SL	24.0 oz/a		MPOST	C	2.5 a	0.0 b	0.0 a	99.0 a	99.0 a
	AATREX	4	L	16.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
6	SINATE	2.57	SL	24.0 oz/a		MPOST	C	2.5 a	0.0 b	0.0 a	99.0 a	96.8 a
	DUAL II MAGNUM	6.64	EC	24.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
7	SINATE	2.57	SL	24.0 oz/a		MPOST	C	6.3 a	5.0 a	2.5 a	99.0 a	99.0 a
	AATREX	4	L	16.0 oz/a		MPOST	C					
	DUAL II MAGNUM	7.64	EC	24.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
8	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	3.8 a	0.0 b	0.0 a	99.0 a	99.0 a
	SINATE	2.57	SL	24.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
9	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	2.5 a	0.0 b	1.3 a	99.0 a	99.0 a
	SINATE	2.57	SL	24.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
10	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	2.5 a	0.0 b	0.0 a	99.0 a	98.0 a
	SINATE	2.57	SL	28.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
11	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	0.0 a	0.0 b	1.3 a	99.0 a	98.0 a
	SINATE	2.57	SL	28.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
12	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	0.0 a	0.0 b	1.3 a	99.0 a	99.0 a
	IMPACT CORE	7.15	EC	24.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		POST	D					
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4	SL	96.0 oz/a		POST	D					

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AMVAC CORN HERBICIDE PORTFOLIO												
Trial ID: CN-10-21 Study Dir.: MASON NEWARK												
Location: PONDER FARM Investigator: Eric P. Prostko												
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date		----- Zeama	----- Zeama	----- Zeama	Amapa -----	Rapra -----	
							Stunting % Apr-29-21	Chloosis % Apr-29-21	Necrosis % Apr-29-21	Control % Apr-29-21	Control % Apr-29-21	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	11	12	13	14	15
13	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	6.3 a	0.0 b	0.0 a	99.0 a	98.0 a
	IMPACT	2.8 L		1.0 oz/a		POST	D					
	AATREX	4 L		16.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4 SL		96.0 oz/a		POST	D					
14	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	5.0 a	0.0 b	0.0 a	99.0 a	99.0 a
	HALEX GT	4.39 SC		58.0 oz/a		POST	D					
	AATREX	4 L		16.0 oz/a		POST	D					
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4 SL		96.0 oz/a		POST	D					
15	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	2.5 a	0.0 b	0.0 a	98.0 b	92.3 a
	IMPACT	2.8 L		2.01 oz/a		LPOST	E					
	MSO			1.0 % v/v		LPOST	E					
	AMSOL	3.4 SL		96.0 oz/a		LPOST	E					
LSD P=.10							4.88	1.25	1.64	0.84	7.73	
Standard Deviation							4.10	1.05	1.38	0.70	6.50	
CV							140.55	316.23	331.23	0.76	7.24	
Grand Mean							2.92	0.33	0.42	92.27	89.78	
Bartlett's X2^							20.515	92.017	108.731	55.224	65.123	
P(Bartlett's X2)							0.115	0.00*	0.00*	0.00*	0.00*	

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AMVAC CORN HERBICIDE PORTFOLIO				
Trial ID: CN-10-21		Study Dir.: MASON NEWARK		
Location: PONDER FARM		Investigator: Eric P. Prostko		

Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Agrass ----- Control % Apr-29-21	----- Zeama Plant, - Stunting % May-6-21	----- Zeama Leaf, - Chlorosis % May-6-21	----- Zeama Leaf, - Necrosis % May-6-21	Amapa ---- Control % May-6-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	16	17	18	19	20
1	NTC							0.0 d	0.0 a	0.0 a	0.0 a	0.0 c
2	IMPACT CORE	7.15	EC	24.0 oz/a		EPOST	B	99.0 a	5.0 a	2.5 a	0.0 a	99.0 a
	AATREX	4	L	48.0 oz/a		EPOST	B					
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		EPOST	B					
	NIS			0.25 % v/v		EPOST	B					
	AMSOL	3.4	SL	96.0 oz/a		EPOST	B					
3	LIBERTY	2.34	SL	32.0 oz/a		MPOST	C	80.8 bc	2.5 a	0.0 a	0.0 a	68.8 b
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
4	SINATE	2.57	SL	24.0 oz/a		MPOST	C	78.3 c	1.3 a	0.0 a	0.0 a	77.0 b
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
5	SINATE	2.57	SL	24.0 oz/a		MPOST	C	89.5 abc	2.5 a	2.5 a	0.0 a	99.0 a
	AATREX	4	L	16.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
6	SINATE	2.57	SL	24.0 oz/a		MPOST	C	99.0 a	1.3 a	0.0 a	0.0 a	99.0 a
	DUAL II MAGNUM	6.64	EC	24.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
7	SINATE	2.57	SL	24.0 oz/a		MPOST	C	99.0 a	3.8 a	1.3 a	0.0 a	99.0 a
	AATREX	4	L	16.0 oz/a		MPOST	C					
	DUAL II MAGNUM	7.64	EC	24.0 oz/a		MPOST	C					
	MSO			1.0 % v/v		MPOST	C					
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C					
8	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	95.5 a	3.8 a	0.0 a	0.0 a	96.8 a
	SINATE	2.57	SL	24.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
9	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	90.5 ab	1.3 a	0.0 a	0.0 a	98.0 a
	SINATE	2.57	SL	24.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
10	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	99.0 a	0.0 a	0.0 a	0.0 a	98.0 a
	SINATE	2.57	SL	28.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
11	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	90.5 ab	1.3 a	0.0 a	0.0 a	99.0 a
	SINATE	2.57	SL	28.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
12	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	99.0 a	3.8 a	1.3 a	0.0 a	99.0 a
	IMPACT CORE	7.15	EC	24.0 oz/a		POST	D					
	AATREX	4	L	32.0 oz/a		POST	D					
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		POST	D					
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4	SL	96.0 oz/a		POST	D					

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=23,24
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 ^Calculated from residual.

University of Georgia

AMVAC CORN HERBICIDE PORTFOLIO												
Trial ID: CN-10-21		Study Dir.: MASON NEWARK										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code	Crop Code	Part Rated	Rating Data Type	Rating Unit	Rating Date	Agrass ----- Control % Apr-29-21	----- Zeama Plant, - Stunting % May-6-21	----- Zeama Leaf, - Chlorosis % May-6-21	----- Zeama Leaf, - Necrosis % May-6-21	Amapa ---- Control % May-6-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	16	17	18	19	20
13	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	95.5 a	2.5 a	0.0 a	0.0 a	99.0 a
	IMPACT	2.8 L		1.0 oz/a		POST	D					
	AATREX	4 L		16.0 oz/a		POST	D					
	MSO			1.0 % v/v		POST	D					
	AMSOL	3.4 SL		96.0 oz/a		POST	D					
14	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	99.0 a	2.5 a	0.0 a	0.0 a	99.0 a
	HALEX GT	4.39 SC		58.0 oz/a		POST	D					
	AATREX	4 L		16.0 oz/a		POST	D					
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4 SL		96.0 oz/a		POST	D					
15	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	99.0 a	2.5 a	2.5 a	0.0 a	99.0 a
	IMPACT	2.8 L		2.01 oz/a		LPOST	E					
	MSO			1.0 % v/v		LPOST	E					
	AMSOL	3.4 SL		96.0 oz/a		LPOST	E					
LSD P=.10								11.47	2.73	2.19	.	9.05
Standard Deviation								9.64	2.30	1.84	0.00	7.61
CV								11.01	102.1	276.3	0.0	8.59
Grand Mean								87.57	2.25	0.67	0.00	88.63
Bartlett's X2^								19.767	6.601	41.409	.	60.601
P(Bartlett's X2)								0.138	0.949	0.00*	.	0.00*

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AMVAC CORN HERBICIDE PORTFOLIO			
Trial ID: CN-10-21		Study Dir.: MASON NEWARK	
Location: PONDER FARM		Investigator: Eric P. Prostko	

							Rapra ----- Control % May-6-21	Agrass ----- Control % May-6-21	----- ZEAMA PLOT, - YIELD LBS/PLOT Sep-7-21	----- ZEAMA PLOT, - YIELD BU/A Sep-7-21	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	21	22	23	24
1	NTC							0.0 d	0.0 d	39.7 e	201.3 e
2	IMPACT CORE	7.15	EC	24.0 oz/a		EPOST	B	98.0 a	98.0 ab	50.8 ab	257.5 ab
	AATREX	4	L	48.0 oz/a		EPOST	B				
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		EPOST	B				
	NIS			0.25 % v/v		EPOST	B				
	AMSOL	3.4	SL	96.0 oz/a		EPOST	B				
3	LIBERTY	2.34	SL	32.0 oz/a		MPOST	C	77.3 c	60.0 c	46.3 cd	234.7 cd
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C				
4	SINATE	2.57	SL	24.0 oz/a		MPOST	C	91.3 b	70.0 c	47.5 bcd	241.0 bcd
	MSO			1.0 % v/v		MPOST	C				
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C				
5	SINATE	2.57	SL	24.0 oz/a		MPOST	C	98.0 a	87.3 b	52.8 a	267.7 a
	AATREX	4	L	16.0 oz/a		MPOST	C				
	MSO			1.0 % v/v		MPOST	C				
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C				
6	SINATE	2.57	SL	24.0 oz/a		MPOST	C	92.5 ab	99.0 a	48.8 a-d	247.4 a-d
	DUAL II MAGNUM	6.64	EC	24.0 oz/a		MPOST	C				
	MSO			1.0 % v/v		MPOST	C				
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C				
7	SINATE	2.57	SL	24.0 oz/a		MPOST	C	94.5 ab	98.0 ab	50.3 abc	255.0 abc
	AATREX	4	L	16.0 oz/a		MPOST	C				
	DUAL II MAGNUM	7.64	EC	24.0 oz/a		MPOST	C				
	MSO			1.0 % v/v		MPOST	C				
	AMSOL	3.4	SL	115.0 oz/a		MPOST	C				
8	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	95.8 ab	90.8 ab	50.3 abc	255.0 abc
	SINATE	2.57	SL	24.0 oz/a		POST	D				
	MSO			1.0 % v/v		POST	D				
	AMSOL	3.4	SL	115.0 oz/a		POST	D				
9	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	96.0 ab	93.0 ab	49.5 a-d	251.2 a-d
	SINATE	2.57	SL	24.0 oz/a		POST	D				
	AATREX	4	L	32.0 oz/a		POST	D				
	MSO			1.0 % v/v		POST	D				
	AMSOL	3.4	SL	115.0 oz/a		POST	D				
10	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	97.0 ab	90.5 ab	49.3 a-d	249.9 a-d
	SINATE	2.57	SL	28.0 oz/a		POST	D				
	MSO			1.0 % v/v		POST	D				
	AMSOL	3.4	SL	115.0 oz/a		POST	D				
11	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	95.8 ab	99.0 a	47.5 bcd	241.0 bcd
	SINATE	2.57	SL	28.0 oz/a		POST	D				
	AATREX	4	L	32.0 oz/a		POST	D				
	MSO			1.0 % v/v		POST	D				
	AMSOL	3.4	SL	115.0 oz/a		POST	D				
12	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	94.8 ab	98.0 ab	46.0 d	233.4 d
	IMPACT CORE	7.15	EC	24.0 oz/a		POST	D				
	AATREX	4	L	32.0 oz/a		POST	D				
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		POST	D				
	NIS			0.25 % v/v		POST	D				
	AMSOL	3.4	SL	96.0 oz/a		POST	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.
 Missing data estimates are included in columns: Average=23,24
 Could not calculate LSD (% mean diff) for columns 1,4,8,19 because error mean square = 0.
 ^Calculated from residual.

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AMVAC CORN HERBICIDE PORTFOLIO											
Trial ID: CN-10-21		Study Dir.: MASON NEWARK									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code					Rapra	Agrass	-----	-----			
Crop Code					-----	-----	ZEAMA	ZEAMA			
Part Rated					Control	Control	PLOT, -	PLOT, -			
Rating Data Type					%	%	YIELD	YIELD			
Rating Unit					May-6-21	May-6-21	LBS/PLOT	BU/A			
Rating Date					May-6-21	May-6-21	Sep-7-21	Sep-7-21			
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	21	22	23	24
13	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	92.5 ab	90.5 ab	49.8 a-d	252.4 a-d
	IMPACT	2.8 L		1.0 oz/a		POST	D				
	AATREX	4 L		16.0 oz/a		POST	D				
	MSO			1.0 % v/v		POST	D				
	AMSOL	3.4 SL		96.0 oz/a		POST	D				
14	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	93.5 ab	99.0 a	47.0 bcd	238.5 bcd
	HALEX GT	4.39 SC		58.0 oz/a		POST	D				
	AATREX	4 L		16.0 oz/a		POST	D				
	NIS			0.25 % v/v		POST	D				
	AMSOL	3.4 SL		96.0 oz/a		POST	D				
15	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	98.0 a	99.0 a	48.5 bcd	246.1 bcd
	IMPACT	2.8 L		2.01 oz/a		LPOST	E				
	MSO			1.0 % v/v		LPOST	E				
	AMSOL	3.4 SL		96.0 oz/a		LPOST	E				
LSD P=.10								6.74	11.60	4.01	20.32
Standard Deviation								5.67	9.75	3.37	17.08
CV								6.47	11.5	6.98	6.98
Grand Mean								87.65	84.80	48.24	244.79
Bartlett's X2^								46.645	17.957	18.309	18.309
P(Bartlett's X2)								0.00*	0.209	0.193	0.193

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=23,24
 Could not calculate LSD (% mean diff) for columns 1,4,8,19 because error mean square = 0.
 ^Calculated from residual.

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunting % Mar-31-21 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	14	0.000000000000	0.000000000000	0.000	1.0000
Error	42	0.000000000000	0.000000000000		

Randomized Complete Block (RCB) AOV For Rapra Control % Apr-7-21 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	136345.650000			
Replicate	3	57.250000	19.083333	2.014	0.1266
Treatment	14	135890.400000	9706.457143	1024.300	0.0001
Error	42	398.000000	9.476190		

Randomized Complete Block (RCB) AOV For Agrass Control % Apr-7-21 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	144147.650000			
Replicate	3	7.383333	2.461111	0.487	0.6933
Treatment	14	143927.900000	10280.564286	2033.199	0.0001
Error	42	212.366667	5.056349		

Randomized Complete Block (RCB) AOV For Amapa Control % Apr-7-21 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	146361.600000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	14	146361.600000	10454.400000	0.000	1.0000
Error	42	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For ----- Zeama Plant Injury % Apr-13-21 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	658.333333			
Replicate	3	5.000000	1.666667	1.000	0.4023
Treatment	14	583.333333	41.666667	25.000	0.0001
Error	42	70.000000	1.666667		

Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % Apr-20-21 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	833.333333			
Replicate	3	6.666667	2.222222	0.318	0.8121
Treatment	14	533.333333	38.095238	5.455	0.0001
Error	42	293.333333	6.984127		

Randomized Complete Block (RCB) AOV For ----- Zeama Leaf Burn % Apr-20-21 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	993.333333			
Replicate	3	6.666667	2.222222	1.000	0.4023
Treatment	14	893.333333	63.809524	28.714	0.0001
Error	42	93.333333	2.222222		

Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-20-21 (Data Column 8)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	36590.400000			
Replicate	3	0.000000	0.000000	0.000	1.0000
Treatment	14	36590.400000	2613.600000	0.000	1.0000
Error	42	0.000000	0.000000		

Randomized Complete Block (RCB) AOV For Rapra ----- Control % Apr-20-21 (Data Column 9)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	39788.400000			
Replicate	3	463.333333	154.444444	1.555	0.2146
Treatment	14	35152.900000	2510.921429	25.277	0.0001
Error	42	4172.166667	99.337302		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % Apr-20-21 (Data Column 10)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	36951.650000			
Replicate	3	76.183333	25.394444	1.059	0.3769
Treatment	14	35867.900000	2561.992857	106.796	0.0001
Error	42	1007.566667	23.989683		

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For ----- Zeama Stunting % Apr-29-21 (Data Column 11)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	1064.583333			
Replicate	3	87.916667	29.305556	1.744	0.1727
Treatment	14	270.833333	19.345238	1.151	0.3460
Error	42	705.833333	16.805556		

Randomized Complete Block (RCB) AOV For ----- Zeama Chloosis % Apr-29-21 (Data Column 12)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	143.333333			
Replicate	3	3.333333	1.111111	1.000	0.4023
Treatment	14	93.333333	6.666667	6.000	0.0001
Error	42	46.666667	1.111111		

Randomized Complete Block (RCB) AOV For ----- Zeama Necrosis % Apr-29-21 (Data Column 13)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	114.583333			
Replicate	3	1.250000	0.416667	0.219	0.8828
Treatment	14	33.333333	2.380952	1.250	0.2781
Error	42	80.000000	1.904762		

Randomized Complete Block (RCB) AOV For Amapa ----- Control % Apr-29-21 (Data Column 14)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	36515.733333			
Replicate	3	3.200000	1.066667	2.154	0.1078
Treatment	14	36491.733333	2606.552381	5263.231	0.0001
Error	42	20.800000	0.495238		

Randomized Complete Block (RCB) AOV For Rapra ----- Control % Apr-29-21 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	38280.183333			
Replicate	3	170.850000	56.950000	1.348	0.2718
Treatment	14	36334.933333	2595.352381	61.432	0.0001
Error	42	1774.400000	42.247619		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % Apr-29-21 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	41470.733333			
Replicate	3	2112.200000	704.066667	7.570	0.0004
Treatment	14	35452.233333	2532.302381	27.227	0.0001
Error	42	3906.300000	93.007143		

Randomized Complete Block (RCB) AOV For ----- Zeama Plant Stunting % May-6-21 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	421.250000			
Replicate	3	84.583333	28.194444	5.342	0.0033
Treatment	14	115.000000	8.214286	1.556	0.1332
Error	42	221.666667	5.277778		

Randomized Complete Block (RCB) AOV For ----- Zeama Leaf Chlorosis % May-6-21 (Data Column 18)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	223.333333			
Replicate	3	20.000000	6.666667	1.965	0.1339
Treatment	14	60.833333	4.345238	1.281	0.2593
Error	42	142.500000	3.392857		

Randomized Complete Block (RCB) AOV For ----- Zeama Leaf Necrosis % May-6-21 (Data Column 19)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	14	0.000000000000	0.000000000000	0.000	1.0000
Error	42	0.000000000000	0.000000000000		

Randomized Complete Block (RCB) AOV For Amapa ---- Control % May-6-21 (Data Column 20)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	41119.933333			
Replicate	3	305.800000	101.933333	1.759	0.1697
Treatment	14	38380.433333	2741.459524	47.311	0.0001
Error	42	2433.700000	57.945238		

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

Randomized Complete Block (RCB) AOV For Rapra ----- Control % May-6-21 (Data Column 21)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	35819.650000			
Replicate	3	101.116667	33.705556	1.048	0.3813
Treatment	14	34367.900000	2454.850000	76.337	0.0001
Error	42	1350.633333	32.157937		

Randomized Complete Block (RCB) AOV For Agrass ----- Control % May-6-21 (Data Column 22)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	59	43499.600000			
Replicate	3	1395.333333	465.111111	4.893	0.0052
Treatment	14	38112.100000	2722.292857	28.640	0.0001
Error	42	3992.166667	95.051587		

Randomized Complete Block (RCB) AOV For ----- ZEAMA PLOT YIELD LBS/PLOT Sep-7-21 (Data Column 23)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	58	1000.859259			
Replicate	3	36.088889	12.029630	1.062	0.3759
Treatment	14	500.192593	35.728042	3.153	0.0021
Error	41	464.577778	11.331165		

Randomized Complete Block (RCB) AOV For ----- ZEAMA PLOT YIELD BU/A Sep-7-21 (Data Column 24)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	58	25767.821284			
Replicate	3	929.133673	309.711224	1.062	0.3759
Treatment	14	12877.807958	919.843426	3.153	0.0021
Error	41	11960.879654	291.728772		

Part Rated

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

Leaf = LEAF / FOLIAGE

Rating Unit

% = PERCENT

ARM Action Codes

TY1 = 5.07402198*[23]

University of Georgia

AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						-----	Rapra	Agrass	Amapa			
Crop Code						Zeama						
Part Rated						Plant, -						
Rating Data Type						Stunting	Control	Control	Control			
Rating Unit						%	%	%	%			
Rating Date						Mar-31-21	Apr-7-21	Apr-7-21	Apr-7-21			
Trt	Treatment	Form	Form	Product	Product	Grow	Appl					
No.	Name	Conc	Type	Rate	Rate	Unit	Stg	Code	Plot			
								1	2			
								3	4			
1	NTC							101	0.0	0.0	0.0	0.0
								212	0.0	0.0	0.0	0.0
								302	0.0	0.0	0.0	0.0
								407	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
2	IMPACT CORE	7.15	EC	24.0	oz/a		EPOST	B 102	0.0	0.0	0.0	0.0
	AATREX	4	L	48.0	oz/a		EPOST	B 203	0.0	0.0	0.0	0.0
	ROUNDUP POWERMAX 3	5.88	SL	25.0	oz/a		EPOST	B 315	0.0	0.0	0.0	0.0
	NIS			0.25	% v/v		EPOST	B 413	0.0	0.0	0.0	0.0
	AMSOL	3.4	SL	96.0	oz/a		EPOST	B				
								Mean =	0.0	0.0	0.0	0.0
3	LIBERTY	2.34	SL	32.0	oz/a		MPOST	C 103	0.0	0.0	0.0	0.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 213	0.0	0.0	0.0	0.0
								303	0.0	0.0	0.0	0.0
								406	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
4	SINATE	2.57	SL	24.0	oz/a		MPOST	C 104	0.0	0.0	0.0	0.0
	MSO			1.0	% v/v		MPOST	C 202	0.0	0.0	0.0	0.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 301	0.0	0.0	0.0	0.0
								414	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
5	SINATE	2.57	SL	24.0	oz/a		MPOST	C 105	0.0	0.0	0.0	0.0
	AATREX	4	L	16.0	oz/a		MPOST	C 210	0.0	0.0	0.0	0.0
	MSO			1.0	% v/v		MPOST	C 312	0.0	0.0	0.0	0.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 404	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
6	SINATE	2.57	SL	24.0	oz/a		MPOST	C 106	0.0	0.0	0.0	0.0
	DUAL II MAGNUM	6.64	EC	24.0	oz/a		MPOST	C 204	0.0	0.0	0.0	0.0
	MSO			1.0	% v/v		MPOST	C 307	0.0	0.0	0.0	0.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 403	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
7	SINATE	2.57	SL	24.0	oz/a		MPOST	C 107	0.0	0.0	0.0	0.0
	AATREX	4	L	16.0	oz/a		MPOST	C 206	0.0	0.0	0.0	0.0
	DUAL II MAGNUM	7.64	EC	24.0	oz/a		MPOST	C 314	0.0	0.0	0.0	0.0
	MSO			1.0	% v/v		MPOST	C 411	0.0	0.0	0.0	0.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C				
								Mean =	0.0	0.0	0.0	0.0
8	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 108	0.0	99.0	99.0	99.0
	SINATE	2.57	SL	24.0	oz/a		POST	D 214	0.0	95.0	99.0	99.0
	MSO			1.0	% v/v		POST	D 310	0.0	99.0	99.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D 405	0.0	99.0	99.0	99.0
								Mean =	0.0	98.0	99.0	99.0
9	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 109	0.0	99.0	99.0	99.0
	SINATE	2.57	SL	24.0	oz/a		POST	D 207	0.0	90.0	99.0	99.0
	AATREX	4	L	32.0	oz/a		POST	D 309	0.0	99.0	99.0	99.0
	MSO			1.0	% v/v		POST	D 408	0.0	95.0	99.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D				
								Mean =	0.0	95.8	99.0	99.0
10	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 110	0.0	99.0	99.0	99.0
	SINATE	2.57	SL	28.0	oz/a		POST	D 209	0.0	85.0	90.0	99.0
	MSO			1.0	% v/v		POST	D 311	0.0	95.0	99.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D 402	0.0	99.0	99.0	99.0
								Mean =	0.0	94.5	96.8	99.0

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AMVAC CORN HERBICIDE PORTFOLIO	
Trial ID: CN-10-21	Study Dir.: MASON NEWARK
Location: PONDER FARM	Investigator: Eric P. Prostko

							----- Zeama Plant, - Stunting % Mar-31-21	Rapra Control % Apr-7-21	Agrass Control % Apr-7-21	Amapa Control % Apr-7-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	Plot	1	2	3	4
11	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	111	0.0	99.0	99.0	99.0
	SINATE	2.57	SL	28.0 oz/a		POST	D	205	0.0	95.0	99.0	99.0
	AATREX	4	L	32.0 oz/a		POST	D	308	0.0	99.0	99.0	99.0
	MSO			1.0 % v/v		POST	D	412	0.0	95.0	99.0	99.0
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
								Mean =	0.0	97.0	99.0	99.0
12	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	112	0.0	99.0	85.0	99.0
	IMPACT CORE	7.15	EC	24.0 oz/a		POST	D	211	0.0	85.0	99.0	99.0
	AATREX	4	L	32.0 oz/a		POST	D	313	0.0	99.0	99.0	99.0
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		POST	D	409	0.0	90.0	99.0	99.0
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	0.0	93.3	95.5	99.0
13	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	113	0.0	95.0	99.0	99.0
	IMPACT	2.8	L	1.0 oz/a		POST	D	215	0.0	99.0	99.0	99.0
	AATREX	4	L	16.0 oz/a		POST	D	305	0.0	95.0	99.0	99.0
	MSO			1.0 % v/v		POST	D	415	0.0	95.0	99.0	99.0
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	0.0	96.0	99.0	99.0
14	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	114	0.0	85.0	99.0	99.0
	HALEX GT	4.39	SC	58.0 oz/a		POST	D	208	0.0	90.0	99.0	99.0
	AATREX	4	L	16.0 oz/a		POST	D	304	0.0	95.0	99.0	99.0
	NIS			0.25 % v/v		POST	D	410	0.0	95.0	99.0	99.0
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	0.0	91.3	99.0	99.0
15	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	115	0.0	95.0	99.0	99.0
	IMPACT	2.8	L	2.01 oz/a		LPOST	E	201	0.0	99.0	99.0	99.0
	MSO			1.0 % v/v		LPOST	E	306	0.0	95.0	95.0	99.0
	AMSOL	3.4	SL	96.0 oz/a		LPOST	E	401	0.0	99.0	99.0	99.0
								Mean =	0.0	97.0	98.0	99.0

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

						----- Zeama Plant, - Injury % Apr-13-21	----- Zeama Stunting % Apr-20-21	----- Zeama Leaf, - Burn % Apr-20-21	Amapa ----- Control % Apr-20-21			
Trt	Treatment	Form	Form	Product	Product	Grow	Appl					
No.	Name	Conc	Type	Rate	Rate	Unit	Stg	Code	Plot			
						5	6	7	8			
1	NTC							101	0.0	0.0	0.0	0.0
								212	0.0	0.0	0.0	0.0
								302	0.0	0.0	0.0	0.0
								407	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
2	IMPACT CORE	7.15	EC	24.0	oz/a		EPOST	B 102	10.0	0.0	0.0	99.0
	AATREX	4	L	48.0	oz/a		EPOST	B 203	10.0	10.0	0.0	99.0
	ROUNDUP POWERMAX 3	5.88	SL	25.0	oz/a		EPOST	B 315	20.0	10.0	0.0	99.0
	NIS			0.25	% v/v		EPOST	B 413	10.0	10.0	0.0	99.0
	AMSOL	3.4	SL	96.0	oz/a		EPOST	B				
								Mean =	12.5	7.5	0.0	99.0
3	LIBERTY	2.34	SL	32.0	oz/a		MPOST	C 103	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 213	0.0	0.0	0.0	99.0
								303	0.0	0.0	0.0	99.0
								406	0.0	0.0	0.0	99.0
								Mean =	0.0	0.0	0.0	99.0
4	SINATE	2.57	SL	24.0	oz/a		MPOST	C 104	0.0	0.0	0.0	99.0
	MSO			1.0	% v/v		MPOST	C 202	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 301	0.0	0.0	0.0	99.0
								414	0.0	0.0	0.0	99.0
								Mean =	0.0	0.0	0.0	99.0
5	SINATE	2.57	SL	24.0	oz/a		MPOST	C 105	0.0	0.0	0.0	99.0
	AATREX	4	L	16.0	oz/a		MPOST	C 210	0.0	10.0	0.0	99.0
	MSO			1.0	% v/v		MPOST	C 312	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 404	0.0	0.0	0.0	99.0
								Mean =	0.0	2.5	0.0	99.0
6	SINATE	2.57	SL	24.0	oz/a		MPOST	C 106	0.0	0.0	0.0	99.0
	DUAL II MAGNUM	6.64	EC	24.0	oz/a		MPOST	C 204	0.0	0.0	10.0	99.0
	MSO			1.0	% v/v		MPOST	C 307	0.0	0.0	10.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 403	0.0	0.0	0.0	99.0
								Mean =	0.0	0.0	5.0	99.0
7	SINATE	2.57	SL	24.0	oz/a		MPOST	C 107	0.0	10.0	15.0	99.0
	AATREX	4	L	16.0	oz/a		MPOST	C 206	0.0	10.0	15.0	99.0
	DUAL II MAGNUM	7.64	EC	24.0	oz/a		MPOST	C 314	0.0	10.0	15.0	99.0
	MSO			1.0	% v/v		MPOST	C 411	0.0	10.0	15.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C				
								Mean =	0.0	10.0	15.0	99.0
8	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 108	0.0	0.0	0.0	99.0
	SINATE	2.57	SL	24.0	oz/a		POST	D 214	0.0	0.0	0.0	99.0
	MSO			1.0	% v/v		POST	D 310	0.0	10.0	0.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D 405	0.0	0.0	0.0	99.0
								Mean =	0.0	2.5	0.0	99.0
9	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 109	0.0	0.0	0.0	99.0
	SINATE	2.57	SL	24.0	oz/a		POST	D 207	0.0	0.0	0.0	99.0
	AATREX	4	L	32.0	oz/a		POST	D 309	0.0	0.0	0.0	99.0
	MSO			1.0	% v/v		POST	D 408	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D				
								Mean =	0.0	0.0	0.0	99.0
10	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 110	0.0	0.0	0.0	99.0
	SINATE	2.57	SL	28.0	oz/a		POST	D 209	0.0	0.0	0.0	99.0
	MSO			1.0	% v/v		POST	D 311	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D 402	0.0	0.0	0.0	99.0
								Mean =	0.0	0.0	0.0	99.0

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

							----- Zeama Plant, - Injury % Apr-13-21	----- Zeama Stunting % Apr-20-21	----- Zeama Leaf, - Burn % Apr-20-21	Amapa ----- Control % Apr-20-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	Plot	5	6	7	8
11	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	111	0.0	0.0	0.0	99.0
	SINATE	2.57	SL	28.0 oz/a		POST	D	205	0.0	0.0	0.0	99.0
	AATREX	4	L	32.0 oz/a		POST	D	308	0.0	0.0	0.0	99.0
	MSO			1.0 % v/v		POST	D	412	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
								Mean =	0.0	0.0	0.0	99.0
12	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	112	0.0	0.0	0.0	99.0
	IMPACT CORE	7.15	EC	24.0 oz/a		POST	D	211	0.0	0.0	0.0	99.0
	AATREX	4	L	32.0 oz/a		POST	D	313	0.0	0.0	0.0	99.0
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		POST	D	409	0.0	0.0	0.0	99.0
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	0.0	0.0	0.0	99.0
13	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	113	0.0	10.0	0.0	99.0
	IMPACT	2.8	L	1.0 oz/a		POST	D	215	0.0	0.0	0.0	99.0
	AATREX	4	L	16.0 oz/a		POST	D	305	0.0	0.0	0.0	99.0
	MSO			1.0 % v/v		POST	D	415	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	0.0	2.5	0.0	99.0
14	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	114	0.0	0.0	0.0	99.0
	HALEX GT	4.39	SC	58.0 oz/a		POST	D	208	0.0	0.0	0.0	99.0
	AATREX	4	L	16.0 oz/a		POST	D	304	0.0	0.0	0.0	99.0
	NIS			0.25 % v/v		POST	D	410	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	0.0	0.0	0.0	99.0
15	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	115	0.0	0.0	0.0	99.0
	IMPACT	2.8	L	2.01 oz/a		LPOST	E	201	0.0	0.0	0.0	99.0
	MSO			1.0 % v/v		LPOST	E	306	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	96.0 oz/a		LPOST	E	401	0.0	0.0	0.0	99.0
								Mean =	0.0	0.0	0.0	99.0

University of Georgia

AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

						Rapra	Agrass	-----	-----
						-----	-----	Zeama	Zeama
						Control	Control	Stunting	Chloosis
						%	%	%	%
						Apr-20-21	Apr-20-21	Apr-29-21	Apr-29-21
Trt	Treatment	Form	Form	Product	Product	Grow	Appl		
No.	Name	Conc	Type	Rate	Rate	Unit	Stg	Code	Plot
						9	10	11	12
1	NTC							101	0.0
								212	0.0
								302	0.0
								407	0.0
								Mean =	0.0
2	IMPACT CORE	7.15	EC	24.0	oz/a		EPOST	B 102	99.0
	AATREX	4	L	48.0	oz/a		EPOST	B 203	99.0
	ROUNDUP POWERMAX 3	5.88	SL	25.0	oz/a		EPOST	B 315	99.0
	NIS			0.25	% v/v		EPOST	B 413	99.0
	AMSOL	3.4	SL	96.0	oz/a		EPOST	B	
								Mean =	99.0
3	LIBERTY	2.34	SL	32.0	oz/a		MPOST	C 103	65.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 213	99.0
								303	50.0
								406	99.0
								Mean =	78.3
4	SINATE	2.57	SL	24.0	oz/a		MPOST	C 104	65.0
	MSO			1.0	% v/v		MPOST	C 202	99.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 301	65.0
								414	85.0
								Mean =	78.5
5	SINATE	2.57	SL	24.0	oz/a		MPOST	C 105	99.0
	AATREX	4	L	16.0	oz/a		MPOST	C 210	99.0
	MSO			1.0	% v/v		MPOST	C 312	99.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 404	99.0
								Mean =	99.0
6	SINATE	2.57	SL	24.0	oz/a		MPOST	C 106	95.0
	DUAL II MAGNUM	6.64	EC	24.0	oz/a		MPOST	C 204	65.0
	MSO			1.0	% v/v		MPOST	C 307	65.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 403	95.0
								Mean =	80.0
7	SINATE	2.57	SL	24.0	oz/a		MPOST	C 107	99.0
	AATREX	4	L	16.0	oz/a		MPOST	C 206	99.0
	DUAL II MAGNUM	7.64	EC	24.0	oz/a		MPOST	C 314	99.0
	MSO			1.0	% v/v		MPOST	C 411	99.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C	
								Mean =	99.0
8	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 108	99.0
	SINATE	2.57	SL	24.0	oz/a		POST	D 214	99.0
	MSO			1.0	% v/v		POST	D 310	99.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D 405	99.0
								Mean =	99.0
9	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 109	85.0
	SINATE	2.57	SL	24.0	oz/a		POST	D 207	99.0
	AATREX	4	L	32.0	oz/a		POST	D 309	99.0
	MSO			1.0	% v/v		POST	D 408	99.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D	
								Mean =	95.5
10	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 110	99.0
	SINATE	2.57	SL	28.0	oz/a		POST	D 209	90.0
	MSO			1.0	% v/v		POST	D 311	99.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D 402	99.0
								Mean =	96.8

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

							Rapra	Agrass	-----	-----			
							-----	-----	Zeama	Zeama			
							Control	Control	Stunting	Chloosis			
							%	%	%	%			
							Apr-20-21	Apr-20-21	Apr-29-21	Apr-29-21			
Trt	Treatment	Form	Form	Product	Product	Grow	Appl						
No.	Name	Conc	Type	Rate	Rate	Unit	Stg	Code	Plot				
							9	10	11	12			
11	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	111		99.0	85.0	0.0	0.0
	SINATE	2.57 SL		28.0 oz/a		POST	D	205		99.0	99.0	0.0	0.0
	AATREX	4 L		32.0 oz/a		POST	D	308		95.0	99.0	0.0	0.0
	MSO			1.0 % v/v		POST	D	412		99.0	99.0	0.0	0.0
	AMSOL	3.4 SL		115.0 oz/a		POST	D						
Mean =							98.0	95.5	0.0	0.0			
12	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	112		99.0	75.0	0.0	0.0
	IMPACT CORE	7.15 EC		24.0 oz/a		POST	D	211		95.0	99.0	0.0	0.0
	AATREX	4 L		32.0 oz/a		POST	D	313		99.0	99.0	0.0	0.0
	ROUNDUP POWERMAX 3	5.88 SL		25.0 oz/a		POST	D	409		75.0	99.0	0.0	0.0
	NIS			0.25 % v/v		POST	D						
	AMSOL	3.4 SL		96.0 oz/a		POST	D						
Mean =							92.0	93.0	0.0	0.0			
13	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	113		95.0	99.0	15.0	0.0
	IMPACT	2.8 L		1.0 oz/a		POST	D	215		99.0	99.0	0.0	0.0
	AATREX	4 L		16.0 oz/a		POST	D	305		85.0	95.0	10.0	0.0
	MSO			1.0 % v/v		POST	D	415		99.0	99.0	0.0	0.0
	AMSOL	3.4 SL		96.0 oz/a		POST	D						
Mean =							94.5	98.0	6.3	0.0			
14	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	114		85.0	99.0	0.0	0.0
	HALEX GT	4.39 SC		58.0 oz/a		POST	D	208		85.0	99.0	10.0	0.0
	AATREX	4 L		16.0 oz/a		POST	D	304		99.0	99.0	10.0	0.0
	NIS			0.25 % v/v		POST	D	410		99.0	99.0	0.0	0.0
	AMSOL	3.4 SL		96.0 oz/a		POST	D						
Mean =							92.0	99.0	5.0	0.0			
15	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE	A	115		95.0	99.0	0.0	0.0
	IMPACT	2.8 L		2.01 oz/a		LPOST	E	201		99.0	99.0	10.0	0.0
	MSO			1.0 % v/v		LPOST	E	306		85.0	99.0	0.0	0.0
	AMSOL	3.4 SL		96.0 oz/a		LPOST	E	401		99.0	99.0	0.0	0.0
Mean =							94.5	99.0	2.5	0.0			

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						----- Zeama	Amapa -----	Rapra -----	Agrass -----
Crop Code						Necrosis %	Control %	Control %	Control %
Part Rated						Apr-29-21	Apr-29-21	Apr-29-21	Apr-29-21
Rating Data Type									
Rating Unit									
Rating Date									
Trt No.	Treatment Name	Form Conc	Form Rate	Product Rate	Product Unit	Grow Stg	Appl Code	Plot	
1	NTC								
							101	0.0	0.0
							212	0.0	0.0
							302	0.0	0.0
							407	0.0	0.0
							Mean =	0.0	0.0
2	IMPACT CORE	7.15 EC		24.0 oz/a		EPOST B	102	0.0	99.0
	AATREX	4 L		48.0 oz/a		EPOST B	203	0.0	99.0
	ROUNDUP POWERMAX 3	5.88 SL		25.0 oz/a		EPOST B	315	0.0	99.0
	NIS			0.25 % v/v		EPOST B	413	0.0	99.0
	AMSOL	3.4 SL		96.0 oz/a		EPOST B			
							Mean =	0.0	99.0
3	LIBERTY	2.34 SL		32.0 oz/a		MPOST C	103	0.0	99.0
	AMSOL	3.4 SL		115.0 oz/a		MPOST C	213	0.0	95.0
							303	0.0	99.0
							406	0.0	99.0
							Mean =	0.0	98.0
4	SINATE	2.57 SL		24.0 oz/a		MPOST C	104	0.0	99.0
	MSO			1.0 % v/v		MPOST C	202	0.0	99.0
	AMSOL	3.4 SL		115.0 oz/a		MPOST C	301	0.0	99.0
							414	0.0	99.0
							Mean =	0.0	99.0
5	SINATE	2.57 SL		24.0 oz/a		MPOST C	105	0.0	99.0
	AATREX	4 L		16.0 oz/a		MPOST C	210	0.0	99.0
	MSO			1.0 % v/v		MPOST C	312	0.0	99.0
	AMSOL	3.4 SL		115.0 oz/a		MPOST C	404	0.0	99.0
							Mean =	0.0	99.0
6	SINATE	2.57 SL		24.0 oz/a		MPOST C	106	0.0	99.0
	DUAL II MAGNUM	6.64 EC		24.0 oz/a		MPOST C	204	0.0	99.0
	MSO			1.0 % v/v		MPOST C	307	0.0	99.0
	AMSOL	3.4 SL		115.0 oz/a		MPOST C	403	0.0	99.0
							Mean =	0.0	99.0
7	SINATE	2.57 SL		24.0 oz/a		MPOST C	107	0.0	99.0
	AATREX	4 L		16.0 oz/a		MPOST C	206	5.0	99.0
	DUAL II MAGNUM	7.64 EC		24.0 oz/a		MPOST C	314	0.0	99.0
	MSO			1.0 % v/v		MPOST C	411	5.0	99.0
	AMSOL	3.4 SL		115.0 oz/a		MPOST C			
							Mean =	2.5	99.0
8	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE A	108	0.0	99.0
	SINATE	2.57 SL		24.0 oz/a		POST D	214	0.0	99.0
	MSO			1.0 % v/v		POST D	310	0.0	99.0
	AMSOL	3.4 SL		115.0 oz/a		POST D	405	0.0	99.0
							Mean =	0.0	99.0
9	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE A	109	5.0	99.0
	SINATE	2.57 SL		24.0 oz/a		POST D	207	0.0	99.0
	AATREX	4 L		32.0 oz/a		POST D	309	0.0	99.0
	MSO			1.0 % v/v		POST D	408	0.0	99.0
	AMSOL	3.4 SL		115.0 oz/a		POST D			
							Mean =	1.3	99.0
10	BICEP II MAGNUM	5.5 L		51.0 oz/a		PRE A	110	0.0	99.0
	SINATE	2.57 SL		28.0 oz/a		POST D	209	0.0	99.0
	MSO			1.0 % v/v		POST D	311	0.0	99.0
	AMSOL	3.4 SL		115.0 oz/a		POST D	402	0.0	99.0
							Mean =	0.0	99.0

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

							----- Zeama -----	Amapa -----	Rapra -----	Agrass -----		
							Necrosis %	Control %	Control %	Control %		
							Apr-29-21	Apr-29-21	Apr-29-21	Apr-29-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	Plot	13	14	15	16
11	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	111	0.0	99.0	99.0	99.0
	SINATE	2.57	SL	28.0 oz/a		POST	D	205	5.0	99.0	99.0	99.0
	AATREX	4	L	32.0 oz/a		POST	D	308	0.0	99.0	99.0	99.0
	MSO			1.0 % v/v		POST	D	412	0.0	99.0	95.0	65.0
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
								Mean =	1.3	99.0	98.0	90.5
12	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	112	0.0	99.0	99.0	99.0
	IMPACT CORE	7.15	EC	24.0 oz/a		POST	D	211	0.0	99.0	99.0	99.0
	AATREX	4	L	32.0 oz/a		POST	D	313	5.0	99.0	99.0	99.0
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		POST	D	409	0.0	99.0	99.0	99.0
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	1.3	99.0	99.0	99.0
13	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	113	0.0	99.0	99.0	99.0
	IMPACT	2.8	L	1.0 oz/a		POST	D	215	0.0	99.0	95.0	99.0
	AATREX	4	L	16.0 oz/a		POST	D	305	0.0	99.0	99.0	99.0
	MSO			1.0 % v/v		POST	D	415	0.0	99.0	99.0	85.0
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	0.0	99.0	98.0	95.5
14	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	114	0.0	99.0	99.0	99.0
	HALEX GT	4.39	SC	58.0 oz/a		POST	D	208	0.0	99.0	99.0	99.0
	AATREX	4	L	16.0 oz/a		POST	D	304	0.0	99.0	99.0	99.0
	NIS			0.25 % v/v		POST	D	410	0.0	99.0	99.0	99.0
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	0.0	99.0	99.0	99.0
15	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	115	0.0	99.0	90.0	99.0
	IMPACT	2.8	L	2.01 oz/a		LPOST	E	201	0.0	95.0	90.0	99.0
	MSO			1.0 % v/v		LPOST	E	306	0.0	99.0	90.0	99.0
	AMSOL	3.4	SL	96.0 oz/a		LPOST	E	401	0.0	99.0	99.0	99.0
								Mean =	0.0	98.0	92.3	99.0

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

Weed Code						-----	-----	-----	Amapa			
Crop Code						Zeama	Zeama	Zeama	-----			
Part Rated						Plant, -	Leaf, -	Leaf, -	Control			
Rating Data Type						Stunting	Chlorosis	Necrosis	%			
Rating Unit						%	%	%	%			
Rating Date						May-6-21	May-6-21	May-6-21	May-6-21			
Trt	Treatment	Form	Form	Product	Product	Grow	Appl					
No.	Name	Conc	Type	Rate	Rate	Unit	Stg	Code	Plot			
								17	18			
								19	20			
1	NTC							101	0.0	0.0	0.0	0.0
								212	0.0	0.0	0.0	0.0
								302	0.0	0.0	0.0	0.0
								407	0.0	0.0	0.0	0.0
								Mean =	0.0	0.0	0.0	0.0
2	IMPACT CORE	7.15	EC	24.0	oz/a		EPOST	B 102	0.0	0.0	0.0	99.0
	AATREX	4	L	48.0	oz/a		EPOST	B 203	5.0	0.0	0.0	99.0
	ROUNDUP POWERMAX 3	5.88	SL	25.0	oz/a		EPOST	B 315	5.0	5.0	0.0	99.0
	NIS			0.25	% v/v		EPOST	B 413	10.0	5.0	0.0	99.0
	AMSOL	3.4	SL	96.0	oz/a		EPOST	B				
								Mean =	5.0	2.5	0.0	99.0
3	LIBERTY	2.34	SL	32.0	oz/a		MPOST	C 103	0.0	0.0	0.0	85.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 213	5.0	0.0	0.0	50.0
								303	0.0	0.0	0.0	65.0
								406	5.0	0.0	0.0	75.0
								Mean =	2.5	0.0	0.0	68.8
4	SINATE	2.57	SL	24.0	oz/a		MPOST	C 104	0.0	0.0	0.0	99.0
	MSO			1.0	% v/v		MPOST	C 202	5.0	0.0	0.0	50.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 301	0.0	0.0	0.0	99.0
								414	0.0	0.0	0.0	60.0
								Mean =	1.3	0.0	0.0	77.0
5	SINATE	2.57	SL	24.0	oz/a		MPOST	C 105	0.0	0.0	0.0	99.0
	AATREX	4	L	16.0	oz/a		MPOST	C 210	5.0	5.0	0.0	99.0
	MSO			1.0	% v/v		MPOST	C 312	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 404	5.0	5.0	0.0	99.0
								Mean =	2.5	2.5	0.0	99.0
6	SINATE	2.57	SL	24.0	oz/a		MPOST	C 106	0.0	0.0	0.0	99.0
	DUAL II MAGNUM	6.64	EC	24.0	oz/a		MPOST	C 204	0.0	0.0	0.0	99.0
	MSO			1.0	% v/v		MPOST	C 307	5.0	0.0	0.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C 403	0.0	0.0	0.0	99.0
								Mean =	1.3	0.0	0.0	99.0
7	SINATE	2.57	SL	24.0	oz/a		MPOST	C 107	5.0	0.0	0.0	99.0
	AATREX	4	L	16.0	oz/a		MPOST	C 206	5.0	0.0	0.0	99.0
	DUAL II MAGNUM	7.64	EC	24.0	oz/a		MPOST	C 314	0.0	0.0	0.0	99.0
	MSO			1.0	% v/v		MPOST	C 411	5.0	5.0	0.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C				
								Mean =	3.8	1.3	0.0	99.0
8	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 108	0.0	0.0	0.0	99.0
	SINATE	2.57	SL	24.0	oz/a		POST	D 214	5.0	0.0	0.0	99.0
	MSO			1.0	% v/v		POST	D 310	5.0	0.0	0.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D 405	5.0	0.0	0.0	90.0
								Mean =	3.8	0.0	0.0	96.8
9	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 109	0.0	0.0	0.0	99.0
	SINATE	2.57	SL	24.0	oz/a		POST	D 207	0.0	0.0	0.0	99.0
	AATREX	4	L	32.0	oz/a		POST	D 309	0.0	0.0	0.0	99.0
	MSO			1.0	% v/v		POST	D 408	5.0	0.0	0.0	95.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D				
								Mean =	1.3	0.0	0.0	98.0
10	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A 110	0.0	0.0	0.0	99.0
	SINATE	2.57	SL	28.0	oz/a		POST	D 209	0.0	0.0	0.0	99.0
	MSO			1.0	% v/v		POST	D 311	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	115.0	oz/a		POST	D 402	0.0	0.0	0.0	95.0
								Mean =	0.0	0.0	0.0	98.0

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

							----- Zeama Plant, - Stunting % May-6-21	----- Zeama Leaf, - Chlorosis % May-6-21	----- Zeama Leaf, - Necrosis % May-6-21	Amapa ----- Control % May-6-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	Plot	17	18	19	20
11	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	111	0.0	0.0	0.0	99.0
	SINATE	2.57	SL	28.0 oz/a		POST	D	205	0.0	0.0	0.0	99.0
	AATREX	4	L	32.0 oz/a		POST	D	308	0.0	0.0	0.0	99.0
	MSO			1.0 % v/v		POST	D	412	5.0	0.0	0.0	99.0
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
								Mean =	1.3	0.0	0.0	99.0
12	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	112	5.0	5.0	0.0	99.0
	IMPACT CORE	7.15	EC	24.0 oz/a		POST	D	211	5.0	0.0	0.0	99.0
	AATREX	4	L	32.0 oz/a		POST	D	313	0.0	0.0	0.0	99.0
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		POST	D	409	5.0	0.0	0.0	99.0
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	3.8	1.3	0.0	99.0
13	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	113	5.0	0.0	0.0	99.0
	IMPACT	2.8	L	1.0 oz/a		POST	D	215	0.0	0.0	0.0	99.0
	AATREX	4	L	16.0 oz/a		POST	D	305	0.0	0.0	0.0	99.0
	MSO			1.0 % v/v		POST	D	415	5.0	0.0	0.0	99.0
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	2.5	0.0	0.0	99.0
14	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	114	0.0	0.0	0.0	99.0
	HALEX GT	4.39	SC	58.0 oz/a		POST	D	208	0.0	0.0	0.0	99.0
	AATREX	4	L	16.0 oz/a		POST	D	304	5.0	0.0	0.0	99.0
	NIS			0.25 % v/v		POST	D	410	5.0	0.0	0.0	99.0
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	2.5	0.0	0.0	99.0
15	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	115	0.0	0.0	0.0	99.0
	IMPACT	2.8	L	2.01 oz/a		LPOST	E	201	5.0	0.0	0.0	99.0
	MSO			1.0 % v/v		LPOST	E	306	0.0	0.0	0.0	99.0
	AMSOL	3.4	SL	96.0 oz/a		LPOST	E	401	5.0	10.0	0.0	99.0
								Mean =	2.5	2.5	0.0	99.0

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

							Rapra	Agrass	-----	-----			
							Control	Control	ZEAMA	ZEAMA			
							%	%	PLOT, -	PLOT, -			
							May-6-21	May-6-21	YIELD	YIELD			
									LBS/PLOT	BU/A			
									Sep-7-21	Sep-7-21			
Trt	Treatment	Form	Form	Product	Product	Grow	Appl						
No.	Name	Conc	Type	Rate	Rate	Unit	Stg	Code	Plot	21	22	23	24
1	NTC								101	0.0	0.0	.	.
									212	0.0	0.0	35.0	177.6
									302	0.0	0.0	47.0	238.5
									407	0.0	0.0	37.0	187.7
									Mean =	0.0	0.0	39.7	201.3
2	IMPACT CORE	7.15	EC	24.0	oz/a		EPOST	B	102	95.0	99.0	53.0	268.9
	AATREX	4	L	48.0	oz/a		EPOST	B	203	99.0	95.0	50.0	253.7
	ROUNDUP POWERMAX 3	5.88	SL	25.0	oz/a		EPOST	B	315	99.0	99.0	47.0	238.5
	NIS			0.25	% v/v		EPOST	B	413	99.0	99.0	53.0	268.9
	AMSOL	3.4	SL	96.0	oz/a		EPOST	B					
									Mean =	98.0	98.0	50.8	257.5
3	LIBERTY	2.34	SL	32.0	oz/a		MPOST	C	103	65.0	75.0	53.0	268.9
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C	213	99.0	50.0	44.0	223.3
									303	60.0	65.0	45.0	228.3
									406	85.0	50.0	43.0	218.2
									Mean =	77.3	60.0	46.3	234.7
4	SINATE	2.57	SL	24.0	oz/a		MPOST	C	104	90.0	85.0	51.0	258.8
	MSO			1.0	% v/v		MPOST	C	202	95.0	50.0	47.0	238.5
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C	301	85.0	95.0	49.0	248.6
									414	95.0	50.0	43.0	218.2
									Mean =	91.3	70.0	47.5	241.0
5	SINATE	2.57	SL	24.0	oz/a		MPOST	C	105	99.0	90.0	54.0	274.0
	AATREX	4	L	16.0	oz/a		MPOST	C	210	99.0	99.0	51.0	258.8
	MSO			1.0	% v/v		MPOST	C	312	95.0	95.0	53.0	268.9
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C	404	99.0	65.0	53.0	268.9
									Mean =	98.0	87.3	52.8	267.7
6	SINATE	2.57	SL	24.0	oz/a		MPOST	C	106	95.0	99.0	52.0	263.8
	DUAL II MAGNUM	6.64	EC	24.0	oz/a		MPOST	C	204	90.0	99.0	47.0	238.5
	MSO			1.0	% v/v		MPOST	C	307	95.0	99.0	45.0	228.3
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C	403	90.0	99.0	51.0	258.8
									Mean =	92.5	99.0	48.8	247.4
7	SINATE	2.57	SL	24.0	oz/a		MPOST	C	107	99.0	95.0	50.0	253.7
	AATREX	4	L	16.0	oz/a		MPOST	C	206	90.0	99.0	47.0	238.5
	DUAL II MAGNUM	7.64	EC	24.0	oz/a		MPOST	C	314	99.0	99.0	54.0	274.0
	MSO			1.0	% v/v		MPOST	C	411	90.0	99.0	50.0	253.7
	AMSOL	3.4	SL	115.0	oz/a		MPOST	C					
									Mean =	94.5	98.0	50.3	255.0
8	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A	108	95.0	99.0	52.0	263.8
	SINATE	2.57	SL	24.0	oz/a		POST	D	214	99.0	90.0	51.0	258.8
	MSO			1.0	% v/v		POST	D	310	99.0	99.0	49.0	248.6
	AMSOL	3.4	SL	115.0	oz/a		POST	D	405	90.0	75.0	49.0	248.6
									Mean =	95.8	90.8	50.3	255.0
9	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A	109	95.0	99.0	46.0	233.4
	SINATE	2.57	SL	24.0	oz/a		POST	D	207	99.0	99.0	51.0	258.8
	AATREX	4	L	32.0	oz/a		POST	D	309	95.0	99.0	48.0	243.6
	MSO			1.0	% v/v		POST	D	408	95.0	75.0	53.0	268.9
	AMSOL	3.4	SL	115.0	oz/a		POST	D					
									Mean =	96.0	93.0	49.5	251.2
10	BICEP II MAGNUM	5.5	L	51.0	oz/a		PRE	A	110	95.0	99.0	52.0	263.8
	SINATE	2.57	SL	28.0	oz/a		POST	D	209	95.0	65.0	51.0	258.8
	MSO			1.0	% v/v		POST	D	311	99.0	99.0	51.0	258.8
	AMSOL	3.4	SL	115.0	oz/a		POST	D	402	99.0	99.0	43.0	218.2
									Mean =	97.0	90.5	49.3	249.9

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AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
 Location: PONDER FARM Investigator: Eric P. Prostko

							Rapra ----- Control % May-6-21	Agrass ----- Control % May-6-21	----- ZEAMA PLOT, - YIELD LBS/PLOT Sep-7-21	----- ZEAMA PLOT, - YIELD BU/A Sep-7-21		
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Unit	Grow Stg	Appl Code	Plot	21	22	23	24
11	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	111	99.0	99.0	46.0	233.4
	SINATE	2.57	SL	28.0 oz/a		POST	D	205	95.0	99.0	51.0	258.8
	AATREX	4	L	32.0 oz/a		POST	D	308	99.0	99.0	44.0	223.3
	MSO			1.0 % v/v		POST	D	412	90.0	99.0	49.0	248.6
	AMSOL	3.4	SL	115.0 oz/a		POST	D					
								Mean =	95.8	99.0	47.5	241.0
12	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	112	95.0	99.0	45.0	228.3
	IMPACT CORE	7.15	EC	24.0 oz/a		POST	D	211	95.0	99.0	45.0	228.3
	AATREX	4	L	32.0 oz/a		POST	D	313	99.0	99.0	43.0	218.2
	ROUNDUP POWERMAX 3	5.88	SL	25.0 oz/a		POST	D	409	90.0	95.0	51.0	258.8
	NIS			0.25 % v/v		POST	D					
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	94.8	98.0	46.0	233.4
13	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	113	90.0	99.0	55.0	279.1
	IMPACT	2.8	L	1.0 oz/a		POST	D	215	95.0	99.0	53.0	268.9
	AATREX	4	L	16.0 oz/a		POST	D	305	95.0	99.0	46.0	233.4
	MSO			1.0 % v/v		POST	D	415	90.0	65.0	45.0	228.3
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	92.5	90.5	49.8	252.4
14	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	114	90.0	99.0	47.0	238.5
	HALEX GT	4.39	SC	58.0 oz/a		POST	D	208	99.0	99.0	47.0	238.5
	AATREX	4	L	16.0 oz/a		POST	D	304	95.0	99.0	47.0	238.5
	NIS			0.25 % v/v		POST	D	410	90.0	99.0	47.0	238.5
	AMSOL	3.4	SL	96.0 oz/a		POST	D					
								Mean =	93.5	99.0	47.0	238.5
15	BICEP II MAGNUM	5.5	L	51.0 oz/a		PRE	A	115	99.0	99.0	48.0	243.6
	IMPACT	2.8	L	2.01 oz/a		LPOST	E	201	99.0	99.0	49.0	248.6
	MSO			1.0 % v/v		LPOST	E	306	95.0	99.0	47.0	238.5
	AMSOL	3.4	SL	96.0 oz/a		LPOST	E	401	99.0	99.0	50.0	253.7
								Mean =	98.0	99.0	48.5	246.1

University of Georgia

AMVAC CORN HERBICIDE PORTFOLIO

Trial ID: CN-10-21 Study Dir.: MASON NEWARK
Location: PONDER FARM Investigator: Eric P. Prostko

Part Rated

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

Leaf = LEAF / FOLIAGE

Rating Unit

% = PERCENT

ARM Action Codes

TY1 = 5.07402198*[23]