

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP

YEAR 2

Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION

Location: PONDER FARM Investigator: Eric P. Prostko

Reps: 3

Plots: 6 by 25 feet

Mix Size: 1.5 L

Trt No.	Treatment Name	Form	Form Conc	Rate	Rate Unit	Grow Stg	Appl Code	Appl. Amount	Amt Product to Measure	Diluent	Rep 1	2	3
1	NO PRE NO LIBERTY NO HPPD									- - -	101	205	302
2	NO PRE NO LIBERTY CALLISTO PROWL H2O INDUCE	4 SC 3.8 SC		3.0 oz/a 32.0 oz/a 0.25 % v/v		POST B POST B POST B		15 GAL/AC 15 GAL/AC 15 GAL/AC	2.344 mL/mx 25.0 mL/mx 3.75 mL/mx	- - 1468.9 mL	102	215	318
3	NO PRE NO LIBERTY LAUDIS PROWL H2O INDUCE	3.5 SC 3.8 SC		3.0 oz/a 32.0 oz/a 0.25 % v/v		POST B POST B POST B		15 GAL/AC 15 GAL/AC 15 GAL/AC	2.344 mL/mx 25.0 mL/mx 3.75 mL/mx	- - 1468.9 mL	103	216	317
4	NO PRE NO LIBERTY IMPACT PROWL H2O INDUCE	2.8 SC 3.8 SC		1.25 oz/a 32.0 oz/a 0.25 % v/v		POST B POST B POST B		15 GAL/AC 15 GAL/AC 15 GAL/AC	0.9766 mL/mx 25.0 mL/mx 3.75 mL/mx	- - 1470.3 mL	104	206	310
5	NO PRE NO LIBERTY SHIELDDEX PROWL H2O INDUCE	3.33 SC 3.8 SC		1.35 oz/a 32.0 oz/a 0.25 % v/v		POST B POST B POST B		15 GAL/AC 15 GAL/AC 15 GAL/AC	1.055 mL/mx 25.0 mL/mx 3.75 mL/mx	- - 1470.2 mL	105	217	315
6	NO PRE LIBERTY NO HPPD	2.34 SL		32.0 oz/a		POST B		15 GAL/AC	25.0 mL/mx	- 1475 mL -	106	218	304
7	NO PRE LIBERTY CALLISTO PROWL H2O INDUCE	2.34 SL 4 SC 3.8 SC		32.0 oz/a 3.0 oz/a 32.0 oz/a 0.25 % v/v		POST B POST B POST B POST B		15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	25.0 mL/mx 2.344 mL/mx 25.0 mL/mx 3.75 mL/mx	- 1443.9 mL	107	219	314
8	NO PRE LIBERTY LAUDIS PROWL H2O INDUCE	2.34 SL 3.5 SC 3.8 SC		32.0 oz/a 3.0 oz/a 32.0 oz/a 0.25 % v/v		POST B POST B POST B POST B		15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	25.0 mL/mx 2.344 mL/mx 25.0 mL/mx 3.75 mL/mx	- 1443.9 mL	108	213	303
9	NO PRE LIBERTY IMPACT PROWL H2O INDUCE	2.34 SL 2.8 SC 3.8 SC		32.0 oz/a 1.25 oz/a 32.0 oz/a 0.25 % v/v		POST B POST B POST B POST B		15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	25.0 mL/mx 0.9766 mL/mx 25.0 mL/mx 3.75 mL/mx	- 1445.3 mL	109	210	308
10	NO PRE LIBERTY SHIELDDEX PROWL H2O INDUCE	2.34 SL 3.33 SC 3.8 SC		32.0 oz/a 1.35 oz/a 32.0 oz/a 0.25 % v/v		POST B POST B POST B POST B		15 GAL/AC 15 GAL/AC 15 GAL/AC 15 GAL/AC	25.0 mL/mx 1.055 mL/mx 25.0 mL/mx 3.75 mL/mx	- 1445.2 mL	110	202	305
11	DUAL II MAGNUM NO LIBERTY NO HPPD	7.64 EC		16.0 oz/a		PRE	A	15 GPA	12.5 mL/mx	1487.5 mL - -	111	220	301
12	DUAL II MAGNUM NO LIBERTY CALLISTO PROWL H2O INDUCE	7.64 EC 4 SC 3.8 SC		16.0 oz/a 3.0 oz/a 32.0 oz/a 0.25 % v/v		PRE POST B POST B POST B	A	15 GPA 15 GAL/AC 15 GAL/AC 15 GAL/AC	12.5 mL/mx 2.344 mL/mx 25.0 mL/mx 3.75 mL/mx	1487.5 mL - 1468.9 mL	112	209	307

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2	
Trial ID: CN-01-24	Study Dir.: N. SHAY/GA CORN COMMISSION
Location: PONDER FARM	Investigator: Eric P. Prostko

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
13	DUAL II MAGNUM NO LIBERTY	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	113	203	311
	LAUDIS	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx	-			
	PROWL H2O	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx	1468.9 mL			
	INDUCE			0.25	% v/v	POST	B	15 GAL/AC	3.75 mL/mx				
14	DUAL II MAGNUM NO LIBERTY	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	114	208	313
	IMPACT	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx	-			
	PROWL H2O	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx	1470.3 mL			
	INDUCE			0.25	% v/v	POST	B	15 GAL/AC	3.75 mL/mx				
15	DUAL II MAGNUM NO LIBERTY	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	115	207	312
	SHIELDEX	3.33	SC	1.35	oz/a	POST	B	15 GAL/AC	1.055 mL/mx	-			
	PROWL H2O	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx	1470.2 mL			
	INDUCE			0.25	% v/v	POST	B	15 GAL/AC	3.75 mL/mx				
16	DUAL II MAGNUM LIBERTY NO HPPD	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	116	211	320
		2.34	SL	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx	1475 mL			
										-			
17	DUAL II MAGNUM LIBERTY	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	117	214	309
	CALLISTO	2.34	SL	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx	1443.9 mL			
	PROWL H2O	4	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx				
	INDUCE	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx				
				0.25	% v/v	POST	B	15 GAL/AC	3.75 mL/mx				
18	DUAL II MAGNUM LIBERTY	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	118	204	306
	LAUDIS	2.34	SL	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx	1443.9 mL			
	PROWL H2O	3.5	SC	3.0	oz/a	POST	B	15 GAL/AC	2.344 mL/mx				
	INDUCE	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx				
				0.25	% v/v	POST	B	15 GAL/AC	3.75 mL/mx				
19	DUAL II MAGNUM LIBERTY	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	119	212	319
	IMPACT	2.34	SL	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx	1445.3 mL			
	PROWL H2O	2.8	SC	1.25	oz/a	POST	B	15 GAL/AC	0.9766 mL/mx				
	INDUCE	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx				
				0.25	% v/v	POST	B	15 GAL/AC	3.75 mL/mx				
20	DUAL II MAGNUM LIBERTY	7.64	EC	16.0	oz/a	PRE	A	15 GPA	12.5 mL/mx	1487.5 mL	120	201	316
	SHIELDEX	2.34	SL	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx	1445.2 mL			
	PROWL H2O	3.33	SC	1.35	oz/a	POST	B	15 GAL/AC	1.055 mL/mx				
	INDUCE	3.8	SC	32.0	oz/a	POST	B	15 GAL/AC	25.0 mL/mx				
				0.25	% v/v	POST	B	15 GAL/AC	3.75 mL/mx				

Trial Comments
WHERE A PRE HERBICIDE WAS APPLIED, POST APPLICATION WAS DELAYED BY 6 DAYS COMPARED TO NO PRE.
HARVEST DATE: 08/29/24 HARVEST MOISTURE: 14.85% YIELDS ADJUSTED TO 15.5%
<u>SUMMARY:</u>
1)CALLISTO WAS MORE EFFECTIVE ON WILD RADISH THAN THE OTHER HPPD HERBICIDES.
2) GENERALLY, WHEN DUAL II MAGNUM WAS APPLIED PRE, THERE WAS NO BENEFIT TO APPLYING LIBERTY IN A TANK-MIX WITH THE HPPD HERBICIDES.
3) IN SOME CASES, WHEN NO PRE WAS APPLIED, WEEC CONTROL WITH HPPD HERBICIDES WAS IMPROVED WITH LIBERTY TANK-MIX.

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4) FOR CORN YIELD THERE WAS NOT AN INTERACTION BETWEEN PRE/LIBERTY/HPPD HERBICDE. PLOTS TREATED WITH DUAL II MAGNUM HAD LOWER YIELDS THAN WHEN NOT TREATED (AVERAGED OVER LIBERTY AND HPPD MAIN FACTORS).

GENERAL TRIAL INFORMATION

Study Director: NICK SHAY 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/CROW/GOOSE/SANDBUR

Crop 1: ZEAMA FIELD CORN Variety: PIONEER 2042VYHR
Planting Date: Apr-1-24 Planting Method: MONOSEM VACUUM
Rate: 33880 SEED/A Depth: 1.5 IN Perennial Age: _____
Row Spacing: 36 IN Spacing Within Row: _____ Seed Bed: _____
Soil Temperature: _____ Soil Moisture: OPTIMUM Emergence Date: _____

SITE AND DESIGN

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

Trial Initiation Comments: _____

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YEAR 2
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION
Location: PONDER FARM Investigator: Eric P. Prostko

	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

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

SOIL DESCRIPTION
% Sand: 94 % OM: 0.64 Texture: SAND
% Silt: 4 pH: 7.0 Soil Name: TIFTON
% 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		0.75	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		
20.	Jun-17-24		0.4	IN	SPRINKLER - LATERAL MOVE		
21.	Jun-27-24		0.9	IN	RAINFALL		

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

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APPLICATION DESCRIPTION			
	A	B	C
Application Date:	Apr-2-24	Apr-23-24	Apr-29-24
Time of Day:	8:00 AM	7:30 AM	7:30 AM
Application Method:	BROADCAST	BROADCAST	BROADCAST
Application Timing:	PRE	POST -PRE	POST +PRE
Applic. Placement:	SOIL	FOLIAGE	FOLIAGE
Air Temp., Unit:	64 F	46 F	61 F
% Relative Humidity:	99	93	95
Wind Velocity, Unit:	4 MPH	0 MPH	1 MPH
Dew Presence (Y/N):	N	Y	Y
Water Hardness:	--	--	--
Soil Temp., Unit:	62 F	58 F	64 F
Soil Moisture:	OPTIMUM	OPTIMUM	OPTIMUM
% Cloud Cover:	100	0	0

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

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

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Location: PONDER FARM Investigator: Eric P. Prostko	

APPLICATION EQUIPMENT			
	A	B	C
Appl. Equipment:	BACKPACK	SAME AS A	SAME AS A
Operating Pressure:	35		
Nozzle Type:	AIXR		
Nozzle Size:	11002		
Nozzle Spacing, Unit:			
Nozzles/Row:			
Band Width, Unit:			
Boom Length, Unit:	60 IN		
Boom Height, Unit:	20 IN		
Ground Speed, Unit:	3.5 MPH		
Incorporation Equip.:			
Hours to Incorp.:			
Incorp. Depth, Unit:			
Carrier:	WATER		
Spray Volume, Unit:	15 GPA		
Spray pH:			
Propellant:	CO2		
Tank Mix (Y/N):			

Trt No	Treatment Application Comment

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YEAR 2										
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						Zeama	Amapa	Agrass	Rapra	Zeama
Crop Code						Stunting	Control	Control	Control	Stunting
Rating Data Type						%	%	%	%	%
Rating Unit										
Rating Date						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	1	2	3	4
TABLE OF R MEANS										
Replicate 1							0.0	49.5	49.5	17.5
Replicate 2							0.0	49.5	49.5	19.5
Replicate 3							0.0	49.5	49.5	10.0
TABLE OF A (PRE) MEANS										
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 b
2	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	0.0 na	99.0 na	99.0 na	31.3 a
LSD P=.10										
Standard Deviation							0.00	0.00	0.00	16.89
CV							0.00	0.00	0.00	22.40
TABLE OF B (LIBERTY) MEANS										
1	NO LIBERTY						0.0 na	49.5 na	49.5 na	18.0 -
2	LIBERTY	2.34 SL		32.0 oz/a	POST	B	0.0 na	49.5 na	49.5 na	13.3 -
LSD P=.10										
Standard Deviation							0.00	0.00	0.00	14.14
CV							0.00	0.00	0.00	18.75
TABLE OF C (HPPD) MEANS										
1	NO HPPD						0.0 na	49.5 na	49.5 na	16.7 -
2	CALLISTO	4 SC		3.0 oz/a	POST	B	0.0 na	49.5 na	49.5 na	16.7 -
2	PROWL H2O	3.8 SC		32.0 oz/a	POST	B				
2	INDUCE			0.25 % v/v	POST	B				
3	LAUDIS	3.5 SC		3.0 oz/a	POST	B	0.0 na	49.5 na	49.5 na	8.3 -
3	PROWL H2O	3.8 SC		32.0 oz/a	POST	B				
3	INDUCE			0.25 % v/v	POST	B				
4	IMPACT	2.8 SC		1.25 oz/a	POST	B	0.0 na	49.5 na	49.5 na	20.8 -
4	PROWL H2O	3.8 SC		32.0 oz/a	POST	B				
4	INDUCE			0.25 % v/v	POST	B				
5	SHIELDDEX	3.33 SC		1.35 oz/a	POST	B	0.0 na	49.5 na	49.5 na	15.8 -
5	PROWL H2O	3.8 SC		32.0 oz/a	POST	B				
5	INDUCE			0.25 % v/v	POST	B				
LSD P=.10										
Standard Deviation							0.00	0.00	0.00	12.53
CV							0.00	0.00	0.00	16.51
TABLE OF A (PRE) B (LIBERTY) MEANS										
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
1	NO LIBERTY									
2	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	0.0 na	99.0 na	99.0 na	36.0 -
1	NO LIBERTY									
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
2	LIBERTY	2.34 SL		32.0 oz/a	POST	B				
2	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	0.0 na	99.0 na	99.0 na	26.7 -
2	LIBERTY	2.34 SL		32.0 oz/a	POST	B				
LSD P=.10										
Standard Deviation							0.00	0.00	0.00	19.99
CV							0.00	0.00	0.00	18.75

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

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

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Location: PONDER FARM Investigator: Eric P. Prostko										
Weed Code							Zeama	Amapa	Agrass	Rapra
Crop Code							Stunting	Control	Control	Control
Rating Data Type							%	%	%	%
Rating Unit										
Rating Date							Apr-15-24	Apr-15-24	Apr-15-24	Apr-15-24
Trt Treatment										
No. Name							1	2	3	4
Form Form										
Conc Type										
Rate Rate										
Unit Unit										
Stg Stg										
Appl Code										
TABLE OF A (PRE) C (HPPD) MEANS										
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
1	NO HPPD									0.0 -
2	DUAL II MAGNUM	7.64 EC	16.0 oz/a	PRE	A		0.0 na	99.0 na	99.0 na	33.3 -
1	NO HPPD									3.3 -
										94.8 -
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
2	CALLISTO	4 SC	3.0 oz/a	POST	B					0.0 -
2	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					0.0 -
2	INDUCE		0.25 % v/v	POST	B					0.0 -
2	DUAL II MAGNUM	7.64 EC	16.0 oz/a	PRE	A		0.0 na	99.0 na	99.0 na	33.3 -
2	CALLISTO	4 SC	3.0 oz/a	POST	B					1.7 -
2	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					94.2 -
2	INDUCE		0.25 % v/v	POST	B					
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
3	LAUDIS	3.5 SC	3.0 oz/a	POST	B					0.0 -
3	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					0.0 -
3	INDUCE		0.25 % v/v	POST	B					0.0 -
2	DUAL II MAGNUM	7.64 EC	16.0 oz/a	PRE	A		0.0 na	99.0 na	99.0 na	16.7 -
3	LAUDIS	3.5 SC	3.0 oz/a	POST	B					0.0 -
3	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					97.0 -
3	INDUCE		0.25 % v/v	POST	B					
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
4	IMPACT	2.8 SC	1.25 oz/a	POST	B					0.0 -
4	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					0.0 -
4	INDUCE		0.25 % v/v	POST	B					0.0 -
2	DUAL II MAGNUM	7.64 EC	16.0 oz/a	PRE	A		0.0 na	99.0 na	99.0 na	41.7 -
4	IMPACT	2.8 SC	1.25 oz/a	POST	B					5.0 -
4	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					94.7 -
4	INDUCE		0.25 % v/v	POST	B					
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
5	SHIELDDEX	3.33 SC	1.35 oz/a	POST	B					0.0 -
5	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					0.0 -
5	INDUCE		0.25 % v/v	POST	B					0.0 -
2	DUAL II MAGNUM	7.64 EC	16.0 oz/a	PRE	A		0.0 na	99.0 na	99.0 na	31.7 -
5	SHIELDDEX	3.33 SC	1.35 oz/a	POST	B					1.7 -
5	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					96.3 -
5	INDUCE		0.25 % v/v	POST	B					
LSD P=.10										
Standard Deviation							0.00	0.00	0.00	17.72
CV							0.00	0.00	0.00	2.30
										16.51
										2.14
										183.50
										3.30
TABLE OF B (LIBERTY) C (HPPD) MEANS										
1	NO LIBERTY						0.0 na	49.5 na	49.5 na	16.7 -
1	NO HPPD									1.7 -
										46.7 -
2	LIBERTY	2.34 SL	32.0 oz/a	POST	B		0.0 na	49.5 na	49.5 na	16.7 -
1	NO HPPD									1.7 -
										48.2 -
1	NO LIBERTY						0.0 na	49.5 na	49.5 na	8.3 -
2	CALLISTO	4 SC	3.0 oz/a	POST	B					1.7 -
2	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					45.8 -
2	INDUCE		0.25 % v/v	POST	B					

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2										
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						Zeama	Amapa	Agrass	Rapra	Zeama
Crop Code						Stunting	Control	Control	Control	Stunting
Rating Data Type						%	%	%	%	%
Rating Unit										
Rating Date						Apr-15-24	Apr-15-24	Apr-15-24	Apr-15-24	Apr-22-24
Trt Treatment						1	2	3	4	5
No.	Name	Form	Form	Rate	Grow					
		Conc	Type	Unit	Stg					
					Code					6
2	LIBERTY	2.34	SL	32.0 oz/a	POST B	0.0 na	49.5 na	49.5 na	25.0 -	0.0 -
2	CALLISTO	4	SC	3.0 oz/a	POST B					48.3 -
2	PROWL H2O	3.8	SC	32.0 oz/a	POST B					
2	INDUCE			0.25 % v/v	POST B					
1	NO LIBERTY					0.0 na	49.5 na	49.5 na	16.7 -	0.0 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST B					48.2 -
3	PROWL H2O	3.8	SC	32.0 oz/a	POST B					
3	INDUCE			0.25 % v/v	POST B					
2	LIBERTY	2.34	SL	32.0 oz/a	POST B	0.0 na	49.5 na	49.5 na	0.0 -	0.0 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST B					48.8 -
3	PROWL H2O	3.8	SC	32.0 oz/a	POST B					
3	INDUCE			0.25 % v/v	POST B					
1	NO LIBERTY					0.0 na	49.5 na	49.5 na	25.0 -	1.7 -
4	IMPACT	2.8	SC	1.25 oz/a	POST B					45.8 -
4	PROWL H2O	3.8	SC	32.0 oz/a	POST B					
4	INDUCE			0.25 % v/v	POST B					
2	LIBERTY	2.34	SL	32.0 oz/a	POST B	0.0 na	49.5 na	49.5 na	16.7 -	3.3 -
4	IMPACT	2.8	SC	1.25 oz/a	POST B					48.8 -
4	PROWL H2O	3.8	SC	32.0 oz/a	POST B					
4	INDUCE			0.25 % v/v	POST B					
1	NO LIBERTY					0.0 na	49.5 na	49.5 na	23.3 -	0.0 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST B					47.5 -
5	PROWL H2O	3.8	SC	32.0 oz/a	POST B					
5	INDUCE			0.25 % v/v	POST B					
2	LIBERTY	2.34	SL	32.0 oz/a	POST B	0.0 na	49.5 na	49.5 na	8.3 -	1.7 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST B					48.8 -
5	PROWL H2O	3.8	SC	32.0 oz/a	POST B					
5	INDUCE			0.25 % v/v	POST B					
LSD P=.10									21.29	3.32
Standard Deviation						0.00	0.00	0.00	19.83	3.10
CV						0.00	0.00	0.00	126.59	265.35
TABLE OF A (PRE) B (LIBERTY) C (HPPD) MEANS										
1	NO PRE					0.0 na	0.0 na	0.0 na	0.0 -	0.0 -
1	NO LIBERTY									
1	NO HPPD									
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	0.0 na	99.0 na	99.0 na	33.3 -	3.3 -
1	NO LIBERTY									93.3 -
1	NO HPPD									
1	NO PRE					0.0 na	0.0 na	0.0 na	0.0 -	0.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST B					
1	NO HPPD									
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	0.0 na	99.0 na	99.0 na	33.3 -	3.3 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST B					96.3 -
1	NO HPPD									
1	NO PRE					0.0 na	0.0 na	0.0 na	0.0 -	0.0 -
1	NO LIBERTY									
2	CALLISTO	4	SC	3.0 oz/a	POST B					
2	PROWL H2O	3.8	SC	32.0 oz/a	POST B					
2	INDUCE			0.25 % v/v	POST B					

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP										
YEAR 2										
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION										
Location: PONDER FARM Investigator: Eric P. Prostko										
Weed Code							Zeama	Amapa	Agrass	Rapra
Crop Code							Stunting	Control	Control	Control
Rating Data Type							%	%	%	%
Rating Unit										
Rating Date							Apr-15-24	Apr-15-24	Apr-15-24	Apr-15-24
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Unit	Stg	Code	1	2	3	4
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 na	99.0 na	99.0 na	16.7 -
1	NO LIBERTY									3.3 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B				91.7 -
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
2	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				0.0 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B				0.0 -
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				0.0 -
2	INDUCE			0.25 % v/v	POST	B				0.0 -
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 na	99.0 na	99.0 na	50.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				0.0 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B				96.7 -
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
2	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
1	NO LIBERTY									0.0 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				0.0 -
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				0.0 -
3	INDUCE			0.25 % v/v	POST	B				0.0 -
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 na	99.0 na	99.0 na	33.3 -
1	NO LIBERTY									0.0 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				96.3 -
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
3	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				0.0 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				0.0 -
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				0.0 -
3	INDUCE			0.25 % v/v	POST	B				0.0 -
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 na	99.0 na	99.0 na	0.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				0.0 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				97.7 -
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
3	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
1	NO LIBERTY									0.0 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B				0.0 -
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				0.0 -
4	INDUCE			0.25 % v/v	POST	B				0.0 -
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 na	99.0 na	99.0 na	50.0 -
1	NO LIBERTY									3.3 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B				91.7 -
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
4	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				0.0 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B				0.0 -
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				0.0 -
4	INDUCE			0.25 % v/v	POST	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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP										
YEAR 2										
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION										
Location: PONDER FARM Investigator: Eric P. Prostko										
Weed Code						Zeama		Amapa	Agrass	Rapra
Crop Code						Stunting		Control	Control	Control
Rating Data Type						%		%	%	%
Rating Unit										
Rating Date						Apr-15-24		Apr-15-24	Apr-15-24	Apr-15-24
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Unit	Stg	Code	1	2	3	4
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 na	99.0 na	99.0 na	33.3 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				6.7 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B				97.7 -
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
4	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
1	NO LIBERTY									
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B				
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
5	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 na	99.0 na	99.0 na	46.7 -
1	NO LIBERTY									0.0 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B				
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
5	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						0.0 na	0.0 na	0.0 na	0.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B				
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
5	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 na	99.0 na	99.0 na	16.7 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				3.3 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B				97.7 -
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
5	INDUCE			0.25 % v/v	POST	B				
LSD P=.10									30.11	4.70
Standard Deviation							0.00	0.00	0.00	19.83
CV							0.00	0.00	0.00	126.59
										265.35
										4.42

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2										
Trial ID: CN-01-24			Study Dir.: N. SHAY/GA CORN COMMISSION							
Location: PONDER FARM			Investigator: Eric P. Prostko							
Weed Code						Agrass	Rapra	Zeama	Zeama	Amapa
Crop Code						Control	Control	Stunting	Bleaching	Control
Rating Data Type						%	%	%	%	%
Rating Unit						Apr-22-24	Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24
Rating Date										
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No. Name		Conc	Type	Rate	Unit	Stg	Code			
							7	8	9	10
										11
										12
TABLE OF R MEANS										
Replicate 1							48.7	15.3	3.0	2.0
Replicate 2							48.7	16.0	4.5	2.3
Replicate 3							47.5	4.0	2.8	1.5
TABLE OF A (PRE) MEANS										
1 NO PRE							0.0 b	0.0 b	2.5 -	2.7 a
2 DUAL II MAGNUM 7.64 EC 16.0 oz/a PRE A							96.6 a	23.5 a	4.3 -	1.2 b
LSD P=.10							2.34	22.67	2.12	0.84
Standard Deviation							3.10	30.06	2.81	1.12
CV							6.41	255.85	82.35	58.33
TABLE OF B (LIBERTY) MEANS										
1 NO LIBERTY							48.2 -	11.3 -	2.3 -	2.0 -
2 LIBERTY 2.34 SL 32.0 oz/a POST B							48.4 -	12.2 -	4.5 -	1.8 -
LSD P=.10							2.06	11.81	3.98	0.49
Standard Deviation							2.73	15.67	5.28	0.65
CV							5.66	133.33	154.64	33.68
TABLE OF C (HPPD) MEANS										
1 NO HPPD							48.2 -	10.0 -	1.7 -	0.4 c
2 CALLISTO 4 SC 3.0 oz/a POST B							48.2 -	17.1 -	3.3 -	1.7 bc
2 PROWL H2O 3.8 SC 32.0 oz/a POST B										2.5 -
2 INDUCE 0.25 % v/v POST B										
3 LAUDIS 3.5 SC 3.0 oz/a POST B							48.5 -	4.2 -	3.3 -	1.7 bc
3 PROWL H2O 3.8 SC 32.0 oz/a POST B										0.8 -
3 INDUCE 0.25 % v/v POST B										
4 IMPACT 2.8 SC 1.25 oz/a POST B							48.2 -	15.4 -	5.4 -	3.3 a
4 PROWL H2O 3.8 SC 32.0 oz/a POST B										1.3 -
4 INDUCE 0.25 % v/v POST B										
5 SHIELDDEX 3.33 SC 1.35 oz/a POST B							48.5 -	12.1 -	3.3 -	2.5 ab
5 PROWL H2O 3.8 SC 32.0 oz/a POST B										0.8 -
5 INDUCE 0.25 % v/v POST B										
LSD P=.10							0.96	11.38	3.26	1.61
Standard Deviation							1.26	14.99	4.29	2.12
CV							2.62	127.54	125.67	110.42
TABLE OF A (PRE) B (LIBERTY) MEANS										
1 NO PRE							0.0 -	0.0 -	2.0 -	2.0 ab
1 NO LIBERTY										0.3 -
2 DUAL II MAGNUM 7.64 EC 16.0 oz/a PRE A							96.3 -	22.7 -	2.7 -	2.0 ab
1 NO LIBERTY										1.3 -
1 NO PRE							0.0 -	0.0 -	3.0 -	3.3 a
2 LIBERTY 2.34 SL 32.0 oz/a POST B										1.0 -
2 DUAL II MAGNUM 7.64 EC 16.0 oz/a PRE A							96.9 -	24.3 -	6.0 -	0.3 b
2 LIBERTY 2.34 SL 32.0 oz/a POST B										2.3 -
LSD P=.10							2.91	16.70	3.83	2.06
Standard Deviation							2.73	15.67	3.59	1.94
CV							5.66	133.33	105.19	101.03

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP											
YEAR 2											
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION											
Location: PONDER FARM Investigator: Eric P. Prostko											
Weed Code							Agrass	Rapra	Zeama	Zeama	Amapa
Crop Code							Control	Control	Stunting	Bleaching	Control
Rating Data Type							%	%	%	%	%
Rating Unit							Apr-22-24	Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24
Rating Date											
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Unit	Stg	Code	7	8	9	10	11
TABLE OF A (PRE) C (HPPD) MEANS											
1	NO PRE						0.0 -	0.0 -	0.8 -	0.8 -	0.0 -
1	NO HPPD										47.5 d
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	20.0 -	2.5 -	0.0 -	1.7 -
1	NO HPPD										90.8 bc
1	NO PRE						0.0 -	0.0 -	0.8 -	2.5 -	2.5 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B					90.8 bc
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
2	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	34.2 -	5.8 -	0.8 -	2.5 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B					92.5 abc
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
2	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						0.0 -	0.0 -	4.2 -	2.5 -	0.0 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B					93.3 ab
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
3	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	97.0 -	8.3 -	2.5 -	0.8 -	1.7 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B					89.2 c
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
3	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						0.0 -	0.0 -	3.3 -	4.2 -	0.0 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B					95.7 a
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
4	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	30.8 -	7.5 -	2.5 -	2.5 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B					91.7 bc
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
4	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						0.0 -	0.0 -	3.3 -	3.3 -	0.8 -
5	SHIELDDEX	3.33	SC	1.35 oz/a	POST	B					95.7 a
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
5	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	97.0 -	24.2 -	3.3 -	1.7 -	0.8 -
5	SHIELDDEX	3.33	SC	1.35 oz/a	POST	B					90.0 bc
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
5	INDUCE			0.25 % v/v	POST	B					
LSD P=.10							1.36	16.09	4.40	3.41	3.57
Standard Deviation							1.26	14.99	4.10	3.18	3.33
CV							2.62	127.54	119.86	165.85	3.79
TABLE OF B (LIBERTY) C (HPPD) MEANS											
1	NO LIBERTY						48.2 -	0.0 -	0.8 -	0.0 -	0.0 -
1	NO HPPD										45.8 c
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B	48.2 -	20.0 -	2.5 -	0.8 -	1.7 -
1	NO HPPD										92.5 ab
1	NO LIBERTY						48.2 -	10.0 -	3.3 -	2.5 -	1.7 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B					93.3 ab
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
2	INDUCE			0.25 % v/v	POST	B					

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2										
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						Agrass	Rapra	Zeama	Zeama	Amapa
Crop Code						Control	Control	Stunting	Bleaching	Control
Rating Data Type						%	%	%	%	%
Rating Unit						Apr-22-24	Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24
Rating Date						Apr-22-24	Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Unit	Stg	Code	7	8	9	10
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		48.2 -	24.2 -	3.3 -	0.8 -
2	CALLISTO	4	SC	3.0 oz/a	POST B					3.3 -
2	PROWL H2O	3.8	SC	32.0 oz/a	POST B					90.0 b
2	INDUCE			0.25 % v/v	POST B					
1	NO LIBERTY						48.2 -	8.3 -	1.7 -	1.7 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST B					0.8 -
3	PROWL H2O	3.8	SC	32.0 oz/a	POST B					90.0 b
3	INDUCE			0.25 % v/v	POST B					
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		48.8 -	0.0 -	5.0 -	1.7 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST B					0.8 -
3	PROWL H2O	3.8	SC	32.0 oz/a	POST B					92.5 ab
3	INDUCE			0.25 % v/v	POST B					
1	NO LIBERTY						48.2 -	19.2 -	3.3 -	3.3 -
4	IMPACT	2.8	SC	1.25 oz/a	POST B					0.8 -
4	PROWL H2O	3.8	SC	32.0 oz/a	POST B					91.7 ab
4	INDUCE			0.25 % v/v	POST B					
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		48.2 -	11.7 -	7.5 -	3.3 -
4	IMPACT	2.8	SC	1.25 oz/a	POST B					1.7 -
4	PROWL H2O	3.8	SC	32.0 oz/a	POST B					95.7 a
4	INDUCE			0.25 % v/v	POST B					
1	NO LIBERTY						48.2 -	19.2 -	2.5 -	2.5 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST B					0.8 -
5	PROWL H2O	3.8	SC	32.0 oz/a	POST B					91.7 ab
5	INDUCE			0.25 % v/v	POST B					
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		48.8 -	5.0 -	4.2 -	2.5 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST B					0.8 -
5	PROWL H2O	3.8	SC	32.0 oz/a	POST B					94.0 ab
5	INDUCE			0.25 % v/v	POST B					
LSD P=.10							0.96	22.76	2.96	2.88
Standard Deviation							0.89	21.20	2.76	2.68
CV							1.85	180.45	80.71	139.88
TABLE OF A (PRE) B (LIBERTY) C (HPPD) MEANS										
1	NO PRE						0.0 -	0.0 -	0.0 -	0.0 -
1	NO LIBERTY									0.0 e
1	NO HPPD									
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	0.0 -	1.7 -	0.0 -
1	NO LIBERTY									91.7 a-d
1	NO HPPD									
1	NO PRE						0.0 -	0.0 -	1.7 -	1.7 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST B					0.0 -
1	NO HPPD									95.0 ab
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	40.0 -	3.3 -	0.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST B					3.3 -
1	NO HPPD									90.0 bcd
1	NO PRE						0.0 -	0.0 -	1.7 -	3.3 -
1	NO LIBERTY									0.0 -
2	CALLISTO	4	SC	3.0 oz/a	POST B					93.3 abc
2	PROWL H2O	3.8	SC	32.0 oz/a	POST B					
2	INDUCE			0.25 % v/v	POST B					

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2											
Trial ID: CN-01-24			Study Dir.: N. SHAY/GA CORN COMMISSION								
Location: PONDER FARM			Investigator: Eric P. Prostko								
Weed Code							Agrass	Rapra	Zeama	Zeama	Amapa
Crop Code							Control	Control	Stunting	Bleaching	Control
Rating Data Type							%	%	%	%	%
Rating Unit											
Rating Date							Apr-22-24	Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Unit	Stg	Code	7	8	9	10	11
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	20.0 -	5.0 -	1.7 -	3.3 -
1	NO LIBERTY										93.3 abc
2	CALLISTO	4	SC	3.0 oz/a	POST	B					
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
2	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						0.0 -	0.0 -	0.0 -	1.7 -	5.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					88.3 cd
2	CALLISTO	4	SC	3.0 oz/a	POST	B					
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
2	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	48.3 -	6.7 -	0.0 -	1.7 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					91.7 a-d
2	CALLISTO	4	SC	3.0 oz/a	POST	B					
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
2	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						0.0 -	0.0 -	1.7 -	1.7 -	0.0 -
1	NO LIBERTY										93.3 abc
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B					
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
3	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	16.7 -	1.7 -	1.7 -	1.7 -
1	NO LIBERTY										86.7 d
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B					
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
3	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						0.0 -	0.0 -	6.7 -	3.3 -	0.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					93.3 abc
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B					
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
3	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	97.7 -	0.0 -	3.3 -	0.0 -	1.7 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					91.7 a-d
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B					
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
3	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						0.0 -	0.0 -	1.7 -	3.3 -	0.0 -
1	NO LIBERTY										95.0 ab
4	IMPACT	2.8	SC	1.25 oz/a	POST	B					
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
4	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	38.3 -	5.0 -	3.3 -	1.7 -
1	NO LIBERTY										88.3 cd
4	IMPACT	2.8	SC	1.25 oz/a	POST	B					
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
4	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						0.0 -	0.0 -	5.0 -	5.0 -	0.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					96.3 a
4	IMPACT	2.8	SC	1.25 oz/a	POST	B					
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
4	INDUCE			0.25 % v/v	POST	B					

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP												
YEAR 2												
Trial ID: CN-01-24			Study Dir.: N. SHAY/GA CORN COMMISSION									
Location: PONDER FARM			Investigator: Eric P. Prostko									
Weed Code							Agrass	Rapra	Zeama	Zeama	Zeama	Amapa
Crop Code							Control	Control	Stunting	Bleaching	Necrosis	Control
Rating Data Type							%	%	%	%	%	%
Rating Unit							Apr-22-24	Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24	Apr-29-24
Rating Date												
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	23.3 -	10.0 -	1.7 -	3.3 -	95.0 ab
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B						
4	IMPACT	2.8	SC	1.25 oz/a	POST	B						
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B						
4	INDUCE			0.25 % v/v	POST	B						
1	NO PRE						0.0 -	0.0 -	5.0 -	1.7 -	1.7 -	95.0 ab
1	NO LIBERTY											
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B						
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B						
5	INDUCE			0.25 % v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	38.3 -	0.0 -	3.3 -	0.0 -	88.3 cd
1	NO LIBERTY											
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B						
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B						
5	INDUCE			0.25 % v/v	POST	B						
1	NO PRE						0.0 -	0.0 -	1.7 -	5.0 -	0.0 -	96.3 a
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B						
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B						
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B						
5	INDUCE			0.25 % v/v	POST	B						
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	97.7 -	10.0 -	6.7 -	0.0 -	1.7 -	91.7 a-d
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B						
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B						
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B						
5	INDUCE			0.25 % v/v	POST	B						
LSD P=.10							1.36	32.19	4.62	4.13	3.73	5.79
Standard Deviation							0.89	21.20	3.04	2.72	2.46	3.81
CV							1.85	180.45	89.12	141.89	196.64	4.34

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP										
YEAR 2										
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code						Rapra	Agrass	Molve	Zeama	Amapa
Crop Code						Control	Control	Control	Zeama	Zeama
Rating Data Type						%	%	%	Stunting	Bleaching
Rating Unit									%	%
Rating Date						Apr-29-24	Apr-29-24	Apr-29-24	May-9-24	May-9-24
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No. Name		Conc	Type	Rate Unit	Stg	Code	13	14	15	16
TABLE OF R MEANS										
Replicate 1							24.5	90.0	44.4	4.3
Replicate 2							25.3	90.3	44.6	7.3
Replicate 3							26.5	89.5	49.5	4.5
TABLE OF A (PRE) MEANS										
1 NO PRE							50.8 a	85.1 b	89.0 a	3.7 -
2 DUAL II MAGNUM 7.64 EC 16.0 oz/a PRE A							0.0 b	94.7 a	3.3 b	7.0 -
LSD P=.10							3.41	0.85	9.45	5.08
Standard Deviation							4.52	1.13	12.53	6.74
CV							17.78	1.25	27.16	126.36
TABLE OF B (LIBERTY) MEANS										
1 NO LIBERTY							25.0 -	85.0 b	39.6 b	3.2 b
2 LIBERTY 2.34 SL 32.0 oz/a POST B							25.8 -	94.8 a	52.7 a	7.5 a
LSD P=.10							4.64	1.59	9.84	3.80
Standard Deviation							6.16	2.11	13.05	5.04
CV							24.23	2.35	28.28	94.53
TABLE OF C (HPPD) MEANS										
1 NO HPPD							5.0 b	71.6 c	24.8 b	2.9 -
2 CALLISTO 4 SC 3.0 oz/a POST B							31.7 a	93.8 b	57.4 a	6.3 -
2 PROWL H2O 3.8 SC 32.0 oz/a POST B										
2 INDUCE 0.25 % v/v POST B										
3 LAUDIS 3.5 SC 3.0 oz/a POST B							30.8 a	94.6 ab	49.5 a	5.4 -
3 PROWL H2O 3.8 SC 32.0 oz/a POST B										
3 INDUCE 0.25 % v/v POST B										
4 IMPACT 2.8 SC 1.25 oz/a POST B							30.0 a	94.6 ab	49.5 a	7.5 -
4 PROWL H2O 3.8 SC 32.0 oz/a POST B										
4 INDUCE 0.25 % v/v POST B										
5 SHIELDDEX 3.33 SC 1.35 oz/a POST B							29.6 a	94.9 a	49.5 a	4.6 -
5 PROWL H2O 3.8 SC 32.0 oz/a POST B										
5 INDUCE 0.25 % v/v POST B										
LSD P=.10							4.11	1.11	9.90	3.02
Standard Deviation							5.41	1.46	13.05	3.98
CV							21.29	1.63	28.28	74.61
TABLE OF A (PRE) B (LIBERTY) MEANS										
1 NO PRE							50.0 -	74.9 b	79.2 -	2.0 -
1 NO LIBERTY										
2 DUAL II MAGNUM 7.64 EC 16.0 oz/a PRE A							0.0 -	95.0 a	0.0 -	4.3 -
1 NO LIBERTY										
1 NO PRE							51.7 -	95.3 a	98.7 -	5.3 -
2 LIBERTY 2.34 SL 32.0 oz/a POST B										
2 DUAL II MAGNUM 7.64 EC 16.0 oz/a PRE A							0.0 -	94.3 a	6.6 -	9.7 -
2 LIBERTY 2.34 SL 32.0 oz/a POST B										
LSD P=.10							6.57	2.08	13.36	3.15
Standard Deviation							6.16	1.95	12.53	2.96
CV							24.23	2.17	27.16	55.46

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP										
YEAR 2										
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION										
Location: PONDER FARM Investigator: Eric P. Prostko										
Weed Code							Rapra	Agrass	Molve	Amapa
Crop Code							Control	Control	Control	Zeama
Rating Data Type							%	%	%	Stunting
Rating Unit							%	%	%	Bleaching
Rating Date							Apr-29-24	Apr-29-24	Apr-29-24	May-9-24
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No. Name		Conc	Type	Unit	Stg	Code	13	14	15	17
TABLE OF A (PRE) C (HPPD) MEANS										18
1	NO PRE						10.0 b	48.2 c	49.5 b	0.8 -
1	NO HPPD									0.0 b
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 c	95.0 ab	0.0 d	3.3 a
1	NO HPPD									92.3 b
1	NO PRE						63.3 a	93.3 b	98.3 a	2.5 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B				0.8 b
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				92.2 b
2	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 c	94.2 ab	16.5 c	10.0 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B				2.5 a
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				98.3 a
2	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						61.7 a	94.2 ab	99.0 a	5.8 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				0.8 b
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				97.0 a
3	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 c	95.0 ab	0.0 d	5.0 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				0.8 b
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				99.0 a
3	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						60.0 a	94.2 ab	99.0 a	5.8 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B				0.0 b
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				97.5 a
4	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 c	95.0 ab	0.0 d	9.2 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B				0.8 b
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				98.3 a
4	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						59.2 a	95.7 a	99.0 a	3.3 -
5	SHIELDDEX	3.33	SC	1.35 oz/a	POST	B				2.5 a
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				97.7 a
5	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 c	94.2 ab	0.0 d	5.8 -
5	SHIELDDEX	3.33	SC	1.35 oz/a	POST	B				2.5 a
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				99.0 a
5	INDUCE			0.25 % v/v	POST	B				
LSD P=.10							5.81	1.94	13.45	5.96
Standard Deviation							5.41	1.81	12.53	5.55
CV							21.29	2.01	27.16	104.11
TABLE OF B (LIBERTY) C (HPPD) MEANS										
1	NO LIBERTY						0.0 c	47.5 c	0.0 c	0.8 -
1	NO HPPD									0.8 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B	10.0 b	95.7 a	49.5 b	5.0 -
1	NO HPPD									2.5 -
1	NO LIBERTY						32.5 a	93.3 b	49.5 b	4.2 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B				0.8 -
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				93.0 b
2	INDUCE			0.25 % v/v	POST	B				

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2												
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Rapra Control % Apr-29-24	Agrass Control % Apr-29-24	Molve Control % Apr-29-24	Zeama Stunting % May-9-24	Zeama Bleaching % May-9-24	Amapa Control % May-9-24
Trt	Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	13	14	15	16	17	18
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		30.8 a	94.2 ab	65.3 a	8.3 -	2.5 -	97.5 a
2	CALLISTO	4	SC	3.0 oz/a	POST B							
2	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
2	INDUCE			0.25 % v/v	POST B							
1	NO LIBERTY						30.8 a	94.2 ab	49.5 b	4.2 -	0.8 -	98.3 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST B							
3	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
3	INDUCE			0.25 % v/v	POST B							
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		30.8 a	95.0 ab	49.5 b	6.7 -	0.8 -	97.7 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST B							
3	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
3	INDUCE			0.25 % v/v	POST B							
1	NO LIBERTY						30.8 a	94.2 ab	49.5 b	4.2 -	0.0 -	98.3 a
4	IMPACT	2.8	SC	1.25 oz/a	POST B							
4	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
4	INDUCE			0.25 % v/v	POST B							
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		29.2 a	95.0 ab	49.5 b	10.8 -	0.8 -	97.5 a
4	IMPACT	2.8	SC	1.25 oz/a	POST B							
4	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
4	INDUCE			0.25 % v/v	POST B							
1	NO LIBERTY						30.8 a	95.7 a	49.5 b	2.5 -	1.7 -	98.3 a
5	SHIELDEX	3.33	SC	1.35 oz/a	POST B							
5	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
5	INDUCE			0.25 % v/v	POST B							
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		28.3 a	94.2 ab	49.5 b	6.7 -	3.3 -	98.3 a
5	SHIELDEX	3.33	SC	1.35 oz/a	POST B							
5	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
5	INDUCE			0.25 % v/v	POST B							
LSD P=.10							5.13	1.69	14.01	5.07	3.95	2.90
Standard Deviation							4.78	1.57	13.05	4.72	3.68	2.70
CV							18.79	1.75	28.28	88.53	259.76	2.94
TABLE OF A (PRE) B (LIBERTY) C (HPPD) MEANS												
1	NO PRE						0.0 d	0.0 d	0.0 c	0.0 -	0.0 -	0.0 c
1	NO LIBERTY											
1	NO HPPD											
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 d	95.0 ab	0.0 c	1.7 -	1.7 -	88.3 b
1	NO LIBERTY											
1	NO HPPD											
1	NO PRE						20.0 c	96.3 a	99.0 a	1.7 -	0.0 -	96.0 a
2	LIBERTY	2.34	SL	32.0 oz/a	POST B							
1	NO HPPD											
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 d	95.0 ab	0.0 c	8.3 -	5.0 -	96.3 a
2	LIBERTY	2.34	SL	32.0 oz/a	POST B							
1	NO HPPD											
1	NO PRE						65.0 a	91.7 c	99.0 a	0.0 -	0.0 -	88.3 b
1	NO LIBERTY											
2	CALLISTO	4	SC	3.0 oz/a	POST B							
2	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
2	INDUCE			0.25 % v/v	POST B							

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP											
YEAR 2											
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION											
Location: PONDER FARM Investigator: Eric P. Prostko											
Weed Code						Rapra	Agrass	Molve	Zeama	Zeama	Amapa
Crop Code						Control	Control	Control	Stunting	Bleaching	Control
Rating Data Type						%	%	%	%	%	%
Rating Unit						Apr-29-24	Apr-29-24	Apr-29-24	May-9-24	May-9-24	May-9-24
Rating Date											
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Unit	Stg	Code	13	14	15	16	17
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 d	95.0 ab	0.0 c	8.3 -	1.7 -
1	NO LIBERTY										97.7 a
2	CALLISTO	4	SC	3.0 oz/a	POST	B					
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
2	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						61.7 ab	95.0 ab	97.7 a	5.0 -	1.7 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					96.0 a
2	CALLISTO	4	SC	3.0 oz/a	POST	B					
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
2	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 d	93.3 bc	33.0 b	11.7 -	3.3 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					99.0 a
2	CALLISTO	4	SC	3.0 oz/a	POST	B					
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
2	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						61.7 ab	93.3 bc	99.0 a	3.3 -	0.0 -
1	NO LIBERTY										97.7 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B					
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
3	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 d	95.0 ab	0.0 c	5.0 -	1.7 -
1	NO LIBERTY										99.0 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B					
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
3	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						61.7 ab	95.0 ab	99.0 a	8.3 -	1.7 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					96.3 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B					
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
3	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 d	95.0 ab	0.0 c	5.0 -	0.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					99.0 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B					
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
3	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						61.7 ab	93.3 bc	99.0 a	3.3 -	0.0 -
1	NO LIBERTY										99.0 a
4	IMPACT	2.8	SC	1.25 oz/a	POST	B					
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
4	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 d	95.0 ab	0.0 c	5.0 -	0.0 -
1	NO LIBERTY										97.7 a
4	IMPACT	2.8	SC	1.25 oz/a	POST	B					
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
4	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						58.3 ab	95.0 ab	99.0 a	8.3 -	0.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					96.0 a
4	IMPACT	2.8	SC	1.25 oz/a	POST	B					
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
4	INDUCE			0.25 % v/v	POST	B					

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP										
YEAR 2										
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION										
Location: PONDER FARM Investigator: Eric P. Prostko										
Weed Code						Rapra	Agrass	Molve	Zeama	Amapa
Crop Code						Control	Control	Control	Zeama	Zeama
Rating Data Type						%	%	%	Stunting	Bleaching
Rating Unit									%	%
Rating Date						Apr-29-24	Apr-29-24	Apr-29-24	May-9-24	May-9-24
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Unit	Stg	Code	13	14	15	16
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 d	95.0 ab	0.0 c	13.3 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				1.7 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B				99.0 a
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
4	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						61.7 ab	96.3 a	99.0 a	3.3 -
1	NO LIBERTY									1.7 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B				97.7 a
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
5	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 d	95.0 ab	0.0 c	1.7 -
1	NO LIBERTY									1.7 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B				99.0 a
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
5	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						56.7 b	95.0 ab	99.0 a	3.3 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				3.3 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B				97.7 a
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
5	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 d	93.3 bc	0.0 c	10.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				3.3 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B				99.0 a
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
5	INDUCE			0.25 % v/v	POST	B				
LSD P=.10							7.25	2.15	19.03	7.50
Standard Deviation							4.78	1.42	12.53	4.94
CV							18.79	1.58	27.16	92.57
										128.88
										5.26
										3.46
										3.77

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2													
Trial ID: CN-01-24			Study Dir.: N. SHAY/GA CORN COMMISSION										
Location: PONDER FARM			Investigator: Eric P. Prostko										
Weed Code							Rapra	Agrass	Molve	Zeama	Amapa	Rapra	
Crop Code							Control	Conttol	Control	Stunting	Control	Control	
Rating Data Type							%	%	%	%	%	%	
Rating Unit							May-9-24	May-9-24	May-9-24	May-23-24	May-23-24	May-23-24	
Rating Date							May-9-24	May-9-24	May-9-24	May-23-24	May-23-24	May-23-24	
Trt	Treatment	Form	Form	Rate	Grow	Appl							
No.	Name	Conc	Type	Rate	Unit	Stg	Code	19	20	21	22	23	24
TABLE OF R MEANS													
Replicate 1							80.5	92.5	88.9	8.8	90.0	78.3	
Replicate 2							72.4	92.4	89.6	8.3	92.6	68.9	
Replicate 3							73.9	92.1	88.7	2.0	92.8	75.8	
TABLE OF A (PRE) MEANS													
1	NO PRE							70.8 b	87.2 b	89.1 -	4.5 -	87.2 b	71.0 -
2	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A		80.4 a	97.4 a	89.0 -	8.2 -	96.3 a	77.6 -
LSD P=.10							6.35	1.97	1.57	5.74	1.85	9.84	
Standard Deviation							8.42	2.61	2.08	7.61	2.45	13.05	
CV							11.14	2.83	2.33	120.16	2.67	17.57	
TABLE OF B (LIBERTY) MEANS													
1	NO LIBERTY							69.5 b	86.1 b	79.5 b	3.5 -	86.1 b	69.3 b
2	LIBERTY	2.34 SL		32.0 oz/a	POST	B		81.7 a	98.5 a	98.6 a	9.2 -	97.4 a	79.3 a
LSD P=.10							4.13	2.40	4.06	8.01	1.43	3.60	
Standard Deviation							5.48	3.18	5.39	10.63	1.90	4.78	
CV							7.25	3.45	6.05	167.78	2.07	6.43	
TABLE OF C (HPPD) MEANS													
1	NO HPPD							28.8 c	72.9 c	53.7 b	2.5 -	69.6 b	30.8 b
2	CALLISTO	4 SC		3.0 oz/a	POST	B		95.1 a	95.3 b	99.0 a	7.9 -	97.2 a	92.0 a
2	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
2	INDUCE			0.25 % v/v	POST	B							
3	LAUDIS	3.5 SC		3.0 oz/a	POST	B		82.1 b	97.7 a	99.0 a	6.3 -	96.6 a	80.4 a
3	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
3	INDUCE			0.25 % v/v	POST	B							
4	IMPACT	2.8 SC		1.25 oz/a	POST	B		90.7 ab	97.7 a	95.5 a	9.2 -	96.8 a	85.4 a
4	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
4	INDUCE			0.25 % v/v	POST	B							
5	SHIELDDEX	3.33 SC		1.35 oz/a	POST	B		81.3 b	98.0 a	98.0 a	5.8 -	98.7 a	82.8 a
5	PROWL H2O	3.8 SC		32.0 oz/a	POST	B							
5	INDUCE			0.25 % v/v	POST	B							
LSD P=.10							10.72	2.26	6.36	4.52	4.01	13.32	
Standard Deviation							14.12	2.98	8.38	5.96	5.28	17.55	
CV							18.69	3.23	9.41	94.10	5.76	23.62	
TABLE OF A (PRE) B (LIBERTY) MEANS													
1	NO PRE							68.0 c	76.3 c	79.2 -	2.0 -	77.2 b	67.9 c
1	NO LIBERTY												
2	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A		70.9 bc	96.0 b	79.8 -	5.0 -	95.1 a	70.6 bc
1	NO PRE							73.5 b	98.2 a	99.0 -	7.0 -	97.3 a	74.0 b
2	LIBERTY	2.34 SL		32.0 oz/a	POST	B							
2	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A		89.8 a	98.7 a	98.1 -	11.3 -	97.5 a	84.7 a
2	LIBERTY	2.34 SL		32.0 oz/a	POST	B							
LSD P=.10							5.30	2.06	5.74	1.82	6.21	4.30	
Standard Deviation							4.97	1.94	5.39	1.71	5.83	4.03	
CV							6.58	2.10	6.05	26.97	6.35	5.43	

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP										
YEAR 2										
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION								
Location: PONDER FARM		Investigator: Eric P. Prostko								
Weed Code							Rapra	Agrass	Molve	
Crop Code							Control	Conttol	Control	
Rating Data Type							%	%	%	
Rating Unit										
Rating Date							May-9-24	May-9-24	May-9-24	May-23-24
Trt Treatment										
Form Form										
Conc Type										
Rate Rate										
Unit Unit										
Stg Stg										
Appl Code										
							19	20	21	22
										23
										24
TABLE OF A (PRE) C (HPPD) MEANS										
1	NO PRE						22.5 e	49.5 c	49.5 -	0.8 -
1	NO HPPD									49.5 c
2	DUAL II MAGNUM	7.64 EC	16.0 oz/a	PRE	A		35.0 d	96.3 ab	57.8 -	4.2 -
1	NO HPPD									89.7 b
1	NO PRE						95.5 a	94.3 b	99.0 -	5.0 -
2	CALLISTO	4 SC	3.0 oz/a	POST	B					96.0 ab
2	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					
2	INDUCE		0.25 % v/v	POST	B					92.3 -
2	DUAL II MAGNUM	7.64 EC	16.0 oz/a	PRE	A		94.7 a	96.2 ab	99.0 -	10.8 -
2	CALLISTO	4 SC	3.0 oz/a	POST	B					98.3 a
2	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					
2	INDUCE		0.25 % v/v	POST	B					91.7 -
1	NO PRE						76.7 c	98.3 a	99.0 -	6.7 -
3	LAUDIS	3.5 SC	3.0 oz/a	POST	B					96.3 ab
3	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					
3	INDUCE		0.25 % v/v	POST	B					75.8 -
2	DUAL II MAGNUM	7.64 EC	16.0 oz/a	PRE	A		87.5 b	97.0 ab	99.0 -	5.8 -
3	LAUDIS	3.5 SC	3.0 oz/a	POST	B					96.8 a
3	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					
3	INDUCE		0.25 % v/v	POST	B					85.0 -
1	NO PRE						87.5 b	97.0 ab	99.0 -	6.7 -
4	IMPACT	2.8 SC	1.25 oz/a	POST	B					96.0 ab
4	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					
4	INDUCE		0.25 % v/v	POST	B					80.8 -
2	DUAL II MAGNUM	7.64 EC	16.0 oz/a	PRE	A		93.8 ab	98.3 a	92.0 -	11.7 -
4	IMPACT	2.8 SC	1.25 oz/a	POST	B					97.7 a
4	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					
4	INDUCE		0.25 % v/v	POST	B					90.0 -
1	NO PRE						71.7 c	97.0 ab	99.0 -	3.3 -
5	SHIELDDEX	3.33 SC	1.35 oz/a	POST	B					98.3 a
5	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					
5	INDUCE		0.25 % v/v	POST	B					75.8 -
2	DUAL II MAGNUM	7.64 EC	16.0 oz/a	PRE	A		90.8 ab	99.0 a	97.0 -	8.3 -
5	SHIELDDEX	3.33 SC	1.35 oz/a	POST	B					99.0 a
5	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					
5	INDUCE		0.25 % v/v	POST	B					89.8 -
LSD P=.10							6.80	2.95	8.99	4.40
Standard Deviation							6.33	2.75	8.38	4.10
CV							8.38	2.98	9.41	64.66
TABLE OF B (LIBERTY) C (HPPD) MEANS										
1	NO LIBERTY						0.0 d	47.5 d	8.3 b	1.7 -
1	NO HPPD									42.3 b
2	LIBERTY	2.34 SL	32.0 oz/a	POST	B		57.5 c	98.3 ab	99.0 a	3.3 -
1	NO HPPD									96.8 a
1	NO LIBERTY						93.3 a	91.5 c	99.0 a	7.5 -
2	CALLISTO	4 SC	3.0 oz/a	POST	B					96.8 a
2	PROWL H2O	3.8 SC	32.0 oz/a	POST	B					
2	INDUCE		0.25 % v/v	POST	B					92.3 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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2									
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code						Rapra	Agrass	Molve	Zeama
Crop Code						Control	Conttol	Control	Stunting
Rating Data Type						%	%	%	%
Rating Unit						May-9-24	May-9-24	May-9-24	May-23-24
Rating Date						May-9-24	May-9-24	May-9-24	May-23-24
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Unit	Stg	Code	19	20	21
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		96.8 a	99.0 a	99.0 a
2	CALLISTO	4	SC	3.0 oz/a	POST B				8.3 -
2	PROWL H2O	3.8	SC	32.0 oz/a	POST B				97.5 a
2	INDUCE			0.25 % v/v	POST B				91.7 a
1	NO LIBERTY						78.3 b	96.3 b	99.0 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST B				2.5 -
3	PROWL H2O	3.8	SC	32.0 oz/a	POST B				96.3 a
3	INDUCE			0.25 % v/v	POST B				76.7 ab
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		85.8 ab	99.0 a	99.0 a
3	LAUDIS	3.5	SC	3.0 oz/a	POST B				10.0 -
3	PROWL H2O	3.8	SC	32.0 oz/a	POST B				96.8 a
3	INDUCE			0.25 % v/v	POST B				84.2 a
1	NO LIBERTY						90.7 ab	97.0 ab	93.5 a
4	IMPACT	2.8	SC	1.25 oz/a	POST B				5.0 -
4	PROWL H2O	3.8	SC	32.0 oz/a	POST B				96.2 a
4	INDUCE			0.25 % v/v	POST B				87.5 a
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		90.7 ab	98.3 ab	97.5 a
4	IMPACT	2.8	SC	1.25 oz/a	POST B				13.3 -
4	PROWL H2O	3.8	SC	32.0 oz/a	POST B				97.5 a
4	INDUCE			0.25 % v/v	POST B				83.3 a
1	NO LIBERTY						85.0 ab	98.3 ab	97.7 a
5	SHIELDDEX	3.33	SC	1.35 oz/a	POST B				0.8 -
5	PROWL H2O	3.8	SC	32.0 oz/a	POST B				99.0 a
5	INDUCE			0.25 % v/v	POST B				89.8 a
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		77.5 b	97.7 ab	98.3 a
5	SHIELDDEX	3.33	SC	1.35 oz/a	POST B				10.8 -
5	PROWL H2O	3.8	SC	32.0 oz/a	POST B				98.3 a
5	INDUCE			0.25 % v/v	POST B				75.8 ab
LSD P=.10							13.85	2.60	7.49
Standard Deviation							12.90	2.42	6.98
CV							17.07	2.62	7.84
									7.82
									7.28
									114.97
									4.65
									4.33
									4.72
									16.61
									15.47
									20.82
TABLE OF A (PRE) B (LIBERTY) C (HPPD) MEANS									
1	NO PRE						0.0 -	0.0 e	0.0 -
1	NO LIBERTY								
1	NO HPPD								
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	0.0 -	95.0 bc	16.7 -
1	NO LIBERTY								3.3 -
1	NO HPPD								84.7 b
1	NO PRE						45.0 -	99.0 a	99.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST B				1.7 -
1	NO HPPD								99.0 a
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	70.0 -	97.7 ab	99.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST B				5.0 -
1	NO HPPD								94.7 a
1	NO PRE						95.0 -	89.7 d	99.0 -
1	NO LIBERTY								5.0 -
2	CALLISTO	4	SC	3.0 oz/a	POST B				96.0 a
2	PROWL H2O	3.8	SC	32.0 oz/a	POST B				94.7 -
2	INDUCE			0.25 % v/v	POST B				

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP										
YEAR 2										
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION										
Location: PONDER FARM Investigator: Eric P. Prostko										
Weed Code							Rapra	Agrass	Molve	
Crop Code							Control	Conttol	Control	
Rating Data Type							%	%	%	
Rating Unit										
Rating Date							May-9-24	May-9-24	May-9-24	May-23-24
Trt	Treatment	Form	Form	Rate	Grow	Appl				
No.	Name	Conc	Type	Unit	Stg	Code	19	20	21	22
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	91.7 -	93.3 cd	99.0 -	10.0 -
1	NO LIBERTY									
2	CALLISTO	4	SC	3.0 oz/a	POST	B				
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
2	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						96.0 -	99.0 a	99.0 -	5.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				
2	CALLISTO	4	SC	3.0 oz/a	POST	B				
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
2	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	97.7 -	99.0 a	99.0 -	11.7 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				
2	CALLISTO	4	SC	3.0 oz/a	POST	B				
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
2	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						75.0 -	97.7 ab	99.0 -	1.7 -
1	NO LIBERTY									
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
3	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	81.7 -	95.0 bc	99.0 -	3.3 -
1	NO LIBERTY									
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
3	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						78.3 -	99.0 a	99.0 -	11.7 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
3	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	93.3 -	99.0 a	99.0 -	8.3 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B				
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
3	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						90.0 -	96.3 abc	99.0 -	3.3 -
1	NO LIBERTY									
4	IMPACT	2.8	SC	1.25 oz/a	POST	B				
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
4	INDUCE			0.25 % v/v	POST	B				
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	91.3 -	97.7 ab	88.0 -	6.7 -
1	NO LIBERTY									
4	IMPACT	2.8	SC	1.25 oz/a	POST	B				
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
4	INDUCE			0.25 % v/v	POST	B				
1	NO PRE						85.0 -	97.7 ab	99.0 -	10.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B				
4	IMPACT	2.8	SC	1.25 oz/a	POST	B				
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B				
4	INDUCE			0.25 % v/v	POST	B				

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP											
YEAR 2											
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION											
Location: PONDER FARM Investigator: Eric P. Prostko											
Weed Code						Rapra	Agrass	Molve	Zeama	Amapa	Rapra
Crop Code						Control	Conttol	Control	Stunting	Control	Control
Rating Data Type						%	%	%	%	%	%
Rating Unit						May-9-24	May-9-24	May-9-24	May-23-24	May-23-24	May-23-24
Rating Date											
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Unit	Stg	Code	19	20	21	22	23
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.3 -	99.0 a	96.0 -	16.7 -	99.0 a
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					90.0 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B					
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
4	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						80.0 -	97.7 ab	99.0 -	0.0 -	99.0 a
1	NO LIBERTY										88.3 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B					
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
5	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	90.0 -	99.0 a	96.3 -	1.7 -	99.0 a
1	NO LIBERTY										91.3 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B					
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
5	INDUCE			0.25 % v/v	POST	B					
1	NO PRE						63.3 -	96.3 abc	99.0 -	6.7 -	97.7 a
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					63.3 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B					
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
5	INDUCE			0.25 % v/v	POST	B					
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	91.7 -	99.0 a	97.7 -	15.0 -	99.0 a
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B					88.3 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B					
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B					
5	INDUCE			0.25 % v/v	POST	B					
LSD P=.10							14.57	3.82	10.60	8.39	5.27
Standard Deviation							9.60	2.52	6.98	5.52	3.47
CV							12.70	2.73	7.84	87.23	3.78
											11.33

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP									
YEAR 2									
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code						Agrass	-----	-----	
Crop Code						Control	ZEAMA	ZEAMA	
Rating Data Type						%	YIELD	YIELD	
Rating Unit							LBS/PLOT	BU/A	
Rating Date						May-23-24	Aug-29-24	Aug-29-24	
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No. Name		Conc	Type	Rate Unit	Stg	Code	25	26	27
TABLE OF R MEANS									
Replicate 1							93.4	26.3	137.4
Replicate 2							93.4	27.2	141.9
Replicate 3							92.0	37.4	195.4
TABLE OF A (PRE) MEANS									
1	NO PRE						87.8 b	31.7 a	165.7 a
2	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	98.0 a	28.9 b	150.8 b
LSD P=.10							2.33	1.69	8.82
Standard Deviation							3.08	2.24	11.70
CV							3.32	7.40	7.40
TABLE OF B (LIBERTY) MEANS									
1	NO LIBERTY						87.4 b	29.8 -	155.5 -
2	LIBERTY	2.34 SL		32.0 oz/a	POST	B	98.5 a	30.8 -	160.9 -
LSD P=.10							0.29	2.11	11.01
Standard Deviation							0.39	2.80	14.61
CV							0.42	9.23	9.23
TABLE OF C (HPPD) MEANS									
1	NO HPPD						73.6 c	29.9 -	156.3 -
2	CALLISTO	4 SC		3.0 oz/a	POST	B	95.7 b	30.9 -	161.6 -
2	PROWL H2O	3.8 SC		32.0 oz/a	POST	B			
2	INDUCE			0.25 % v/v	POST	B			
3	LAUDIS	3.5 SC		3.0 oz/a	POST	B	98.3 a	29.0 -	151.5 -
3	PROWL H2O	3.8 SC		32.0 oz/a	POST	B			
3	INDUCE			0.25 % v/v	POST	B			
4	IMPACT	2.8 SC		1.25 oz/a	POST	B	98.7 a	29.0 -	151.5 -
4	PROWL H2O	3.8 SC		32.0 oz/a	POST	B			
4	INDUCE			0.25 % v/v	POST	B			
5	SHIELDDEX	3.33 SC		1.35 oz/a	POST	B	98.3 a	32.6 -	170.3 -
5	PROWL H2O	3.8 SC		32.0 oz/a	POST	B			
5	INDUCE			0.25 % v/v	POST	B			
LSD P=.10							1.16	3.96	20.70
Standard Deviation							1.53	5.22	27.27
CV							1.65	17.23	17.23
TABLE OF A (PRE) B (LIBERTY) MEANS									
1	NO PRE						77.2 b	30.7 -	160.3 -
1	NO LIBERTY								
2	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	97.5 a	28.9 -	150.8 -
1	NO LIBERTY								
1	NO PRE						98.5 a	32.7 -	171.1 -
2	LIBERTY	2.34 SL		32.0 oz/a	POST	B			
2	DUAL II MAGNUM	7.64 EC		16.0 oz/a	PRE	A	98.5 a	28.9 -	150.8 -
2	LIBERTY	2.34 SL		32.0 oz/a	POST	B			
LSD P=.10							3.29	4.73	24.74
Standard Deviation							3.08	4.44	23.20
CV							3.32	14.66	14.66

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP									
YEAR 2									
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code							Agrass	-----	-----
Crop Code							Control	ZEAMA	ZEAMA
Rating Data Type							%	YIELD	YIELD
Rating Unit								LBS/PLOT	BU/A
Rating Date							May-23-24	Aug-29-24	Aug-29-24
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No. Name		Conc	Type	Unit	Stg	Code	25	26	27
TABLE OF A (PRE) C (HPPD) MEANS									
1	NO PRE						49.5 d	29.5 -	154.2 -
1	NO HPPD								
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	97.7 abc	30.3 -	158.5 -
1	NO HPPD								
1	NO PRE						95.3 c	32.5 -	169.8 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B			
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
2	INDUCE			0.25 % v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	96.0 bc	29.3 -	153.3 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B			
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
2	INDUCE			0.25 % v/v	POST	B			
1	NO PRE						97.7 abc	30.7 -	160.3 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B			
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
3	INDUCE			0.25 % v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	99.0 a	27.3 -	142.8 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B			
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
3	INDUCE			0.25 % v/v	POST	B			
1	NO PRE						99.0 a	31.2 -	162.9 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B			
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
4	INDUCE			0.25 % v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	98.3 ab	26.8 -	140.2 -
4	IMPACT	2.8	SC	1.25 oz/a	POST	B			
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
4	INDUCE			0.25 % v/v	POST	B			
1	NO PRE						97.7 abc	34.7 -	181.2 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B			
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
5	INDUCE			0.25 % v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	99.0 a	30.5 -	159.4 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B			
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
5	INDUCE			0.25 % v/v	POST	B			
LSD P=.10							2.48	4.83	25.23
Standard Deviation							2.31	4.50	23.50
CV							2.49	14.85	14.85
TABLE OF B (LIBERTY) C (HPPD) MEANS									
1	NO LIBERTY						48.8 c	27.8 -	145.4 -
1	NO HPPD								
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B	98.3 a	32.0 -	167.2 -
1	NO HPPD								
1	NO LIBERTY						93.0 b	30.8 -	161.1 -
2	CALLISTO	4	SC	3.0 oz/a	POST	B			
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
2	INDUCE			0.25 % v/v	POST	B			

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP									
YEAR 2									
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION									
Location: PONDER FARM Investigator: Eric P. Prostko									
Weed Code						Agrass	-----	-----	
Crop Code						Control	ZEAMA	ZEAMA	
Rating Data Type						%	YIELD	YIELD	
Rating Unit							LBS/PLOT	BU/A	
Rating Date						May-23-24	Aug-29-24	Aug-29-24	
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Unit	Stg	Code	25	26	27
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		98.3 a	31.0 -	162.0 -
2	CALLISTO	4	SC	3.0 oz/a	POST B				
2	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
2	INDUCE			0.25 % v/v	POST B				
1	NO LIBERTY						97.7 a	28.2 -	147.2 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST B				
3	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
3	INDUCE			0.25 % v/v	POST B				
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		99.0 a	29.8 -	155.9 -
3	LAUDIS	3.5	SC	3.0 oz/a	POST B				
3	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
3	INDUCE			0.25 % v/v	POST B				
1	NO LIBERTY						99.0 a	29.2 -	152.4 -
4	IMPACT	2.8	SC	1.25 oz/a	POST B				
4	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
4	INDUCE			0.25 % v/v	POST B				
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		98.3 a	28.8 -	150.7 -
4	IMPACT	2.8	SC	1.25 oz/a	POST B				
4	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
4	INDUCE			0.25 % v/v	POST B				
1	NO LIBERTY						98.3 a	32.8 -	171.6 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST B				
5	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
5	INDUCE			0.25 % v/v	POST B				
2	LIBERTY	2.34	SL	32.0 oz/a	POST B		98.3 a	32.3 -	169.0 -
5	SHIELDEX	3.33	SC	1.35 oz/a	POST B				
5	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
5	INDUCE			0.25 % v/v	POST B				
LSD P=.10							1.57	5.55	28.98
Standard Deviation							1.47	5.17	27.00
CV							1.58	17.06	17.06
TABLE OF A (PRE) B (LIBERTY) C (HPPD) MEANS									
1	NO PRE						0.0 c	23.3 -	121.9 -
1	NO LIBERTY								
1	NO HPPD								
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	97.7 a	32.3 -	169.0 -
1	NO LIBERTY								
1	NO HPPD								
1	NO PRE						99.0 a	35.7 -	186.4 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST B				
1	NO HPPD								
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	97.7 a	28.3 -	148.1 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST B				
1	NO HPPD								
1	NO PRE						93.0 b	30.0 -	156.8 -
1	NO LIBERTY								
2	CALLISTO	4	SC	3.0 oz/a	POST B				
2	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
2	INDUCE			0.25 % v/v	POST B				

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP									
YEAR 2									
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code							Agrass	-----	-----
Crop Code							Control	ZEAMA	ZEAMA
Rating Data Type							%	YIELD	YIELD
Rating Unit								LBS/PLOT	BU/A
Rating Date							May-23-24	Aug-29-24	Aug-29-24
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Unit	Stg	Code	25	26	27
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	93.0 b	31.7 -	165.5 -
1	NO LIBERTY								
2	CALLISTO	4	SC	3.0 oz/a	POST	B			
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
2	INDUCE			0.25 % v/v	POST	B			
1	NO PRE						97.7 a	35.0 -	182.9 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B			
2	CALLISTO	4	SC	3.0 oz/a	POST	B			
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
2	INDUCE			0.25 % v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	99.0 a	27.0 -	141.1 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B			
2	CALLISTO	4	SC	3.0 oz/a	POST	B			
2	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
2	INDUCE			0.25 % v/v	POST	B			
1	NO PRE						96.3 a	32.0 -	167.2 -
1	NO LIBERTY								
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B			
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
3	INDUCE			0.25 % v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	99.0 a	24.3 -	127.2 -
1	NO LIBERTY								
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B			
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
3	INDUCE			0.25 % v/v	POST	B			
1	NO PRE						99.0 a	29.3 -	153.3 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B			
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B			
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
3	INDUCE			0.25 % v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	99.0 a	30.3 -	158.5 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B			
3	LAUDIS	3.5	SC	3.0 oz/a	POST	B			
3	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
3	INDUCE			0.25 % v/v	POST	B			
1	NO PRE						99.0 a	31.0 -	162.0 -
1	NO LIBERTY								
4	IMPACT	2.8	SC	1.25 oz/a	POST	B			
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
4	INDUCE			0.25 % v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	99.0 a	27.3 -	142.8 -
1	NO LIBERTY								
4	IMPACT	2.8	SC	1.25 oz/a	POST	B			
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
4	INDUCE			0.25 % v/v	POST	B			
1	NO PRE						99.0 a	31.3 -	163.7 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B			
4	IMPACT	2.8	SC	1.25 oz/a	POST	B			
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
4	INDUCE			0.25 % v/v	POST	B			

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

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP									
YEAR 2									
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code						Agrass	-----	-----	
Crop Code						Control	ZEAMA	ZEAMA	
Rating Data Type						%	YIELD	YIELD	
Rating Unit							LBS/PLOT	BU/A	
Rating Date						May-23-24	Aug-29-24	Aug-29-24	
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate Unit	Stg	Code	25	26	27
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	97.7 a	26.3 -	137.6 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B			
4	IMPACT	2.8	SC	1.25 oz/a	POST	B			
4	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
4	INDUCE			0.25 % v/v	POST	B			
1	NO PRE						97.7 a	37.0 -	193.3 -
1	NO LIBERTY								
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B			
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
5	INDUCE			0.25 % v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	99.0 a	28.7 -	149.8 -
1	NO LIBERTY								
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B			
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
5	INDUCE			0.25 % v/v	POST	B			
1	NO PRE						97.7 a	32.3 -	169.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B			
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B			
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
5	INDUCE			0.25 % v/v	POST	B			
2	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	99.0 a	32.3 -	169.0 -
2	LIBERTY	2.34	SL	32.0 oz/a	POST	B			
5	SHIELDEX	3.33	SC	1.35 oz/a	POST	B			
5	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
5	INDUCE			0.25 % v/v	POST	B			
LSD P=.10							3.29	9.79	51.16
Standard Deviation							2.16	6.33	33.07
CV							2.33	20.90	20.90

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2						
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Stunting % Apr-15-24 (Data Column 1)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	0.000000				
R	2	0.000000	0.000000	NaN	NaN	
A	1	0.000000	0.000000	NaN	NaN	.
RA	2	0.000000	0.000000			
B	1	0.000000	0.000000	NaN	NaN	.
RB	2	0.000000	0.000000			
AB	1	0.000000	0.000000	NaN	NaN	.
RAB	2	0.000000	0.000000			
C	4	0.000000	0.000000	NaN	NaN	.
RC	8	0.000000	0.000000			
AC	4	0.000000	0.000000	NaN	NaN	.
RAC	8	0.000000	0.000000			
BC	4	0.000000	0.000000	NaN	NaN	.
RBC	8	0.000000	0.000000			
ABC	4	0.000000	0.000000	NaN	NaN	.
RABC	8	0.000000	0.000000			
COMPLETE FACTORIAL AOV For Amapa Control % Apr-15-24 (Data Column 2)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	147015.000000				
R	2	0.000000	0.000000	NaN	NaN	
A	1	147015.000000	147015.000000	NaN	NaN	.
RA	2	0.000000	0.000000			
B	1	0.000000	0.000000	NaN	NaN	.
RB	2	0.000000	0.000000			
AB	1	0.000000	0.000000	NaN	NaN	.
RAB	2	0.000000	0.000000			
C	4	0.000000	0.000000	NaN	NaN	.
RC	8	0.000000	0.000000			
AC	4	0.000000	0.000000	NaN	NaN	.
RAC	8	0.000000	0.000000			
BC	4	0.000000	0.000000	NaN	NaN	.
RBC	8	0.000000	0.000000			
ABC	4	0.000000	0.000000	NaN	NaN	.
RABC	8	0.000000	0.000000			
COMPLETE FACTORIAL AOV For Agrass Control % Apr-15-24 (Data Column 3)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	147015.000000				
R	2	0.000000	0.000000	NaN	NaN	
A	1	147015.000000	147015.000000	NaN	NaN	.
RA	2	0.000000	0.000000			
B	1	0.000000	0.000000	NaN	NaN	.
RB	2	0.000000	0.000000			
AB	1	0.000000	0.000000	NaN	NaN	.
RAB	2	0.000000	0.000000			
C	4	0.000000	0.000000	NaN	NaN	.
RC	8	0.000000	0.000000			
AC	4	0.000000	0.000000	NaN	NaN	.
RAC	8	0.000000	0.000000			
BC	4	0.000000	0.000000	NaN	NaN	.
RBC	8	0.000000	0.000000			
ABC	4	0.000000	0.000000	NaN	NaN	.
RABC	8	0.000000	0.000000			

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2						
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Rapra Control % Apr-15-24 (Data Column 4)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	35873.333333				
R	2	1003.333333	501.666667	1.275	0.3305	
A	1	14726.666667	14726.666667	29.355	0.0324	16.9
RA	2	1003.333333	501.666667			
B	1	326.666667	326.666667	0.929	0.4368	14.1
RB	2	703.333333	351.666667			
AB	1	326.666667	326.666667	0.929	0.4368	20.0
RAB	2	703.333333	351.666667			
C	4	990.000000	247.500000	0.908	0.5031	12.5
RC	8	2180.000000	272.500000			
AC	4	990.000000	247.500000	0.908	0.5031	17.7
RAC	8	2180.000000	272.500000			
BC	4	2223.333333	555.833333	1.413	0.3132	21.3
RBC	8	3146.666667	393.333333			
ABC	4	2223.333333	555.833333	1.413	0.3132	30.1
RABC	8	3146.666667	393.333333			
COMPLETE FACTORIAL AOV For Zeama Stunting % Apr-22-24 (Data Column 5)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	618.333333				
R	2	63.333333	31.666667	3.304	0.0899	
A	1	81.666667	81.666667	2.579	0.2495	4.2
RA	2	63.333333	31.666667			
B	1	1.666667	1.666667	0.143	0.7418	2.6
RB	2	23.333333	11.666667			
AB	1	1.666667	1.666667	0.143	0.7418	3.6
RAB	2	23.333333	11.666667			
C	4	43.333333	10.833333	2.364	0.1397	1.6
RC	8	36.666667	4.583333			
AC	4	43.333333	10.833333	2.364	0.1397	2.3
RAC	8	36.666667	4.583333			
BC	4	23.333333	5.833333	0.609	0.6679	3.3
RBC	8	76.666667	9.583333			
ABC	4	23.333333	5.833333	0.609	0.6679	4.7
RABC	8	76.666667	9.583333			
COMPLETE FACTORIAL AOV For Amapa Control % Apr-22-24 (Data Column 6)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	136856.600000				
R	2	4.300000	2.150000	0.484	0.6332	
A	1	136517.400000	136517.400000	63496.465	0.0001	1.1
RA	2	4.300000	2.150000			
B	1	48.600000	48.600000	2.919	0.2297	3.1
RB	2	33.300000	16.650000			
AB	1	48.600000	48.600000	2.919	0.2297	4.4
RAB	2	33.300000	16.650000			
C	4	17.433333	4.358333	1.755	0.2309	1.2
RC	8	19.866667	2.483333			
AC	4	17.433333	4.358333	1.755	0.2309	1.7
RAC	8	19.866667	2.483333			
BC	4	10.566667	2.641667	0.595	0.6766	2.3
RBC	8	35.533333	4.441667			
ABC	4	10.566667	2.641667	0.595	0.6766	3.2
RABC	8	35.533333	4.441667			

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2						
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Agrass Control % Apr-22-24 (Data Column 7)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	140088.600000				
R	2	19.200000	9.600000	12.000	0.0039	
A	1	139973.400000	139973.400000	14580.563	0.0001	2.3
RA	2	19.200000	9.600000			
B	1	1.066667	1.066667	0.143	0.7418	2.1
RB	2	14.933333	7.466667			
AB	1	1.066667	1.066667	0.143	0.7418	2.9
RAB	2	14.933333	7.466667			
C	4	1.600000	0.400000	0.250	0.9018	1.0
RC	8	12.800000	1.600000			
AC	4	1.600000	0.400000	0.250	0.9018	1.4
RAC	8	12.800000	1.600000			
BC	4	1.600000	0.400000	0.500	0.7373	1.0
RBC	8	6.400000	0.800000			
ABC	4	1.600000	0.400000	0.500	0.7373	1.4
RABC	8	6.400000	0.800000			
COMPLETE FACTORIAL AOV For Rapra Control % Apr-22-24 (Data Column 8)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	31691.250000				
R	2	1807.500000	903.750000	2.010	0.1962	
A	1	8283.750000	8283.750000	9.166	0.0940	22.7
RA	2	1807.500000	903.750000			
B	1	10.416667	10.416667	0.042	0.8558	11.8
RB	2	490.833333	245.416667			
AB	1	10.416667	10.416667	0.042	0.8558	16.7
RAB	2	490.833333	245.416667			
C	4	1230.833333	307.708333	1.370	0.3257	11.4
RC	8	1796.666667	224.583333			
AC	4	1230.833333	307.708333	1.370	0.3257	16.1
RAC	8	1796.666667	224.583333			
BC	4	2770.833333	692.708333	1.541	0.2790	22.8
RBC	8	3596.666667	449.583333			
ABC	4	2770.833333	692.708333	1.541	0.2790	32.2
RABC	8	3596.666667	449.583333			
COMPLETE FACTORIAL AOV For Zeama Stunting % Apr-29-24 (Data Column 9)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	974.583333				
R	2	35.833333	17.916667	1.933	0.2067	
A	1	50.416667	50.416667	6.368	0.1276	2.1
RA	2	15.833333	7.916667			
B	1	70.416667	70.416667	2.522	0.2532	4.0
RB	2	55.833333	27.916667			
AB	1	20.416667	20.416667	1.581	0.3356	3.8
RAB	2	25.833333	12.916667			
C	4	85.000000	21.250000	1.153	0.3989	3.3
RC	8	147.500000	18.437500			
AC	4	93.333333	23.333333	1.391	0.3195	4.4
RAC	8	134.166667	16.770833			
BC	4	31.666667	7.916667	1.041	0.4432	3.0
RBC	8	60.833333	7.604167			
ABC	4	73.333333	18.333333	1.978	0.1911	4.6
RABC	8	74.166667	9.270833			

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2						
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Bleaching % Apr-29-24 (Data Column 10)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	404.583333				
R	2	5.833333	2.916667	0.394	0.6865	
A	1	33.750000	33.750000	27.000	0.0351	0.8
RA	2	2.500000	1.250000			
B	1	0.416667	0.416667	1.000	0.4226	0.5
RB	2	0.833333	0.416667			
AB	1	33.750000	33.750000	9.000	0.0955	2.1
RAB	2	7.500000	3.750000			
C	4	56.666667	14.166667	3.163	0.0777	1.6
RC	8	35.833333	4.479167			
AC	4	1.666667	0.416667	0.041	0.9961	3.4
RAC	8	80.833333	10.104167			
BC	4	10.000000	2.500000	0.348	0.8386	2.9
RBC	8	57.500000	7.187500			
ABC	4	18.333333	4.583333	0.620	0.6611	4.1
RABC	8	59.166667	7.395833			
COMPLETE FACTORIAL AOV For Zeama Necrosis % Apr-29-24 (Data Column 11)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	281.250000				
R	2	7.500000	3.750000	0.621	0.5616	
A	1	20.416667	20.416667	7.000	0.1181	1.3
RA	2	5.833333	2.916667			
B	1	10.416667	10.416667	25.000	0.0377	0.5
RB	2	0.833333	0.416667			
AB	1	0.416667	0.416667	0.143	0.7418	1.8
RAB	2	5.833333	2.916667			
C	4	25.000000	6.250000	1.667	0.2495	1.5
RC	8	30.000000	3.750000			
AC	4	15.000000	3.750000	2.000	0.1875	1.5
RAC	8	15.000000	1.875000			
BC	4	8.333333	2.083333	0.455	0.7673	2.3
RBC	8	36.666667	4.583333			
ABC	4	51.666667	12.916667	2.138	0.1674	3.7
RABC	8	48.333333	6.041667			
COMPLETE FACTORIAL AOV For Amapa Control % Apr-29-24 (Data Column 12)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	25574.183333				
R	2	83.633333	41.816667	2.879	0.1143	
A	1	582.816667	582.816667	42.182	0.0229	2.8
RA	2	27.633333	13.816667			
B	1	1632.816667	1632.816667	71.562	0.0137	3.6
RB	2	45.633333	22.816667			
AB	1	984.150000	984.150000	13.272	0.0678	9.2
RAB	2	148.300000	74.150000			
C	4	5205.266667	1301.316667	81.630	0.0001	3.0
RC	8	127.533333	15.941667			
AC	4	5255.266667	1313.816667	118.718	0.0001	3.6
RAC	8	88.533333	11.066667			
BC	4	5016.933333	1254.233333	54.571	0.0001	5.1
RBC	8	183.866667	22.983333			
ABC	4	6075.600000	1518.900000	104.571	0.0001	5.8
RABC	8	116.200000	14.525000			

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2						
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Rapra Control % Apr-29-24 (Data Column 13)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	53064.583333				
R	2	40.833333	20.416667	0.895	0.4459	
A	1	38760.416667	38760.416667	1898.469	0.0005	3.4
RA	2	40.833333	20.416667			
B	1	10.416667	10.416667	0.275	0.6525	4.6
RB	2	75.833333	37.916667			
AB	1	10.416667	10.416667	0.275	0.6525	6.6
RAB	2	75.833333	37.916667			
C	4	6283.333333	1570.833333	53.665	0.0001	4.1
RC	8	234.166667	29.270833			
AC	4	6283.333333	1570.833333	53.665	0.0001	5.8
RAC	8	234.166667	29.270833			
BC	4	325.000000	81.250000	3.562	0.0596	5.1
RBC	8	182.500000	22.812500			
ABC	4	325.000000	81.250000	3.562	0.0596	7.3
RABC	8	182.500000	22.812500			
COMPLETE FACTORIAL AOV For Agrass Control % Apr-29-24 (Data Column 14)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	25686.183333				
R	2	6.533333	3.266667	1.627	0.2554	
A	1	1372.816667	1372.816667	1083.803	0.0009	0.8
RA	2	2.533333	1.266667			
B	1	1450.416667	1450.416667	324.720	0.0031	1.6
RB	2	8.933333	4.466667			
AB	1	1653.750000	1653.750000	435.197	0.0023	2.1
RAB	2	7.600000	3.800000			
C	4	5032.266667	1258.066667	587.424	0.0001	1.1
RC	8	17.133333	2.141667			
AC	4	5220.266667	1305.066667	399.510	0.0001	1.9
RAC	8	26.133333	3.266667			
BC	4	5522.666667	1380.666667	559.730	0.0001	1.7
RBC	8	19.733333	2.466667			
ABC	4	5329.333333	1332.333333	663.402	0.0001	2.2
RABC	8	16.066667	2.008333			
COMPLETE FACTORIAL AOV For Molve Control % Apr-29-24 (Data Column 15)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	145954.933333				
R	2	340.433333	170.216667	1.084	0.3832	
A	1	110081.666667	110081.666667	701.083	0.0014	9.4
RA	2	314.033333	157.016667			
B	1	2561.066667	2561.066667	15.046	0.0605	9.8
RB	2	340.433333	170.216667			
AB	1	627.266667	627.266667	3.995	0.1837	13.4
RAB	2	314.033333	157.016667			
C	4	7422.766667	1855.691667	10.902	0.0025	9.9
RC	8	1361.733333	170.216667			
AC	4	5568.166667	1392.041667	8.866	0.0049	13.5
RAC	8	1256.133333	157.016667			
BC	4	5541.766667	1385.441667	8.139	0.0064	14.0
RBC	8	1361.733333	170.216667			
ABC	4	7607.566667	1901.891667	12.113	0.0018	19.0
RABC	8	1256.133333	157.016667			

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2						
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Stunting % May-9-24 (Data Column 16)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	1843.333333				
R	2	110.833333	55.416667	2.274	0.1653	
A	1	166.666667	166.666667	3.670	0.1955	5.1
RA	2	90.833333	45.416667			
B	1	281.666667	281.666667	11.082	0.0796	3.8
RB	2	50.833333	25.416667			
AB	1	15.000000	15.000000	1.714	0.3206	3.2
RAB	2	17.500000	8.750000			
C	4	143.333333	35.833333	2.263	0.1513	3.0
RC	8	126.666667	15.833333			
AC	4	108.333333	27.083333	0.878	0.5176	6.0
RAC	8	246.666667	30.833333			
BC	4	26.666667	6.666667	0.299	0.8707	5.1
RBC	8	178.333333	22.291667			
ABC	4	85.000000	21.250000	0.872	0.5209	7.5
RABC	8	195.000000	24.375000			
COMPLETE FACTORIAL AOV For Zeama Bleaching % May-9-24 (Data Column 17)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	354.583333				
R	2	15.833333	7.916667	2.375	0.1550	
A	1	20.416667	20.416667	1.581	0.3356	2.7
RA	2	25.833333	12.916667			
B	1	20.416667	20.416667	1.960	0.2965	2.4
RB	2	20.833333	10.416667			
AB	1	0.416667	0.416667	0.077	0.8075	2.5
RAB	2	10.833333	5.416667			
C	4	31.666667	7.916667	4.750	0.0294	1.0
RC	8	13.333333	1.666667			
AC	4	23.333333	5.833333	4.000	0.0453	1.3
RAC	8	11.666667	1.458333			
BC	4	6.666667	1.666667	0.123	0.9701	4.0
RBC	8	108.333333	13.541667			
ABC	4	18.333333	4.583333	1.375	0.3243	2.8
RABC	8	26.666667	3.333333			
COMPLETE FACTORIAL AOV For Amapa Control % May-9-24 (Data Column 18)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	27609.733333				
R	2	44.633333	22.316667	1.862	0.2168	
A	1	1793.066667	1793.066667	232.363	0.0043	2.1
RA	2	15.433333	7.716667			
B	1	1815.000000	1815.000000	497.260	0.0020	1.4
RB	2	7.300000	3.650000			
AB	1	1179.266667	1179.266667	104.206	0.0095	3.6
RAB	2	22.633333	11.316667			
C	4	7180.233333	1795.058333	224.851	0.0001	2.1
RC	8	63.866667	7.983333			
AC	4	4236.766667	1059.191667	137.260	0.0001	3.0
RAC	8	61.733333	7.716667			
BC	4	6361.166667	1590.291667	217.352	0.0001	2.9
RBC	8	58.533333	7.316667			
ABC	4	4674.233333	1168.558333	97.515	0.0001	5.3
RABC	8	95.866667	11.983333			

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2							
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION					
Location: PONDER FARM		Investigator: Eric P. Prostko					
COMPLETE FACTORIAL AOV For Rapra Control % May-9-24 (Data Column 19)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	59	52686.733333					
R	2	739.433333	369.716667	4.014	0.0621		
A	1	1382.400000	1382.400000	19.512	0.0476	6.3	
RA	2	141.700000	70.850000				
B	1	2232.600000	2232.600000	74.296	0.0132	4.1	
RB	2	60.100000	30.050000				
AB	1	666.666667	666.666667	26.972	0.0351	5.3	
RAB	2	49.433333	24.716667				
C	4	34505.733333	8626.433333	43.252	0.0001	10.7	
RC	8	1595.566667	199.445833				
AC	4	662.933333	165.733333	4.131	0.0418	6.8	
RAC	8	320.966667	40.120833				
BC	4	8060.400000	2015.100000	12.104	0.0018	13.9	
RBC	8	1331.900000	166.487500				
ABC	4	200.000000	50.000000	0.543	0.7095	14.6	
RABC	8	736.900000	92.112500				
COMPLETE FACTORIAL AOV For Agrass Conttol % May-9-24 (Data Column 20)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	59	27504.600000					
R	2	1.300000	0.650000	0.103	0.9036		
A	1	1540.266667	1540.266667	225.956	0.0044	2.0	
RA	2	13.633333	6.816667				
B	1	2281.666667	2281.666667	225.535	0.0044	2.4	
RB	2	20.233333	10.116667				
AB	1	1382.400000	1382.400000	368.640	0.0027	2.1	
RAB	2	7.500000	3.750000				
C	4	5694.100000	1423.525000	159.947	0.0001	2.3	
RC	8	71.200000	8.900000				
AC	4	5072.566667	1268.141667	167.596	0.0001	3.0	
RAC	8	60.533333	7.566667				
BC	4	5667.166667	1416.791667	241.499	0.0001	2.6	
RBC	8	46.933333	5.866667				
ABC	4	5594.433333	1398.608333	220.833	0.0001	3.8	
RABC	8	50.666667	6.333333				
COMPLETE FACTORIAL AOV For Molve Control % May-9-24 (Data Column 21)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	59	46231.933333					
R	2	8.633333	4.316667	0.089	0.9161		
A	1	0.266667	0.266667	0.062	0.8269	1.6	
RA	2	8.633333	4.316667				
B	1	5453.066667	5453.066667	187.929	0.0053	4.1	
RB	2	58.033333	29.016667				
AB	1	8.066667	8.066667	0.278	0.6507	5.7	
RAB	2	58.033333	29.016667				
C	4	18860.266667	4715.066667	67.174	0.0001	6.4	
RC	8	561.533333	70.191667				
AC	4	367.066667	91.766667	1.307	0.3451	9.0	
RAC	8	561.533333	70.191667				
BC	4	19257.600000	4814.400000	98.808	0.0001	7.5	
RBC	8	389.800000	48.725000				
ABC	4	249.600000	62.400000	1.281	0.3538	10.6	
RABC	8	389.800000	48.725000				

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2						
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION				
Location: PONDER FARM		Investigator: Eric P. Prostko				
COMPLETE FACTORIAL AOV For Zeama Stunting % May-23-24 (Data Column 22)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	3343.333333				
R	2	565.833333	282.916667	9.270	0.0083	
A	1	201.666667	201.666667	3.482	0.2030	5.7
RA	2	115.833333	57.916667			
B	1	481.666667	481.666667	4.266	0.1749	8.0
RB	2	225.833333	112.916667			
AB	1	6.666667	6.666667	2.286	0.2697	1.8
RAB	2	5.833333	2.916667			
C	4	305.833333	76.458333	2.152	0.1654	4.5
RC	8	284.166667	35.520833			
AC	4	85.833333	21.458333	1.280	0.3542	4.4
RAC	8	134.166667	16.770833			
BC	4	205.833333	51.458333	0.971	0.4740	7.8
RBC	8	424.166667	53.020833			
ABC	4	55.833333	13.958333	0.457	0.7655	8.4
RABC	8	244.166667	30.520833			
COMPLETE FACTORIAL AOV For Amapa Control % May-23-24 (Data Column 23)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	28146.733333				
R	2	99.633333	49.816667	4.140	0.0583	
A	1	1233.066667	1233.066667	204.942	0.0048	1.8
RA	2	12.033333	6.016667			
B	1	1904.066667	1904.066667	526.470	0.0019	1.4
RB	2	7.233333	3.616667			
AB	1	1161.600000	1161.600000	34.215	0.0280	6.2
RAB	2	67.900000	33.950000			
C	4	7412.900000	1853.225000	66.424	0.0001	4.0
RC	8	223.200000	27.900000			
AC	4	3633.766667	908.441667	22.148	0.0002	6.9
RAC	8	328.133333	41.016667			
BC	4	7015.433333	1753.858333	93.373	0.0001	4.7
RBC	8	150.266667	18.783333			
ABC	4	4801.233333	1200.308333	99.749	0.0001	5.3
RABC	8	96.266667	12.033333			
COMPLETE FACTORIAL AOV For Rapra Control % May-23-24 (Data Column 24)						
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)
Total	59	49872.600000				
R	2	937.300000	468.650000	6.612	0.0202	
A	1	666.666667	666.666667	3.912	0.1865	9.8
RA	2	340.833333	170.416667			
B	1	1520.066667	1520.066667	66.621	0.0147	3.6
RB	2	45.633333	22.816667			
AB	1	240.000000	240.000000	14.769	0.0615	4.3
RAB	2	32.500000	16.250000			
C	4	29237.433333	7309.358333	23.733	0.0002	13.3
RC	8	2463.866667	307.983333			
AC	4	435.166667	108.791667	1.611	0.2621	8.8
RAC	8	540.333333	67.541667			
BC	4	10698.433333	2674.608333	11.180	0.0023	16.6
RBC	8	1913.866667	239.233333			
ABC	4	233.500000	58.375000	0.824	0.5454	12.8
RABC	8	567.000000	70.875000			

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

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2							
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION					
Location: PONDER FARM		Investigator: Eric P. Prostko					
COMPLETE FACTORIAL AOV For Agrass Control % May-23-24 (Data Column 25)							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	59	27634.583333					
R	2	28.033333	14.016667	2.993	0.1071		
A	1	1550.416667	1550.416667	162.916	0.0061	2.3	
RA	2	19.033333	9.516667				
B	1	1848.150000	1848.150000	12321.000	0.0001	0.3	
RB	2	0.300000	0.150000				
AB	1	1550.416667	1550.416667	162.916	0.0061	3.3	
RAB	2	19.033333	9.516667				
C	4	5677.000000	1419.250000	603.936	0.0001	1.2	
RC	8	18.800000	2.350000				
AC	4	5423.000000	1355.750000	253.411	0.0001	2.5	
RAC	8	42.800000	5.350000				
BC	4	5594.600000	1398.650000	650.535	0.0001	1.6	
RBC	8	17.200000	2.150000				
ABC	4	5808.333333	1452.083333	310.053	0.0001	3.3	
RABC	8	37.466667	4.683333				
COMPLETE FACTORIAL AOV For ----- ZEAMA YIELD LBS/PLOT Aug-29-24 (Data Column 26) Missing values in column 26 results in unbalanced data, Least Squares Analysis is preferred							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	58	3190.183333					
R	2	1526.633333	763.316667	19.056	0.0015		
A	1	120.416667	120.416667	24.003	0.0392	1.7	
RA	2	10.033333	5.016667				
B	1	16.016667	16.016667	2.049	0.2886	2.1	
RB	2	15.633333	7.816667				
AB	1	16.016667	16.016667	0.812	0.4626	4.7	
RAB	2	39.433333	19.716667				
C	4	109.433333	27.358333	1.005	0.4589	4.0	
RC	8	217.866667	27.233333				
AC	4	53.500000	13.375000	0.661	0.6360	4.8	
RAC	8	161.800000	20.225000				
BC	4	45.566667	11.391667	0.427	0.7858	5.5	
RBC	8	213.533333	26.691667				
ABC	4	363.900000	90.975000	2.271	0.1619	9.8	
RABC	7	280.400000	40.057143				
COMPLETE FACTORIAL AOV For ----- ZEAMA YIELD BU/A Aug-29-24 (Data Column 27) Missing values in column 27 results in unbalanced data, Least Squares Analysis is preferred							
Source	DF	Sum of Squares	Mean Square	F	Prob(F)	LSD (.10)	
Total	58	87114.149164					
R	2	41687.686889	20843.843445	19.056	0.0015		
A	1	3288.210854	3288.210854	24.003	0.0392	8.8	
RA	2	273.979645	136.989822				
B	1	437.366177	437.366177	2.049	0.2886	11.0	
RB	2	426.898516	213.449258				
AB	1	437.366177	437.366177	0.812	0.4626	24.7	
RAB	2	1076.803720	538.401860				
C	4	2988.289615	747.072404	1.005	0.4589	20.7	
RC	8	5949.272288	743.659036				
AC	4	1460.921362	365.230340	0.661	0.6360	25.2	
RAC	8	4418.263110	552.282889				
BC	4	1244.286294	311.071573	0.427	0.7858	29.0	
RBC	8	5830.942209	728.867776				
ABC	4	9936.995956	2484.248989	2.271	0.1619	51.2	
RABC	7	7656.866353	1093.838050				
Rating Unit							
% = PERCENT							
ARM Action Codes							
TY1 = 5.2256044*[26]							

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.

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP											
YEAR 2											
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION											
Location: PONDER FARM Investigator: Eric P. Prostko											
Weed Code							Zeama	Amapa	Agrass	Rapra	Zeama
Crop Code							Stunting	Control	Control	Control	Stunting
Rating Data Type							%	%	%	%	%
Rating Unit											
Rating Date							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	2	3	4	5
1	NO PRE					101	0.0	0.0	0.0	0.0	0.0
	NO LIBERTY					205	0.0	0.0	0.0	0.0	0.0
	NO HPPD					302	0.0	0.0	0.0	0.0	0.0
	Mean =						0.0	0.0	0.0	0.0	0.0
2	NO PRE					102	0.0	0.0	0.0	0.0	0.0
	NO LIBERTY					215	0.0	0.0	0.0	0.0	0.0
	CALLISTO	4 SC		3.0 oz/a	POST B	318	0.0	0.0	0.0	0.0	0.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
	Mean =						0.0	0.0	0.0	0.0	0.0
3	NO PRE					103	0.0	0.0	0.0	0.0	0.0
	NO LIBERTY					216	0.0	0.0	0.0	0.0	0.0
	LAUDIS	3.5 SC		3.0 oz/a	POST B	317	0.0	0.0	0.0	0.0	0.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
	Mean =						0.0	0.0	0.0	0.0	0.0
4	NO PRE					104	0.0	0.0	0.0	0.0	0.0
	NO LIBERTY					206	0.0	0.0	0.0	0.0	0.0
	IMPACT	2.8 SC		1.25 oz/a	POST B	310	0.0	0.0	0.0	0.0	0.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
	Mean =						0.0	0.0	0.0	0.0	0.0
5	NO PRE					105	0.0	0.0	0.0	0.0	0.0
	NO LIBERTY					217	0.0	0.0	0.0	0.0	0.0
	SHIELDDEX	3.33 SC		1.35 oz/a	POST B	315	0.0	0.0	0.0	0.0	0.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
	Mean =						0.0	0.0	0.0	0.0	0.0
6	NO PRE					106	0.0	0.0	0.0	0.0	0.0
	LIBERTY	2.34 SL		32.0 oz/a	POST B	218	0.0	0.0	0.0	0.0	0.0
	NO HPPD					304	0.0	0.0	0.0	0.0	0.0
	Mean =						0.0	0.0	0.0	0.0	0.0
7	NO PRE					107	0.0	0.0	0.0	0.0	0.0
	LIBERTY	2.34 SL		32.0 oz/a	POST B	219	0.0	0.0	0.0	0.0	0.0
	CALLISTO	4 SC		3.0 oz/a	POST B	314	0.0	0.0	0.0	0.0	0.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
	Mean =						0.0	0.0	0.0	0.0	0.0
8	NO PRE					108	0.0	0.0	0.0	0.0	0.0
	LIBERTY	2.34 SL		32.0 oz/a	POST B	213	0.0	0.0	0.0	0.0	0.0
	LAUDIS	3.5 SC		3.0 oz/a	POST B	303	0.0	0.0	0.0	0.0	0.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
	Mean =						0.0	0.0	0.0	0.0	0.0
9	NO PRE					109	0.0	0.0	0.0	0.0	0.0
	LIBERTY	2.34 SL		32.0 oz/a	POST B	210	0.0	0.0	0.0	0.0	0.0
	IMPACT	2.8 SC		1.25 oz/a	POST B	308	0.0	0.0	0.0	0.0	0.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
	Mean =						0.0	0.0	0.0	0.0	0.0

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2												
Trial ID: CN-01-24			Study Dir.: N. SHAY/GA CORN COMMISSION									
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 %	Amapa Control %
							Apr-15-24	Apr-15-24	Apr-15-24	Apr-15-24	Apr-22-24	Apr-22-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code Plot	1	2	3	4	5	6
10	NO PRE					110	0.0	0.0	0.0	0.0	0.0	0.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	202	0.0	0.0	0.0	0.0	0.0	0.0
	SHIELDDEX	3.33	SC	1.35 oz/a	POST B	305	0.0	0.0	0.0	0.0	0.0	0.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							0.0	0.0	0.0	0.0	0.0	0.0
11	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	111	0.0	99.0	99.0	0.0	0.0	90.0
	NO LIBERTY					220	0.0	99.0	99.0	50.0	0.0	95.0
	NO HPPD					301	0.0	99.0	99.0	50.0	10.0	95.0
	Mean =							0.0	99.0	99.0	33.3	3.3
12	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	112	0.0	99.0	99.0	0.0	0.0	90.0
	NO LIBERTY					209	0.0	99.0	99.0	50.0	0.0	90.0
	CALLISTO	4	SC	3.0 oz/a	POST B	307	0.0	99.0	99.0	0.0	10.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							0.0	99.0	99.0	16.7	3.3	91.7
13	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	113	0.0	99.0	99.0	50.0	0.0	95.0
	NO LIBERTY					203	0.0	99.0	99.0	0.0	0.0	99.0
	LAUDIS	3.5	SC	3.0 oz/a	POST B	311	0.0	99.0	99.0	50.0	0.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							0.0	99.0	99.0	33.3	0.0	96.3
14	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	114	0.0	99.0	99.0	50.0	0.0	95.0
	NO LIBERTY					208	0.0	99.0	99.0	50.0	0.0	85.0
	IMPACT	2.8	SC	1.25 oz/a	POST B	313	0.0	99.0	99.0	50.0	10.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							0.0	99.0	99.0	50.0	3.3	91.7
15	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	115	0.0	99.0	99.0	50.0	0.0	95.0
	NO LIBERTY					207	0.0	99.0	99.0	90.0	0.0	95.0
	SHIELDDEX	3.33	SC	1.35 oz/a	POST B	312	0.0	99.0	99.0	0.0	0.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							0.0	99.0	99.0	46.7	0.0	95.0
16	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	116	0.0	99.0	99.0	50.0	0.0	99.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	211	0.0	99.0	99.0	50.0	10.0	95.0
	NO HPPD					320	0.0	99.0	99.0	0.0	0.0	95.0
	Mean =							0.0	99.0	99.0	33.3	3.3
17	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	117	0.0	99.0	99.0	50.0	0.0	99.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	214	0.0	99.0	99.0	50.0	0.0	99.0
	CALLISTO	4	SC	3.0 oz/a	POST B	309	0.0	99.0	99.0	50.0	0.0	92.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							0.0	99.0	99.0	50.0	0.0	96.7
18	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	118	0.0	99.0	99.0	0.0	0.0	99.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	204	0.0	99.0	99.0	0.0	0.0	99.0
	LAUDIS	3.5	SC	3.0 oz/a	POST B	306	0.0	99.0	99.0	0.0	0.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							0.0	99.0	99.0	0.0	0.0	97.7

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP											
YEAR 2											
Trial ID: CN-01-24			Study Dir.: N. SHAY/GA CORN COMMISSION								
Location: PONDER FARM			Investigator: Eric P. Prostko								
Weed Code							Zeama	Amapa	Agrass	Rapra	Amapa
Crop Code							Stunting	Control	Control	Control	Control
Rating Data Type							%	%	%	%	%
Rating Unit											
Rating Date							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	2	3
									4	5	6
19	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	119	0.0	99.0	99.0
	LIBERTY	2.34	SL	32.0	oz/a	POST	B	212	0.0	99.0	99.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	319	0.0	99.0	99.0
	PROWL H2O	3.8	SC	32.0	oz/a	POST	B				
	INDUCE			0.25	% v/v	POST	B				
						Mean =			0.0	99.0	99.0
									33.3	6.7	97.7
20	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	120	0.0	99.0	99.0
	LIBERTY	2.34	SL	32.0	oz/a	POST	B	201	0.0	99.0	99.0
	SHIELDEX	3.33	SC	1.35	oz/a	POST	B	316	0.0	99.0	99.0
	PROWL H2O	3.8	SC	32.0	oz/a	POST	B				
	INDUCE			0.25	% v/v	POST	B				
						Mean =			0.0	99.0	99.0
									16.7	3.3	97.7

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP											
YEAR 2											
Trial ID: CN-01-24 Study Dir.: N. SHAY/GA CORN COMMISSION											
Location: PONDER FARM Investigator: Eric P. Prostko											
Weed Code							Agrass	Rapra	Zeama	Zeama	Amapa
Crop Code							Control	Control	Stunting	Bleaching	Necrosis
Rating Data Type							%	%	%	%	%
Rating Unit							Apr-22-24	Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24
Rating Date											
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot			
1	NO PRE						101		0.0	0.0	0.0
	NO LIBERTY						205		0.0	0.0	0.0
	NO HPPD						302		0.0	0.0	0.0
							Mean =		0.0	0.0	0.0
2	NO PRE						102		0.0	0.0	95.0
	NO LIBERTY						215		0.0	0.0	95.0
	CALLISTO	4 SC		3.0 oz/a		POST B	318		0.0	0.0	90.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
							Mean =		0.0	0.0	93.3
3	NO PRE						103		0.0	0.0	95.0
	NO LIBERTY						216		0.0	0.0	90.0
	LAUDIS	3.5 SC		3.0 oz/a		POST B	317		0.0	0.0	95.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
							Mean =		0.0	0.0	93.3
4	NO PRE						104		0.0	0.0	95.0
	NO LIBERTY						206		0.0	0.0	95.0
	IMPACT	2.8 SC		1.25 oz/a		POST B	310		0.0	0.0	95.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
							Mean =		0.0	0.0	95.0
5	NO PRE						105		0.0	0.0	95.0
	NO LIBERTY						217		0.0	0.0	95.0
	SHIELDDEX	3.33 SC		1.35 oz/a		POST B	315		0.0	0.0	95.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
							Mean =		0.0	0.0	95.0
6	NO PRE						106		0.0	0.0	95.0
	LIBERTY	2.34 SL		32.0 oz/a		POST B	218		0.0	0.0	95.0
	NO HPPD						304		0.0	0.0	95.0
							Mean =		0.0	0.0	95.0
7	NO PRE						107		0.0	0.0	75.0
	LIBERTY	2.34 SL		32.0 oz/a		POST B	219		0.0	0.0	95.0
	CALLISTO	4 SC		3.0 oz/a		POST B	314		0.0	0.0	95.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
							Mean =		0.0	0.0	88.3
8	NO PRE						108		0.0	0.0	90.0
	LIBERTY	2.34 SL		32.0 oz/a		POST B	213		0.0	0.0	95.0
	LAUDIS	3.5 SC		3.0 oz/a		POST B	303		0.0	0.0	95.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
							Mean =		0.0	0.0	93.3
9	NO PRE						109		0.0	0.0	99.0
	LIBERTY	2.34 SL		32.0 oz/a		POST B	210		0.0	0.0	95.0
	IMPACT	2.8 SC		1.25 oz/a		POST B	308		0.0	0.0	95.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
							Mean =		0.0	0.0	96.3

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2												
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Agrass Control % Apr-22-24	Rapra Control % Apr-22-24	Zeama Stunting % Apr-29-24	Zeama Bleaching % Apr-29-24	Zeama Necrosis % Apr-29-24	Amapa Control % Apr-29-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code Plot	7	8	9	10	11	12
10	NO PRE					110	0.0	0.0	0.0	5.0	0.0	99.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	202	0.0	0.0	5.0	5.0	0.0	95.0
	SHIELDDEX	3.33	SC	1.35 oz/a	POST B	305	0.0	0.0	0.0	5.0	0.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						0.0	0.0	1.7	5.0	0.0	96.3
11	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A 111	99.0	0.0	0.0	0.0	0.0	90.0
	NO LIBERTY					220	95.0	0.0	0.0	0.0	0.0	90.0
	NO HPPD					301	95.0	0.0	5.0	0.0	0.0	95.0
		Mean =						96.3	0.0	1.7	0.0	91.7
12	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A 112	95.0	0.0	0.0	5.0	5.0	90.0
	NO LIBERTY					209	99.0	60.0	10.0	0.0	5.0	95.0
	CALLISTO	4	SC	3.0 oz/a	POST B	307	95.0	0.0	5.0	0.0	0.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						96.3	20.0	5.0	1.7	3.3	93.3
13	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A 113	95.0	50.0	5.0	0.0	0.0	75.0
	NO LIBERTY					203	99.0	0.0	0.0	0.0	0.0	90.0
	LAUDIS	3.5	SC	3.0 oz/a	POST B	311	95.0	0.0	0.0	5.0	5.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						96.3	16.7	1.7	1.7	1.7	86.7
14	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A 114	95.0	50.0	0.0	0.0	5.0	85.0
	NO LIBERTY					208	99.0	65.0	10.0	5.0	0.0	85.0
	IMPACT	2.8	SC	1.25 oz/a	POST B	313	95.0	0.0	5.0	5.0	0.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						96.3	38.3	5.0	3.3	1.7	88.3
15	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A 115	95.0	50.0	0.0	5.0	0.0	85.0
	NO LIBERTY					207	99.0	65.0	0.0	5.0	0.0	85.0
	SHIELDDEX	3.33	SC	1.35 oz/a	POST B	312	95.0	0.0	0.0	0.0	0.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						96.3	38.3	0.0	3.3	0.0	88.3
16	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A 116	99.0	90.0	0.0	0.0	5.0	90.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	211	95.0	30.0	5.0	0.0	5.0	90.0
	NO HPPD					320	95.0	0.0	5.0	0.0	0.0	90.0
		Mean =						96.3	40.0	3.3	0.0	3.3
17	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A 117	99.0	65.0	10.0	0.0	5.0	90.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	214	95.0	50.0	10.0	0.0	0.0	90.0
	CALLISTO	4	SC	3.0 oz/a	POST B	309	95.0	30.0	0.0	0.0	0.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						96.3	48.3	6.7	0.0	1.7	91.7
18	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A 118	99.0	0.0	10.0	0.0	5.0	90.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	204	99.0	0.0	0.0	0.0	0.0	95.0
	LAUDIS	3.5	SC	3.0 oz/a	POST B	306	95.0	0.0	0.0	0.0	0.0	90.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						97.7	0.0	3.3	0.0	1.7	91.7

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP												
YEAR 2												
Trial ID: CN-01-24			Study Dir.: N. SHAY/GA CORN COMMISSION									
Location: PONDER FARM			Investigator: Eric P. Prostko									
Weed Code							Agrass	Rapra	Zeama	Zeama	Zeama	Amapa
Crop Code							Control	Control	Stunting	Bleaching	Necrosis	Control
Rating Data Type							%	%	%	%	%	%
Rating Unit							Apr-22-24	Apr-22-24	Apr-29-24	Apr-29-24	Apr-29-24	Apr-29-24
Rating Date												
Trt	Treatment	Form	Form	Rate	Grow	Appl						
No.	Name	Conc	Type	Rate	Stg	Code	Plot	7	8	9	10	11
19	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	119	99.0	0.0	10.0	0.0	0.0
	LIBERTY	2.34	SL	32.0 oz/a	POST	B	212	95.0	50.0	15.0	5.0	95.0
	IMPACT	2.8	SC	1.25 oz/a	POST	B	319	95.0	20.0	5.0	0.0	95.0
	PROWL H20	3.8	SC	32.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
							Mean =	96.3	23.3	10.0	1.7	3.3
20	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A	120	99.0	0.0	10.0	0.0	95.0
	LIBERTY	2.34	SL	32.0 oz/a	POST	B	201	99.0	0.0	5.0	0.0	95.0
	SHIELDX	3.33	SC	1.35 oz/a	POST	B	316	95.0	30.0	5.0	0.0	85.0
	PROWL H20	3.8	SC	32.0 oz/a	POST	B						
	INDUCE			0.25 % v/v	POST	B						
							Mean =	97.7	10.0	6.7	0.0	1.7

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP											
YEAR 2											
Trial ID: CN-01-24			Study Dir.: N. SHAY/GA CORN COMMISSION								
Location: PONDER FARM			Investigator: Eric P. Prostko								
Weed Code							Rapra	Agrass	Molve	Zeama	Amapa
Crop Code							Control	Control	Control	Zeama	Zeama
Rating Data Type							%	%	%	Stunting	Bleaching
Rating Unit							%	%	%	%	%
Rating Date							Apr-29-24	Apr-29-24	Apr-29-24	May-9-24	May-9-24
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	13	14	15	16	17
1	NO PRE					101	0.0	0.0	0.0	0.0	0.0
	NO LIBERTY					205	0.0	0.0	0.0	0.0	0.0
	NO HPPD					302	0.0	0.0	0.0	0.0	0.0
						Mean =	0.0	0.0	0.0	0.0	0.0
2	NO PRE					102	65.0	90.0	99.0	0.0	85.0
	NO LIBERTY					215	65.0	95.0	99.0	0.0	85.0
	CALLISTO	4 SC		3.0 oz/a	POST B	318	65.0	90.0	99.0	0.0	95.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
						Mean =	65.0	91.7	99.0	0.0	88.3
3	NO PRE					103	65.0	90.0	99.0	0.0	99.0
	NO LIBERTY					216	60.0	95.0	99.0	5.0	99.0
	LAUDIS	3.5 SC		3.0 oz/a	POST B	317	60.0	95.0	99.0	5.0	95.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
						Mean =	61.7	93.3	99.0	3.3	97.7
4	NO PRE					104	60.0	95.0	99.0	10.0	99.0
	NO LIBERTY					206	65.0	95.0	99.0	0.0	99.0
	IMPACT	2.8 SC		1.25 oz/a	POST B	310	60.0	90.0	99.0	0.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
						Mean =	61.7	93.3	99.0	3.3	99.0
5	NO PRE					105	60.0	95.0	99.0	0.0	99.0
	NO LIBERTY					217	65.0	95.0	99.0	5.0	95.0
	SHIELDDEX	3.33 SC		1.35 oz/a	POST B	315	60.0	99.0	99.0	5.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
						Mean =	61.7	96.3	99.0	3.3	97.7
6	NO PRE					106	30.0	99.0	99.0	0.0	99.0
	LIBERTY	2.34 SL		32.0 oz/a	POST B	218	0.0	95.0	99.0	0.0	90.0
	NO HPPD					304	30.0	95.0	99.0	5.0	99.0
						Mean =	20.0	96.3	99.0	1.7	96.0
7	NO PRE					107	50.0	95.0	95.0	10.0	90.0
	LIBERTY	2.34 SL		32.0 oz/a	POST B	219	70.0	95.0	99.0	0.0	99.0
	CALLISTO	4 SC		3.0 oz/a	POST B	314	65.0	95.0	99.0	5.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
						Mean =	61.7	95.0	97.7	5.0	96.0
8	NO PRE					108	60.0	95.0	99.0	10.0	95.0
	LIBERTY	2.34 SL		32.0 oz/a	POST B	213	60.0	95.0	99.0	15.0	95.0
	LAUDIS	3.5 SC		3.0 oz/a	POST B	303	65.0	95.0	99.0	0.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
						Mean =	61.7	95.0	99.0	8.3	96.3
9	NO PRE					109	50.0	95.0	99.0	5.0	90.0
	LIBERTY	2.34 SL		32.0 oz/a	POST B	210	60.0	95.0	99.0	15.0	99.0
	IMPACT	2.8 SC		1.25 oz/a	POST B	308	65.0	95.0	99.0	5.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a	POST B						
	INDUCE			0.25 % v/v	POST B						
						Mean =	58.3	95.0	99.0	8.3	96.0

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2												
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION										
Location: PONDER FARM		Investigator: Eric P. Prostko										
Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Rapra Control % Apr-29-24	Agrass Control % Apr-29-24	Molve Control % Apr-29-24	Zeama Stunting % May-9-24	Zeama Bleaching % May-9-24	Amapa Control % May-9-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code Plot	13	14	15	16	17	18
10	NO PRE					110	50.0	95.0	99.0	5.0	5.0	95.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	202	60.0	95.0	99.0	0.0	5.0	99.0
	SHIELDDEX	3.33	SC	1.35 oz/a	POST B	305	60.0	95.0	99.0	5.0	0.0	99.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						56.7	95.0	99.0	3.3	3.3	97.7
11	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	111	0.0	95.0	0.0	0.0	5.0	85.0
	NO LIBERTY					220	0.0	95.0	0.0	0.0	0.0	85.0
	NO HPPD					301	0.0	95.0	0.0	5.0	0.0	95.0
	Mean =						0.0	95.0	0.0	1.7	1.7	88.3
12	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	112	0.0	95.0	0.0	0.0	0.0	95.0
	NO LIBERTY					209	0.0	95.0	0.0	20.0	5.0	99.0
	CALLISTO	4	SC	3.0 oz/a	POST B	307	0.0	95.0	0.0	5.0	0.0	99.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						0.0	95.0	0.0	8.3	1.7	97.7
13	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	113	0.0	95.0	0.0	0.0	0.0	99.0
	NO LIBERTY					203	0.0	95.0	0.0	10.0	5.0	99.0
	LAUDIS	3.5	SC	3.0 oz/a	POST B	311	0.0	95.0	0.0	5.0	0.0	99.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						0.0	95.0	0.0	5.0	1.7	99.0
14	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	114	0.0	95.0	0.0	0.0	0.0	99.0
	NO LIBERTY					208	0.0	95.0	0.0	10.0	0.0	99.0
	IMPACT	2.8	SC	1.25 oz/a	POST B	313	0.0	95.0	0.0	5.0	0.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						0.0	95.0	0.0	5.0	0.0	97.7
15	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	115	0.0	95.0	0.0	0.0	0.0	99.0
	NO LIBERTY					207	0.0	95.0	0.0	0.0	0.0	99.0
	SHIELDDEX	3.33	SC	1.35 oz/a	POST B	312	0.0	95.0	0.0	5.0	5.0	99.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						0.0	95.0	0.0	1.7	1.7	99.0
16	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	116	0.0	95.0	0.0	5.0	0.0	95.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	211	0.0	95.0	0.0	15.0	10.0	99.0
	NO HPPD					320	0.0	95.0	0.0	5.0	5.0	95.0
	Mean =						0.0	95.0	0.0	8.3	5.0	96.3
17	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	117	0.0	95.0	0.0	10.0	5.0	99.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	214	0.0	95.0	0.0	20.0	5.0	99.0
	CALLISTO	4	SC	3.0 oz/a	POST B	309	0.0	90.0	99.0	5.0	0.0	99.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						0.0	93.3	33.0	11.7	3.3	99.0
18	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	118	0.0	95.0	0.0	10.0	0.0	99.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	204	0.0	95.0	0.0	0.0	0.0	99.0
	LAUDIS	3.5	SC	3.0 oz/a	POST B	306	0.0	95.0	0.0	5.0	0.0	99.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
	Mean =						0.0	95.0	0.0	5.0	0.0	99.0

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP											
YEAR 2											
Trial ID: CN-01-24			Study Dir.: N. SHAY/GA CORN COMMISSION								
Location: PONDER FARM			Investigator: Eric P. Prostko								
Weed Code							Rapra	Agrass	Molve	Zeama	Amapa
Crop Code							Control	Control	Control	Stunting	Bleaching
Rating Data Type							%	%	%	%	%
Rating Unit											
Rating Date							Apr-29-24	Apr-29-24	Apr-29-24	May-9-24	May-9-24
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot			
19	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	119	13	14	15
	LIBERTY	2.34	SL	32.0	oz/a	POST	B	212	0.0	95.0	0.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	319	0.0	95.0	0.0
	PROWL H2O	3.8	SC	32.0	oz/a	POST	B		10.0	20.0	5.0
	INDUCE			0.25	% v/v	POST	B		10.0	10.0	0.0
								Mean =	0.0	95.0	0.0
									13.3	1.7	99.0
20	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	120	0.0	95.0	0.0
	LIBERTY	2.34	SL	32.0	oz/a	POST	B	201	0.0	95.0	0.0
	SHIELDEX	3.33	SC	1.35	oz/a	POST	B	316	0.0	90.0	0.0
	PROWL H2O	3.8	SC	32.0	oz/a	POST	B		10.0	10.0	5.0
	INDUCE			0.25	% v/v	POST	B		10.0	10.0	0.0
								Mean =	0.0	93.3	0.0
									10.0	3.3	99.0

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP											
YEAR 2											
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION									
Location: PONDER FARM		Investigator: Eric P. Prostko									
Weed Code							Rapra	Agrass	Molve	Zeama	Amapa
Crop Code							Control	Conttol	Control	Stunting	Control
Rating Data Type							%	%	%	%	%
Rating Unit							May-9-24	May-9-24	May-9-24	May-23-24	May-23-24
Rating Date											
Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot			
1	NO PRE						101		0.0	0.0	0.0
	NO LIBERTY						205		0.0	0.0	0.0
	NO HPPD						302		0.0	0.0	0.0
	Mean =								0.0	0.0	0.0
2	NO PRE						102		95.0	99.0	99.0
	NO LIBERTY						215		95.0	90.0	99.0
	CALLISTO	4 SC		3.0 oz/a		POST B	318		95.0	80.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
	Mean =								95.0	89.7	99.0
3	NO PRE						103		95.0	95.0	99.0
	NO LIBERTY						216		50.0	99.0	99.0
	LAUDIS	3.5 SC		3.0 oz/a		POST B	317		80.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
	Mean =								75.0	97.7	99.0
4	NO PRE						104		95.0	95.0	99.0
	NO LIBERTY						206		85.0	95.0	99.0
	IMPACT	2.8 SC		1.25 oz/a		POST B	310		90.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
	Mean =								90.0	96.3	99.0
5	NO PRE						105		80.0	99.0	99.0
	NO LIBERTY						217		80.0	99.0	99.0
	SHIELDDEX	3.33 SC		1.35 oz/a		POST B	315		80.0	95.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
	Mean =								80.0	97.7	99.0
6	NO PRE						106		75.0	99.0	99.0
	LIBERTY	2.34 SL		32.0 oz/a		POST B	218		20.0	99.0	99.0
	NO HPPD						304		40.0	99.0	99.0
	Mean =								45.0	99.0	99.0
7	NO PRE						107		90.0	99.0	99.0
	LIBERTY	2.34 SL		32.0 oz/a		POST B	219		99.0	99.0	99.0
	CALLISTO	4 SC		3.0 oz/a		POST B	314		99.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
	Mean =								96.0	99.0	99.0
8	NO PRE						108		80.0	99.0	99.0
	LIBERTY	2.34 SL		32.0 oz/a		POST B	213		70.0	99.0	99.0
	LAUDIS	3.5 SC		3.0 oz/a		POST B	303		85.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
	Mean =								78.3	99.0	99.0
9	NO PRE						109		85.0	95.0	99.0
	LIBERTY	2.34 SL		32.0 oz/a		POST B	210		90.0	99.0	99.0
	IMPACT	2.8 SC		1.25 oz/a		POST B	308		80.0	99.0	99.0
	PROWL H2O	3.8 SC		32.0 oz/a		POST B					
	INDUCE			0.25 % v/v		POST B					
	Mean =								85.0	97.7	99.0

University of Georgia

WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP												
YEAR 2												
Trial ID: CN-01-24			Study Dir.: N. SHAY/GA CORN COMMISSION									
Location: PONDER FARM			Investigator: Eric P. Prostko									
Weed Code							Rapra	Agrass	Molve	Zeama	Amapa	Rapra
Crop Code							Control	Conttol	Control	Stunting	Control	Control
Rating Data Type							%	%	%	%	%	%
Rating Unit							May-9-24	May-9-24	May-9-24	May-23-24	May-23-24	May-23-24
Rating Date												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Stg	Appl Code Plot	19	20	21	22	23	24
10	NO PRE					110	75.0	95.0	99.0	10.0	95.0	75.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	202	65.0	99.0	99.0	5.0	99.0	65.0
	SHIELDDEX	3.33	SC	1.35 oz/a	POST B	305	50.0	95.0	99.0	5.0	99.0	50.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							63.3	96.3	99.0	6.7	97.7	63.3
11	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	111	0.0	95.0	0.0	10.0	65.0	0.0
	NO LIBERTY					220	0.0	95.0	50.0	0.0	99.0	0.0
	NO HPPD					301	0.0	95.0	0.0	0.0	90.0	0.0
Mean =							0.0	95.0	16.7	3.3	84.7	0.0
12	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	112	95.0	95.0	99.0	10.0	99.0	85.0
	NO LIBERTY					209	90.0	90.0	99.0	20.0	95.0	90.0
	CALLISTO	4	SC	3.0 oz/a	POST B	307	90.0	95.0	99.0	0.0	99.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							91.7	93.3	99.0	10.0	97.7	90.0
13	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	113	90.0	95.0	99.0	0.0	99.0	90.0
	NO LIBERTY					203	60.0	95.0	99.0	10.0	99.0	60.0
	LAUDIS	3.5	SC	3.0 oz/a	POST B	311	95.0	95.0	99.0	0.0	95.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							81.7	95.0	99.0	3.3	97.7	81.7
14	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	114	99.0	99.0	99.0	0.0	95.0	90.0
	NO LIBERTY					208	95.0	95.0	75.0	15.0	99.0	90.0
	IMPACT	2.8	SC	1.25 oz/a	POST B	313	80.0	99.0	90.0	5.0	95.0	90.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							91.3	97.7	88.0	6.7	96.3	90.0
15	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	115	95.0	99.0	95.0	0.0	99.0	90.0
	NO LIBERTY					207	95.0	99.0	95.0	0.0	99.0	99.0
	SHIELDDEX	3.33	SC	1.35 oz/a	POST B	312	80.0	99.0	99.0	5.0	99.0	85.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							90.0	99.0	96.3	1.7	99.0	91.3
16	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	116	85.0	95.0	99.0	0.0	90.0	80.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	211	75.0	99.0	99.0	15.0	99.0	60.0
	NO HPPD					320	50.0	99.0	99.0	0.0	95.0	50.0
Mean =							70.0	97.7	99.0	5.0	94.7	63.3
17	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	117	95.0	99.0	99.0	20.0	99.0	90.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	214	99.0	99.0	99.0	15.0	99.0	95.0
	CALLISTO	4	SC	3.0 oz/a	POST B	309	99.0	99.0	99.0	0.0	99.0	95.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							97.7	99.0	99.0	11.7	99.0	93.3
18	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	118	95.0	99.0	99.0	20.0	99.0	90.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	204	90.0	99.0	99.0	5.0	90.0	85.0
	LAUDIS	3.5	SC	3.0 oz/a	POST B	306	95.0	99.0	99.0	0.0	99.0	90.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B							
	INDUCE			0.25 % v/v	POST B							
Mean =							93.3	99.0	99.0	8.3	96.0	88.3

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP														
YEAR 2														
Trial ID: CN-01-24			Study Dir.: N. SHAY/GA CORN COMMISSION											
Location: PONDER FARM			Investigator: Eric P. Prostko											
Weed Code							Rapra	Agrass	Molve	Zeama	Amapa	Rapra		
Crop Code							Control	Conttol	Control	Stunting	Control	Control		
Rating Data Type							%	%	%	%	%	%		
Rating Unit							May-9-24	May-9-24	May-9-24	May-23-24	May-23-24	May-23-24		
Rating Date														
Trt	Treatment	Form	Form	Rate	Grow	Appl								
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	19	20	21	22	23	24
19	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	119	95.0	99.0	99.0	20.0	99.0	90.0
	LIBERTY	2.34	SL	32.0	oz/a	POST	B	212	99.0	99.0	90.0	25.0	99.0	90.0
	IMPACT	2.8	SC	1.25	oz/a	POST	B	319	95.0	99.0	99.0	5.0	99.0	90.0
	PROWL H2O	3.8	SC	32.0	oz/a	POST	B							
	INDUCE			0.25	% v/v	POST	B							
								Mean =	96.3	99.0	96.0	16.7	99.0	90.0
20	DUAL II MAGNUM	7.64	EC	16.0	oz/a	PRE	A	120	90.0	99.0	99.0	20.0	99.0	85.0
	LIBERTY	2.34	SL	32.0	oz/a	POST	B	201	90.0	99.0	95.0	15.0	99.0	85.0
	SHIELDEX	3.33	SC	1.35	oz/a	POST	B	316	95.0	99.0	99.0	10.0	99.0	95.0
	PROWL H2O	3.8	SC	32.0	oz/a	POST	B							
	INDUCE			0.25	% v/v	POST	B							
								Mean =	91.7	99.0	97.7	15.0	99.0	88.3

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP									
YEAR 2									
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code							Agrass	-----	-----
Crop Code							Control	ZEAMA	ZEAMA
Rating Data Type							%	YIELD	YIELD
Rating Unit								LBS/PLOT	BU/A
Rating Date							May-23-24	Aug-29-24	Aug-29-24
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	25	26	27
1	NO PRE					101	0.0	19.0	99.3
	NO LIBERTY					205	0.0	15.0	78.4
	NO HPPD					302	0.0	36.0	188.1
	Mean =						0.0	23.3	121.9
2	NO PRE					102	99.0	23.0	120.2
	NO LIBERTY					215	90.0	29.0	151.5
	CALLISTO	4 SC		3.0 oz/a	POST B	318	90.0	38.0	198.6
	PROWL H2O	3.8 SC		32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
Mean =							93.0	30.0	156.8
3	NO PRE					103	99.0	27.0	141.1
	NO LIBERTY					216	95.0	30.0	156.8
	LAUDIS	3.5 SC		3.0 oz/a	POST B	317	95.0	39.0	203.8
	PROWL H2O	3.8 SC		32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
Mean =							96.3	32.0	167.2
4	NO PRE					104	99.0		
	NO LIBERTY					206	99.0	23.0	120.2
	IMPACT	2.8 SC		1.25 oz/a	POST B	310	99.0	39.0	203.8
	PROWL H2O	3.8 SC		32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
Mean =							99.0	31.0	162.0
5	NO PRE					105	99.0	32.0	167.2
	NO LIBERTY					217	99.0	36.0	188.1
	SHIELDDEX	3.33 SC		1.35 oz/a	POST B	315	95.0	43.0	224.7
	PROWL H2O	3.8 SC		32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
Mean =							97.7	37.0	193.3
6	NO PRE					106	99.0	32.0	167.2
	LIBERTY	2.34 SL		32.0 oz/a	POST B	218	99.0	36.0	188.1
	NO HPPD					304	99.0	39.0	203.8
	Mean =						99.0	35.7	186.4
7	NO PRE					107	99.0	32.0	167.2
	LIBERTY	2.34 SL		32.0 oz/a	POST B	219	99.0	37.0	193.3
	CALLISTO	4 SC		3.0 oz/a	POST B	314	95.0	36.0	188.1
	PROWL H2O	3.8 SC		32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
Mean =							97.7	35.0	182.9
8	NO PRE					108	99.0	19.0	99.3
	LIBERTY	2.34 SL		32.0 oz/a	POST B	213	99.0	26.0	135.9
	LAUDIS	3.5 SC		3.0 oz/a	POST B	303	99.0	43.0	224.7
	PROWL H2O	3.8 SC		32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
Mean =							99.0	29.3	153.3
9	NO PRE					109	99.0	34.0	177.7
	LIBERTY	2.34 SL		32.0 oz/a	POST B	210	99.0	27.0	141.1
	IMPACT	2.8 SC		1.25 oz/a	POST B	308	99.0	33.0	172.4
	PROWL H2O	3.8 SC		32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
Mean =							99.0	31.3	163.7

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2									
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code Crop Code Rating Data Type Rating Unit Rating Date							Agrass Control % May-23-24	----- ZEAMA YIELD LBS/PLOT Aug-29-24	----- ZEAMA YIELD BU/A Aug-29-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code Plot	25	26	27
10	NO PRE					110	99.0	33.0	172.4
	LIBERTY	2.34	SL	32.0 oz/a	POST B	202	99.0	27.0	141.1
	SHIELDDEX	3.33	SC	1.35 oz/a	POST B	305	95.0	37.0	193.3
	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
	Mean =						97.7	32.3	169.0
11	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	111	95.0	37.0	193.3
	NO LIBERTY					220	99.0	28.0	146.3
	NO HPPD					301	99.0	32.0	167.2
	Mean =						97.7	32.3	169.0
12	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	112	90.0	36.0	188.1
	NO LIBERTY					209	99.0	26.0	135.9
	CALLISTO	4	SC	3.0 oz/a	POST B	307	90.0	33.0	172.4
	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
	Mean =						93.0	31.7	165.5
13	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	113	99.0	15.0	78.4
	NO LIBERTY					203	99.0	20.0	104.5
	LAUDIS	3.5	SC	3.0 oz/a	POST B	311	99.0	38.0	198.6
	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
	Mean =						99.0	24.3	127.2
14	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	114	99.0	18.0	94.1
	NO LIBERTY					208	99.0	27.0	141.1
	IMPACT	2.8	SC	1.25 oz/a	POST B	313	99.0	37.0	193.3
	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
	Mean =						99.0	27.3	142.8
15	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	115	99.0	20.0	104.5
	NO LIBERTY					207	99.0	26.0	135.9
	SHIELDDEX	3.33	SC	1.35 oz/a	POST B	312	99.0	40.0	209.0
	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
	Mean =						99.0	28.7	149.8
16	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	116	99.0	22.0	115.0
	LIBERTY	2.34	SL	32.0 oz/a	POST B	211	99.0	27.0	141.1
	NO HPPD					320	95.0	36.0	188.1
	Mean =						97.7	28.3	148.1
17	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	117	99.0	18.0	94.1
	LIBERTY	2.34	SL	32.0 oz/a	POST B	214	99.0	26.0	135.9
	CALLISTO	4	SC	3.0 oz/a	POST B	309	99.0	37.0	193.3
	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
	Mean =						99.0	27.0	141.1
18	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE A	118	99.0	24.0	125.4
	LIBERTY	2.34	SL	32.0 oz/a	POST B	204	99.0	26.0	135.9
	LAUDIS	3.5	SC	3.0 oz/a	POST B	306	99.0	41.0	214.2
	PROWL H2O	3.8	SC	32.0 oz/a	POST B				
	INDUCE			0.25 % v/v	POST B				
	Mean =						99.0	30.3	158.5

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP									
YEAR 2									
Trial ID: CN-01-24		Study Dir.: N. SHAY/GA CORN COMMISSION							
Location: PONDER FARM		Investigator: Eric P. Prostko							
Weed Code						Agrass	-----	-----	
Crop Code						Control	ZEAMA	ZEAMA	
Rating Data Type						%	YIELD	YIELD	
Rating Unit						May-23-24	LBS/PLOT	BU/A	
Rating Date							Aug-29-24	Aug-29-24	
Trt	Treatment	Form	Form	Rate	Grow	Appl			
No.	Name	Conc	Type	Rate Unit	Stg	Code Plot	25	26	27
19	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A 119	99.0	27.0	141.1
	LIBERTY	2.34	SL	32.0 oz/a	POST	B 212	99.0	24.0	125.4
	IMPACT	2.8	SC	1.25 oz/a	POST	B 319	95.0	28.0	146.3
	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
	INDUCE			0.25 % v/v	POST	B			
						Mean =	97.7	26.3	137.6
20	DUAL II MAGNUM	7.64	EC	16.0 oz/a	PRE	A 120	99.0	27.0	141.1
	LIBERTY	2.34	SL	32.0 oz/a	POST	B 201	99.0	27.0	141.1
	SHIELDEX	3.33	SC	1.35 oz/a	POST	B 316	99.0	43.0	224.7
	PROWL H2O	3.8	SC	32.0 oz/a	POST	B			
	INDUCE			0.25 % v/v	POST	B			
						Mean =	99.0	32.3	169.0

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WEED CONTROL IN FIELD CORN WITHOUT ATRAZINE OR ROUNDUP YEAR 2	
Trial ID: CN-01-24	Study Dir.: N. SHAY/GA CORN COMMISSION
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit	
% = PERCENT	
ARM Action Codes	
TY1 = 5.2256044*[26]	