

University of Georgia

SOYBEAN RESPONSE TO HPPD HERBICIDES - 30 DAT
YEAR-2

Trial ID: SB-01-24

Study Dir.: NICK SHAY/GA SOYBEAN COMMISSION

Location: PONDER FARM

Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet

Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg	Code	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	NTC								-	101	203	305	403
2	CALLISTO	4	SC	3.0 oz/a	PRE	A		2.344 mL/mx	1497.7 mL	102	201	303	402
3	LAUDIS	3.5	SC	3.0 oz/a	PRE	A		2.344 mL/mx	1497.7 mL	103	205	301	405
4	IMPACT	2.8	SC	1.25 oz/a	PRE	A		0.9766 mL/mx	1499 mL	104	202	304	401
5	SHIELDEX	3.33	SC	1.35 oz/a	PRE	A		1.055 mL/mx	1498.9 mL	105	204	302	404

Sort Order: Treatment

Trial Comments

LAST TILLAGE: 04/08/24

PLANTING DATE: 05/09/24

MAINTAINED WEED-FREE
04/08/24: ROUNDUP POWERMAX3 @ 32 OZ/A + VALOR EZ @ 3 OZ/A + PROWL H2O @ 32 OZ/A
04/29/24: RUPM3 @ 48 OZ/A
05/04/24: RUPM3 @ 64 OZ/A + ZIDUA @ 2 OZ/A
05/23/24: RUPM3 @ 50 OZ/A + PURSUIT @ 4 OZ/A
06/25/24: RUPM3@ 32 OZ/A
06/26/24: BORON @ 32 OZ/A + DIMILIN @ 2 OZ/A + ALTO @ 5 OZ/A
07/08/24: ALTO @ 5 OZ/A
10/25/24: GRAMOXONE @ 16 OZ/A + MSO @ 1%V/V

CURRENT SOYBEAN ROTATION RESTRICTIONS:
CALLISTO = 10 MONTHS
LAUDIS = 8 MONTHS
IMPACT = 9 MONTHS
SHIELDEX = 9 MONTHS

HARVEST DATE: 11/04/24
HARVEST MOISTURE: 15%
YIELDS ADJUSTED TO 13%

SUMMARY:

1) SOYBEAN STAND WAS NOT REDUCED BY ANY HPPD HERBICIDE (P>0.59)

2) IMPACT AND SHIELDEX CAUSED SIGNIFICANT SOYBEAN INJURY (STUNTING, CHLOROSIS, NECROSIS). GENERALLY IMPACT WAS MORE INJURIOUS THAN SHIELDEX.

3) IMPACT (-38%) AND SHIELDEX (-29%) REDUCED SOYBEAN PLANT HEIGHTS.

4) ONLY IMPACT (-39%) AND SHIELDEX (-24%) CAUSED SIGNIFICANT SOYBEAN YIELD LOSSES.

GENERAL TRIAL INFORMATION

Study Director: NICK SHAY

Affiliation: _____

Postal Code: _____

Investigator: Eric P. Prostko

Affiliation: _____

Postal Code: _____

Title: _____

Title: _____

TRIAL LOCATION

City: _____

State/Prov.: _____

Postal Code: _____

Country: _____

E-Longitude of LL Corner °: _____

Altitude of LL Corner: _____ Unit: _____

Trial Status: E

Trial Reliability: _____

Initiation Date: _____

Planned Completion Date: _____

N-Latitude of LL Corner °: _____

Angle y-axis to North °: _____

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SOYBEAN RESPONSE TO HPPD HERBICIDES - 30 DAT
YEAR-2

Trial ID: SB-01-24 Study Dir.: NICK SHAY/GA SOYBEAN COMMISSION
Location: PONDER FARM Investigator: Eric P. Prostko

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.			

Crop 1: GLYMA SOYBEAN Variety: ASGROW AG66XF2
Planting Date: May-9-24 Planting Method: GP 3P605NT DRILL
Rate: 126000 S/A Depth: 1.25 IN Perennial Age: _____
Row Spacing: 15 IN Spacing Within Row: _____ Seed Bed: _____
Soil Temperature: _____ Soil Moisture: NORMAL Emergence Date: _____

SITE AND DESIGN

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

Trial Initiation Comments:

	Previous Crops	Previous Pesticides	Year
1.	FALLOW		2023

MAINTENANCE

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

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

SOIL DESCRIPTION

% Sand: 92 % OM: 0.53 Texture: SAND
% Silt: 6 pH: 7.0 Soil Name: DOTHAN
% Clay: 2 CEC: 2.6 Fert. Level: GOOD

ADDITIONAL MEASURED ELEMENTS

Element	Quantity	Unit

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MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	Apr-10-24		0.2	IN	SPRINKLER - LATERAL MOVE		
2.	Apr-10-24		2.71	IN	RAINFALL		
3.	Apr-11-24		1.78	IN	RAINFALL		
4.	Apr-21-24		1.0	IN	RAINFALL		
5.	May-4-24		0.9	IN	RAINFALL		
6.	May-9-24		0.75	IN	RAINFALL		
7.	May-10-24		0.75	IN	RAINFALL		
8.	May-13-24		1.1	IN	RAINFALL		
9.	May-17-24		0.96	IN	RAINFALL		
10.	May-18-24		1.35	IN	RAINFALL		
11.	May-19-24		0.69	IN	RAINFALL		
12.	May-23-24		0.44	IN	RAINFALL		
13.	May-27-24		0.62	IN	RAINFALL		
14.	Jun-3-24		0.5	IN	SPRINKLER - LATERAL MOVE		
15.	Jun-4-24		0.4	IN	SPRINKLER - LATERAL MOVE		
16.	Jun-7-24		0.25	IN	SPRINKLER - LATERAL MOVE		
17.	Jun-10-24		0.25	IN	SPRINKLER - LATERAL MOVE		
18.	Jun-11-24		0.45	IN	SPRINKLER - LATERAL MOVE		
19.	Jun-27-24		0.9	IN	RAINFALL		
20.	Jun-29-24		0.5	IN	RAINFALL		
21.	Jul-2-24		0.5	IN	RAINFALL		

Overall Moisture Conditions:

Closest Weather Station: _____ Distance: _____ Unit: _____

APPLICATION DESCRIPTION

	A
Application Date:	Apr-9-24
Time of Day:	7:00 AM
Application Method:	BROADCAST
Application Timing:	PRE
Applic. Placement:	SOIL
Air Temp., Unit:	60 F
% Relative Humidity:	89
Wind Velocity, Unit:	3 MPH
Dew Presence (Y/N):	N
Water Hardness:	--
Soil Temp., Unit:	60 F
Soil Moisture:	OPTIMUM
% Cloud Cover:	60

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	GLYMA,
Stage Scale:	
Height, Unit:	

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WEED STAGE AT EACH APPLICATION	
	A
Weed 1 Code, Stage:	
Stage Scale:	
Density, Unit:	

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

Trt No	Treatment Application Comment

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Trial ID: SB-01-24 Study Dir.: NICK SHAY/GA SOYBEAN COMMISSION
Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code Rating Data Type Rating Unit Rating Date							Glyma Stand #/5ft May-22-24	Glyma stunting % May-22-24	Glyma Bleaching % May-22-24	Glyma stand #/5 FT Jun-7-24	Glyma Chlorosis % Jun-7-24	Glyma Hgt1 In Jun-7-24	Glyma Hgt2 In Jun-7-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code	1	2	3	4	5	6	7
1	NTC						16.8 -	0.0 -	0.0 -	14.3 -	0.0 b	6.5 -	6.0 -
2	CALLISTO	4	SC	3.0 oz/a	PRE	A	14.0 -	0.0 -	0.0 -	15.0 -	3.8 b	6.0 -	6.8 -
3	LAUDIS	3.5	SC	3.0 oz/a	PRE	A	14.0 -	2.5 -	0.0 -	14.3 -	12.5 b	6.5 -	6.8 -
4	IMPACT	2.8	SC	1.25 oz/a	PRE	A	15.8 -	2.5 -	1.3 -	12.5 -	65.0 a	6.5 -	6.0 -
5	SHIELDDEX	3.33	SC	1.35 oz/a	PRE	A	15.3 -	3.8 -	1.3 -	14.3 -	50.0 a	6.0 -	6.5 -
LSD P=.10							3.52	3.55	1.73	3.64	15.00	1.15	1.20
Standard Deviation							2.79	2.81	1.37	2.89	11.90	0.91	0.95
CV							18.44	160.78	273.86	20.58	45.34	14.49	14.89
Grand Mean							15.15	1.75	0.50	14.05	26.25	6.30	6.40
Bartlett's X2^							3.174	4.969	1.073	1.96	8.519	0.462	1.009
P(Bartlett's X2)							0.529	0.29	0.898	0.743	0.074	0.977	0.908
Replicate F							1.560	1.000	2.667	0.676	0.456	0.400	0.587
Replicate Prob(F)							0.2501	0.4262	0.0951	0.5832	0.7180	0.7555	0.6349
Treatment F							0.714	1.421	1.000	0.410	24.353	0.360	0.633
Treatment Prob(F)							0.5982	0.2859	0.4449	0.7983	0.0001	0.8323	0.6485

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.

^Calculated from residual.

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Trial ID: SB-01-24 Study Dir.: NICK SHAY/GA SOYBEAN COMMISSION
Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code Rating Data Type Rating Unit Rating Date							Glyma Hgt3 In Jun-7-24	Glyma Hgt4 In Jun-7-24	Glyma Hgt5 In Jun-7-24	GLYMA AVG-HGT INCHES Jun-7-24	Glyma Stunt % Jun-26-24	Glyma Chlorosis % Jun-26-24	Glyma Necrosis % Jun-26-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Grow Unit	Appl Stg Code	8	9	10	11	12	13	14
1	NTC						6.5 -	6.8 -	7.0 -	6.6 -	0.0 c	0.0 c	0.0 b
2	CALLISTO	4 SC		3.0 oz/a	PRE	A	6.3 -	6.3 -	6.3 -	6.3 -	0.0 c	0.0 c	0.0 b
3	LAUDIS	3.5 SC		3.0 oz/a	PRE	A	6.8 -	6.3 -	6.5 -	6.6 -	0.0 c	0.0 c	0.0 b
4	IMPACT	2.8 SC		1.25 oz/a	PRE	A	6.3 -	6.5 -	5.8 -	6.2 -	42.5 a	67.5 a	12.5 a
5	SHIELDDEX	3.33 SC		1.35 oz/a	PRE	A	6.0 -	6.5 -	6.5 -	6.3 -	30.0 b	55.0 b	10.0 a
LSD P=.10							0.97	0.77	0.97	0.65	4.30	9.76	2.82
Standard Deviation							0.77	0.61	0.77	0.51	3.42	7.75	2.24
CV							12.11	9.49	12.02	8.04	23.56	31.62	49.69
Grand Mean							6.35	6.45	6.40	6.38	14.50	24.50	4.50
Bartlett's X2^							9.693*	3.863	8.987	2.758	2.291	5.634	7.258
P(Bartlett's X2)							0.046*	0.425	0.061	0.599	0.682	0.228	0.123
Replicate F							1.211	1.556	0.225	0.943	2.429	1.417	1.000
Replicate Prob(F)							0.3477	0.2512	0.8769	0.4504	0.1159	0.2861	0.4262
Treatment F							0.549	0.467	1.394	0.392	141.857	76.333	31.000
Treatment Prob(F)							0.7033	0.7592	0.2940	0.8107	0.0001	0.0001	0.0001

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YEAR-2

Trial ID: SB-01-24 Study Dir.: NICK SHAY/GA SOYBEAN COMMISSION

Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code Rating Data Type Rating Unit Rating Date							Glyma Hgt1 Inches Jul-1-24	Glyma Hgt2 Inches Jul-1-24	Glyma Hgt3 Inches Jul-1-24	Glyma Hgt4 Inches Jul-1-24	Glyma Hgt5 Inches Jul-1-24	GLYMA AVG-HGT INCHES Jul-1-24	GLYMA YIELD LBS/PLOT Nov-4-24	GLYMA YIELD BU/A Nov-4-24
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Grow Unit	Appl Stg Code	15	16	17	18	19	20	21	22
1	NTC						18.3 a	17.5 a	17.3 a	17.0 a	17.3 ab	17.5 ab	14.28 b	108.0 b
2	CALLISTO	4 SC		3.0 oz/a	PRE	A	16.3 a	16.8 a	17.5 a	16.5 a	16.5 b	16.7 b	15.33 a	115.9 a
3	LAUDIS	3.5 SC		3.0 oz/a	PRE	A	18.0 a	18.0 a	18.0 a	18.5 a	19.0 a	18.3 a	14.90 ab	112.7 ab
4	IMPACT	2.8 SC		1.25 oz/a	PRE	A	11.0 b	11.8 b	10.3 c	10.3 b	10.8 d	10.8 d	8.73 d	66.0 d
5	SHIELDEX	3.33 SC		1.35 oz/a	PRE	A	12.8 b	11.8 b	12.5 b	11.5 b	13.3 c	12.4 c	10.88 c	82.3 c
LSD P=.10							3.47	1.70	2.01	2.38	2.08	1.54	0.977	7.40
Standard Deviation							2.75	1.35	1.59	1.89	1.65	1.22	0.776	5.87
CV							18.05	8.92	10.56	12.8	10.75	8.07	6.05	6.05
Grand Mean							15.25	15.15	15.10	14.75	15.35	15.12	12.820	97.00
Bartlett's X2^							3.83	4.646	9.809*	1.281	9.356	2.361	2.548	2.548
P(Bartlett's X2)							0.43	0.326	0.044*	0.865	0.053	0.67	0.636	0.636
Replicate F							0.323	2.438	2.230	0.650	1.535	1.965	0.838	0.838
Replicate Prob(F)							0.8084	0.1149	0.1373	0.5982	0.2561	0.1732	0.4987	0.4987
Treatment F							5.528	21.548	19.308	14.860	16.083	29.827	55.313	55.313
Treatment Prob(F)							0.0093	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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^Calculated from residual.

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SOYBEAN RESPONSE TO HPPD HERBICIDES - 30 DAT YEAR-2	
Trial ID: SB-01-24	Study Dir.: NICK SHAY/GA SOYBEAN COMMISSION
Location: PONDER FARM	Investigator: Eric P. Prostko
Rating Unit % = PERCENT In = INCH ARM Action Codes T1 = ([6]+[7]+[8]+[9]+[10])/5 T2 = ([15]+[16]+[17]+[18]+[19])/5 TY3 = 7.56597701*[21]	

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SOYBEAN RESPONSE TO HPPD HERBICIDES - 30 DAT YEAR-2

Trial ID: SB-01-24 Study Dir.: NICK SHAY/GA SOYBEAN COMMISSION
Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code Rating Data Type Rating Unit Rating Date							Glyma Stand #/5ft May-22-24	Glyma stunting % May-22-24	Glyma Bleaching % May-22-24	Glyma stand #/5 FT Jun-7-24	Glyma Chlorosis % Jun-7-24	Glyma Hgt1 In Jun-7-24	Glyma Hgt2 In Jun-7-24		
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	1	2	3	4	5	6	7
1	NTC							101	14.0	0.0	0.0	11.0	0.0	7.0	6.0
								203	19.0	0.0	0.0	13.0	0.0	6.0	6.0
								305	18.0	0.0	0.0	17.0	0.0	6.0	5.0
								403	16.0	0.0	0.0	16.0	0.0	7.0	7.0
								Mean =	16.8	0.0	0.0	14.3	0.0	6.5	6.0
2	CALLISTO	4	SC	3.0 oz/a	PRE	A		102	13.0	0.0	0.0	13.0	0.0	7.0	6.0
								201	18.0	0.0	0.0	19.0	10.0	6.0	8.0
								303	11.0	0.0	0.0	13.0	5.0	6.0	7.0
								402	14.0	0.0	0.0	15.0	0.0	5.0	6.0
								Mean =	14.0	0.0	0.0	15.0	3.8	6.0	6.8
3	LAUDIS	3.5	SC	3.0 oz/a	PRE	A		103	14.0	0.0	0.0	13.0	0.0	7.0	7.0
								205	13.0	0.0	0.0	18.0	10.0	7.0	7.0
								301	11.0	5.0	0.0	10.0	10.0	7.0	7.0
								405	18.0	5.0	0.0	16.0	30.0	5.0	6.0
								Mean =	14.0	2.5	0.0	14.3	12.5	6.5	6.8
4	IMPACT	2.8	SC	1.25 oz/a	PRE	A		104	18.0	5.0	0.0	13.0	50.0	6.0	6.0
								202	20.0	0.0	0.0	12.0	75.0	6.0	5.0
								304	14.0	5.0	0.0	12.0	70.0	8.0	7.0
								401	11.0	0.0	5.0	13.0	65.0	6.0	6.0
								Mean =	15.8	2.5	1.3	12.5	65.0	6.5	6.0
5	SHIELDEX	3.33	SC	1.35 oz/a	PRE	A		105	12.0	10.0	0.0	14.0	70.0	5.0	5.0
								204	17.0	0.0	0.0	15.0	60.0	6.0	6.0
								302	16.0	0.0	0.0	18.0	30.0	6.0	8.0
								404	16.0	5.0	5.0	10.0	40.0	7.0	7.0
								Mean =	15.3	3.8	1.3	14.3	50.0	6.0	6.5

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Location: PONDER FARM					Investigator: Eric P. Prostko										
Crop Code Rating Data Type Rating Unit Rating Date								Glyma Hgt3 In Jun-7-24	Glyma Hgt4 In Jun-7-24	Glyma Hgt5 In Jun-7-24	GLYMA AVG-HGT INCHES Jun-7-24	Glyma Stunt % Jun-26-24	Glyma Chlorosis % Jun-26-24	Glyma Necrosis % Jun-26-24	
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	8	9	10	11	12	13	14
1	NTC							101	6.0	7.0	7.0	6.6	0.0	0.0	0.0
								203	7.0	6.0	7.0	6.4	0.0	0.0	0.0
								305	6.0	7.0	7.0	6.2	0.0	0.0	0.0
								403	7.0	7.0	7.0	7.0	0.0	0.0	0.0
								Mean =	6.5	6.8	7.0	6.6	0.0	0.0	0.0
2	CALLISTO	4 SC	3.0 oz/a	PRE	A			102	6.0	7.0	7.0	6.6	0.0	0.0	0.0
								201	6.0	7.0	6.0	6.6	0.0	0.0	0.0
								303	6.0	6.0	5.0	6.0	0.0	0.0	0.0
								402	7.0	5.0	7.0	6.0	0.0	0.0	0.0
								Mean =	6.3	6.3	6.3	6.3	0.0	0.0	0.0
3	LAUDIS	3.5 SC	3.0 oz/a	PRE	A			103	6.0	6.0	6.0	6.4	0.0	0.0	0.0
								205	7.0	6.0	7.0	6.8	0.0	0.0	0.0
								301	7.0	7.0	7.0	7.0	0.0	0.0	0.0
								405	7.0	6.0	6.0	6.0	0.0	0.0	0.0
								Mean =	6.8	6.3	6.5	6.6	0.0	0.0	0.0
4	IMPACT	2.8 SC	1.25 oz/a	PRE	A			104	6.0	6.0	5.0	5.8	45.0	80.0	15.0
								202	6.0	7.0	6.0	6.0	45.0	65.0	15.0
								304	6.0	7.0	6.0	6.8	45.0	65.0	10.0
								401	7.0	6.0	6.0	6.2	35.0	60.0	10.0
								Mean =	6.3	6.5	5.8	6.2	42.5	67.5	12.5
5	SHIELDEX	3.33 SC	1.35 oz/a	PRE	A			105	5.0	6.0	6.0	5.4	35.0	60.0	10.0
								204	6.0	7.0	6.0	6.2	30.0	45.0	10.0
								302	8.0	7.0	8.0	7.4	35.0	75.0	15.0
								404	5.0	6.0	6.0	6.2	20.0	40.0	5.0
								Mean =	6.0	6.5	6.5	6.3	30.0	55.0	10.0

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YEAR-2

Trial ID: SB-01-24 Study Dir.: NICK SHAY/GA SOYBEAN COMMISSION

Location: PONDER FARM Investigator: Eric P. Prostko

Crop Code Rating Data Type Rating Unit Rating Date							Glyma Hgt1 Inches Jul-1-24	Glyma Hgt2 Inches Jul-1-24	Glyma Hgt3 Inches Jul-1-24	Glyma Hgt4 Inches Jul-1-24	Glyma Hgt5 Inches Jul-1-24	GLYMA AVG-HGT INCHES Jul-1-24	GLYMA YIELD LBS/PLOT Nov-4-24		
Trt	Treatment	Form	Form	Rate	Grow	Appl									
No.	Name	Conc	Type	Rate	Unit	Stg	Code	Plot	15	16	17	18	19	20	21
1	NTC						101		19.0	17.0	16.0	15.0	17.0	16.8	14.20
							203	16.0	17.0	18.0	16.0	17.0	16.8	14.60	
							305	20.0	18.0	17.0	19.0	18.0	18.4	15.00	
							403	18.0	18.0	18.0	18.0	17.0	17.8	13.30	
							Mean =	18.3	17.5	17.3	17.0	17.3	17.5	14.28	
2	CALLISTO	4	SC	3.0	oz/a	PRE	A	102	16.0	16.0	16.0	17.0	15.0	16.0	15.10
								201	18.0	17.0	17.0	16.0	16.0	16.8	15.20
								303	12.0	17.0	18.0	17.0	17.0	16.2	16.00
								402	19.0	17.0	19.0	16.0	18.0	17.8	15.00
								Mean =	16.3	16.8	17.5	16.5	16.5	16.7	15.33
3	LAUDIS	3.5	SC	3.0	oz/a	PRE	A	103	15.0	17.0	18.0	16.0	15.0	16.2	15.20
								205	19.0	20.0	18.0	22.0	23.0	20.4	14.90
								301	19.0	17.0	17.0	17.0	18.0	17.6	15.80
								405	19.0	18.0	19.0	19.0	20.0	19.0	13.70
								Mean =	18.0	18.0	18.0	18.5	19.0	18.3	14.90
4	IMPACT	2.8	SC	1.25	oz/a	PRE	A	104	12.0	11.0	10.0	12.0	11.0	11.2	7.70
								202	9.0	10.0	9.0	9.0	10.0	9.4	9.20
								304	11.0	13.0	10.0	10.0	12.0	11.2	8.40
								401	12.0	13.0	12.0	10.0	10.0	11.4	9.60
								Mean =	11.0	11.8	10.3	10.3	10.8	10.8	8.73
5	SHIELDEX	3.33	SC	1.35	oz/a	PRE	A	105	10.0	8.0	10.0	9.0	12.0	9.8	10.00
								204	13.0	13.0	17.0	14.0	14.0	14.2	11.30
								302	18.0	12.0	10.0	12.0	13.0	13.0	10.40
								404	10.0	14.0	13.0	11.0	14.0	12.4	11.80
								Mean =	12.8	11.8	12.5	11.5	13.3	12.4	10.88

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[illegible]

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SOYBEAN RESPONSE TO HPPD HERBICIDES - 30 DAT YEAR-2	
Trial ID: SB-01-24	Study Dir.: NICK SHAY/GA SOYBEAN COMMISSION
Location: PONDER FARM Investigator: Eric P. Prostko	
Rating Unit	
% = PERCENT	
In = INCH	
ARM Action Codes	
T1 = ([6]+[7]+[8]+[9]+[10])/5	
T2 = ([15]+[16]+[17]+[18]+[19])/5	
TY3 = 7.56597701*[21]	