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Country: UNITED STATES OF AMERICA Region: Trial Use: Normal
Discipline: HERBICIDE Sequence: Year: 2009
Trial Id.: US__0H___2009 Protocol Id.: HAJM04A4-2009US Revision Date: Feb28
Master Protocol Id.:

Trial Origin: COOPERATOR TRIAL Licensee: Dr. Bill Johnson GEP: N

Title: Glyphosate conservation- soybean- early pre-plant burndown systems with Prefix.14-21 days EPP

SITE AND DESIGN

Plot Width: 10 **Unit:** FT **Plot Length:** 30 **Unit:** FT **Plot Area:** 300.0 **Unit:** FT2 **No Reps:** 4 **No Treats:** 10

Site Description Event Date: 6-15-2009 **Study Design:** RACOBL
Trial Location: Throckmorton Purdue Agriculture Center
County: Tippecanoe
State/Province: IN
Postal Code: 47909

Farm Manager: Jay Young
Street: 8343 US 231
City+State/Prov: Lafayette, IN
Postal Code: 47909
Country: UNITED STATES OF AMERICA

GENERAL TRIAL INFORMATION

Initiation Date: 4-10-2009 **Protocol Id. :** HAJM04A4-2009US
Title: Glyphosate conservation- soybean- early pre-plant burndown systems with Prefix.14-21 days EPP
Intl./Overall Protocol Owner : Gordon Vail **Investigator:** Dr. Bill Johnson
Local Protocol Responsibility: Adrian Moses

SYPOS Task
T007003-06

TRIAL STATUS

Date: 4-10-2009 **TRIAL STATUS:** ESTABLISHED
Comment: Generated by ARM

SEED DESCRIPTION

1. **Date:** 6-15-2009 **Area:** Trial **Crop:** GLYCINE MAX **Var:** AG3402

CROP OCCURRENCE

	1.
Date:	6-15-2009
Area:	Trial
Crop:	SOYBEANS
Crop Code:	GLXMA
BBCH Scale:	BSOY
Variety:	AG3402
Planting Date:	6-15-2009
Emergence Date:	6-22-2009
PL. TYPE:	PLANTING OF SEEDS
Planting/Pruning System:	ROW DRILLING/PLANTING
Planting Depth Min, Max, Unit:	1.0 1.0 IN
Row Spacing, Unit:	15.0 IN
Spacing Within Row, Unit:	2.0 IN
Planting Rate, Unit:	160000.0 S/A
Method:	DIRECT DRILLED

PEST OCCURRENCE

	1.	2.	3.	4.	5.
Date:	6-9-2009	6-9-2009	6-9-2009	6-9-2009	6-23-2009
Area:	Trial	Trial	Trial	Trial	Trial
Pest:	SETARIA FABERI	AMBROSIA TRIFIDA	CYPERUS ESCULENTUS	CHENOPODIUM ALBUM	SETARIA FABERI
Pest Code:	SETFA	AMBTR	CYPES	CHEAL	SETFA
Stage Scale:	BGRM	BBCH	BBCH	BBCH	BGRM
OCCURRENCE TYPE:	OCCURRED	OCCURRED	OCCURRED	OCCURRED	OCCURRED

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	6.	7.	8.	9.	10.
Date:	6-23-2009	6-23-2009	7-9-2009	7-9-2009	7-9-2009
Area:	Trial	Trial	Trial	Trial	Trial
Pest:	AMBROSIA TRIFIDA	CHENOPODIUM ALBUM	AMBROSIA TRIFIDA	CHENOPODIUM ALBUM	SETARIA FABERI
Pest Code:	AMBTR	CHEAL	AMBTR	CHEAL	SETFA
Stage Scale:	BBCH	BBCH	BBCH	BBCH	BGRM
OCCURRENCE TYPE:	OCCURRED	OCCURRED	OCCURRED	OCCURRED	OCCURRED

CROP DEVELOPMENT

	1.	2.	3.	4.
Date:	6-15-2009	6-23-2009	7-9-2009	11-6-2009
Crop:	1 SOYBEANS	1 SOYBEANS	1 SOYBEANS	1 SOYBEANS
Crop Code:	GLXMA	GLXMA	GLXMA	GLXMA
BBCH Scale:	BSOY	BSOY	BSOY	BSOY
Variety:	AG3402	AG3402	AG3402	AG3402
Dev. Stage Min, Max:		09 10	61 65	89 89
Dev. Stage Majority:		10	65	89

PEST DEVELOPMENT

	1.	2.	3.	4.
Date:	6-9-2009	6-9-2009	6-9-2009	6-9-2009
Pest:	1 SETARIA FABERI	2 AMBROSIA TRIFIDA	3 CYPERUS ESCULENTUS	4 CHENOPODIUM ALBUM
Pest Code:	SETFA	AMBTR	CYPES	CHEAL
Stage Scale:	BGRM	BBCH	BBCH	BBCH
Dev. Stage Min, Max:	12 13	41 45	12 13	41 43
Dev. Stage Majority:	13	43	13	42
Density Min, Max, Majority:	5.0 15.0 10.0	5.0 10.0 7.5	1.0 5.0 2.5	5.0 15.0 10.0
Unit:	PER SQUARE YARD	PER SQUARE YARD	PER SQUARE YARD	PER SQUARE YARD
Height Min, Max, Unit:	1.0 3.0 IN	1.0 3.0 IN	1.0 5.0 IN	1.0 3.0 IN
Natural Incidence:	Y	Y	Y	Y

	5.	6.	7.	8.
Date:	6-23-2009	6-23-2009	6-23-2009	7-9-2009
Pest:	5 SETARIA FABERI	6 AMBROSIA TRIFIDA	7 CHENOPODIUM ALBUM	8 AMBROSIA TRIFIDA
Pest Code:	SETFA	AMBTR	CHEAL	AMBTR
Stage Scale:	BGRM	BBCH	BBCH	BBCH
Dev. Stage Min, Max:	13 15	41 43	41 41	
Dev. Stage Majority:	14	41	41	
Density Min, Max, Majority:	50.0 100.0 75.0	10.0 50.0 30.0	2.0 50.0 26.0	1.0 10.0 5.0
Unit:	PER SQUARE YARD	PER SQUARE YARD	PER SQUARE YARD	PER SQUARE YARD
Height Min, Max, Unit:	2.0 8.0 IN	2.0 6.0 IN	1.0 3.0 IN	6.0 24.0 IN
Natural Incidence:	Y	Y	Y	Y

	9.	10.
Date:	7-9-2009	7-9-2009
Pest:	9 CHENOPODIUM ALBUM	10 SETARIA FABERI
Pest Code:	CHEAL	SETFA
Stage Scale:	BBCH	BGRM
Dev. Stage Min, Max:		
Dev. Stage Majority:		
Density Min, Max, Majority:	0.0 5.0 2.5	10.0 50.0 30.0
Unit:	PER SQUARE YARD	PER SQUARE YARD
Height Min, Max, Unit:	4.0 24.0 IN	12.0 18.0 IN
Natural Incidence:	Y	Y

WEATHER DESCRIPTION

1. Date: 6-9-2009 **Air Temp. Min:** 83.0 **Max:** 83.0 **Unit:** F **% Rel. Humidity Min:** 40.0 **Max:** 40.0
Wind Velocity Min: 2.7 **Max:** 2.7 **Unit:** MPH **Wind Direction:** W

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Sky Condition: 50% cloud cover

2. Date: 7-10-2009 **Air Temp. Min:** 69.0 **Max:** 69.0 **Unit:** F **% Rel. Humidity Min:** 86.0 **Max:** 86.0
Wind Velocity Min: 3.0 **Max:** 3.0 **Unit:** MPH **Wind Direction:** SE
Sky Condition: 85% cloud cover

No.	Date	Soil Temp.	Unit	Soil Moisture Condition
1.	6-9-2009	69.0	F	moist
2.	7-10-2009	70.0	F	moist

APPLICATION

		B
Application Date/Time:	6-9-2009 3:00 PM	7-10-2009 7:00 AM
Applied By:	PM	PM
Target (Crop):		3 GLXMA
Variety (Crop):		AG3402
Development (Crop):		61 65
Weather:	1	2
Soil:	1	
Equipment Name:	BACKPACK CO2	BACKPACK CO2
Application Equipment:	BOOSPH	BOOSPH
Pressure, Unit:	28 PSI	28 PSI
Nozzle Type:	FLAFAN	FLAFAN
Nozzle Description:	XR11002	XR11002
Nozzle Spacing, Unit:	15 IN	15 IN
Nozzles/Row:	8	8
Boom Length, Unit:	10 FT	10 FT
Boom Height, Unit:	18 M	18 M
Ground Speed, Unit:	3 MPH	3 MPH
Spray Quality:	GOOD	GOOD
Propellent:	COMCO2	
Dew Presence (Y/N):	N	
Wet Leaves (Y/N):	N	
Application Timing:	EARPRE	
Applic. Placement:	FOLIAR	

No.	Date	Area	Laboratory Name	pH/KCL	pH/H20	CEC	Soil Texture
1.	6-9-2009	Trial	Field 4A (Toronto-Millbrook soil)		6.0	11.1	SILT LOAM

Comment: A&L Great Lakes Laboratories, Inc. Report#: F04048-0006
Soil Component: **% Organic Matter:** 3.1
Soil Element: **P:** 53.0 PPM **K:** 208.0 PPM **Ca:** 1100.0 PPM **Mg:** 325.0 PPM

INOCULATION/INFESTATION
1.

No. Date General Comments
6-9-2009 Due to wet weather conditions conventional tillage was abandoned in our soybean block in 2009. A 1X rate of glyphosate was applied to the entire block 2 weeks before planting it as a no-till block.

Code Comment
1.

Area Name Treatment Numbers in Area
1.

INSTRUCTIONS
Crops: GT Soybean
Targets: Weeds

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Objective Notes:
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Evaluate Prefix Plus Tankmix partners for EPP burndown programs
for weed control efficacy and residual in Soybeans
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Critical Protocol Tasks:
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Target small weeds- less than 2 inch grasses. Yields are critical in
these trials. Overspray entire trial with Touchdown+AMS
in crop on 6 inch weeds. Use 24D LVE at 0.5 lbae/A

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Trial Design Notes:

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RCBD with 3-4 replicates

Please target 10 to 15 GPA application volume
Report the actual GPA used by each researcher

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Treatment Notes:

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A = Target applications 14-21 days Early Preplant burndown to small
BLW and < two inch grasses.

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Assessment Notes:

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Evaluate weed control:1) at planting and 2) prior to in crop application
of Touchdown.
Optional: Report yield at harvest adjusted to 13% moisture

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Reporting Notes:
Date Data Required By: National Results Meeting

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Assessment Tasks

No.	Timing ID	SE Name	SE Description	Part Assess	Assess Data Type	Assess Unit	Samples per 1 Collect. basis	Sample Unit	Coll. Basis	Basis Unit	Reporting Basis	Reporting Basis Unit	Asmt Type	Asmt Sub Type	Calc Type	Scale Type	Trans. Code
1.	1	W003	% weed control	PLANT	CONTRO	%	1.0	PLOT	1.0	PLOT	1.0	PLOT	NOR	RAW	NC	S	0
2.	2	X001	% General phyto on p	PLANT	PHYGEN	%	1.0	PLOT	1.0	PLOT	1.0	PLOT	NOR	RAW	NC	S	0
3.	3	Y086	% moisture content o	GRAIN	CONMOI	%	1.0	PLOT	1.0	PLOT	1.0	PLOT	YLM	MOI	NC	O	0
				GRAIN	YIELD	BU	1.0	PLOT	1.0	PLOT	1.0	ACRE	YLD	RAW	NC	O	

No.	Timing ID
1.	1
2.	2
3.	3

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Trial Origin: COOPERATOR TRIAL Licensee: Dr. Bill Johnson GEP: N

Title: Glyphosate conservation- soybean- early pre-plant burndown systems with Prefix.14-21 days EPP

Trt	Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Applic. Code	1	2	3
	Assessment Date				6-23-2009 12:00 AM	6-23-2009 12:00 AM	6-23-2009 12:00 AM
	Assessed By				GK	GK	GK
	Crop Code				2 GLXMA	2 GLXMA	2 GLXMA
	Crop Variety				AG3402	AG3402	AG3402
	Crop Development				09 10	09 10	09 10
	Pest Code				5 SETFA	6 AMBTR	7 CHEAL
	Pest Development				13 15	41 43	41 41
	SE Group No.				1	1	1
	Assessment Data Type				CONTRO	CONTRO	CONTRO
	Assessment Unit				%	%	%
	Assessment Type, Sub-Type				NOR RAW	NOR RAW	NOR RAW
	Number of Subsamples				1	1	1
	ARM Action Codes						
	Days After Planting				8DAP-1	8DAP-1	8DAP-1
	Days After Last Application				14	14	14
	No. Decimals Reported						
1	UNTREATED				0.0 b	0.0 b	0.0 b
2	N-PAK AMS LIQUID	2.5	%v/v	A	99.3 a	95.0 a	100.0 a
	PREFIX	1480.0	gai/ha	A			
	TOUCHDOWN TOTAL 4.17 SL	880.0	gae/ha	A			
3	EXPRESS 50 SG	5.25	gai/ha	A	90.0 a	95.5 a	100.0 a
	PREFIX	1480.0	gai/ha	A			
	2.4D LVE	567.0	gae/ha	A			
	COC	1.0	%v/v	A			
4	CLASSIC (CANOPY EX)	17.5	gai/ha	A	86.3 a	95.5 a	100.0 a
	EXPRESS (CANOPY EX)	5.25	gai/ha	A			
	PREFIX	1480.0	gai/ha	A			
	2.4D LVE	567.0	gae/ha	A			
	COC	1.0	%v/v	A			
5	CANOPY 75 WG	118.0	gai/ha	A	90.0 a	97.5 a	100.0 a
	PREFIX	1480.0	gai/ha	A			
	2.4D LVE	567.0	gae/ha	A			
	COC	1.0	%v/v	A			
6	SENCOR 75 DF	158.0	gai/ha	A	90.8 a	97.5 a	100.0 a
	PREFIX	1480.0	gai/ha	A			
	2.4D LVE	567.0	gae/ha	A			
	COC	1.0	%v/v	A			
7	PREFIX	1480.0	gai/ha	A	87.5 a	95.8 a	100.0 a
	2.4D LVE	567.0	gae/ha	A			
	COC	1.0	%v/v	A			
8	CLASSIC (ENVIVE)	19.0	gai/ha	A	88.8 a	98.3 a	100.0 a
	HARMONY (ENVIVE)	6.0	gai/ha	A			
	VALOR (ENVIVE)	60.0	gai/ha	A			
	2.4D LVE	567.0	gae/ha	A			
	COC	1.0	%v/v	A			
9	CLASSIC (ENLITE)	5.6	gai/ha	A	92.0 a	97.0 a	100.0 a
	HARMONY (ENLITE)	17.5	gai/ha	A			
	VALOR (ENLITE)	71.5	gai/ha	A			
	2.4D LVE	567.0	gae/ha	A			
	COC	1.0	%v/v	A			

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Assessment Date				6-23-2009 12:00 AM	6-23-2009 12:00 AM	6-23-2009 12:00 AM
Assessed By				GK	GK	GK
Crop Code				2 GLXMA	2 GLXMA	2 GLXMA
Crop Variety				AG3402	AG3402	AG3402
Crop Development				09 10	09 10	09 10
Pest Code				5 SETFA	6 AMBTR	7 CHEAL
Pest Development				13 15	41 43	41 41
SE Group No.				1	1	1
Assessment Data Type				CONTRO	CONTRO	CONTRO
Assessment Unit				%	%	%
Assessment Type, Sub-Type				NOR RAW	NOR RAW	NOR RAW
Number of Subsamples				1	1	1
ARM Action Codes						
Days After Planting				8DAP-1	8DAP-1	8DAP-1
Days After Last Application				14	14	14
No. Decimals Reported						
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Applic. Code	1	2	3
10 SENCOR 75 DF	105.0	gai/ha	A	99.0 a	92.0 a	100.0 a
PREFIX	1480.0	gai/ha	A			
GRAMOXONE INTEON 2 SL	560.0	gai/ha	A			
COC	1.0	%v/v	A			
LSD (P=.05)				9.40	5.49	0.00
Standard Deviation				6.48	3.79	0.00
CV				7.87	4.38	0.0
Bartlett's X2				24.55	6.082	0.0
P(Bartlett's X2)				0.002*	0.638	.
Replicate F				0.925	2.526	0.000
Replicate Prob(F)				0.4421	0.0786	1.0000
Treatment F				81.600	258.130	0.000
Treatment Prob(F)				0.0001	0.0001	1.0000

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Assessment Date				7-9-2009 12:00 AM	7-9-2009 12:00 AM	7-9-2009 12:00 AM
Assessed By				RH/JD	RH/JD	RH/JD
Crop Code				3 GLXMA	3 GLXMA	3 GLXMA
Crop Variety				AG3402	AG3402	AG3402
Crop Development				61 65	61 65	61 65
Pest Code				8 AMBTR	9 CHEAL	10 SETFA
Pest Development						
SE Group No.				2	3	4
Assessment Data Type				CONTRO	CONTRO	CONTRO
Assessment Unit				%	%	%
Assessment Type, Sub-Type				NOR RAW	NOR RAW	NOR RAW
Number of Subsamples				1	1	1
ARM Action Codes						
Days After Planting				24DAP-1	24DAP-1	24DAP-1
Days After Last Application				30	30	30
No. Decimals Reported						
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Applic. Code	4	5	6
1 UNTREATED				0.0 b	0.0 b	0.0 b
2 N-PAK AMS LIQUID	2.5	%v/v	A	93.0 a	99.8 a	97.3 a
PREFIX	1480.0	gai/ha	A			
TOUCHDOWN TOTAL 4.17 SL	880.0	gae/ha	A			
3 EXPRESS 50 SG	5.25	gai/ha	A	94.3 a	100.0 a	93.5 a
PREFIX	1480.0	gai/ha	A			
2.4D LVE	567.0	gae/ha	A			
COC	1.0	%v/v	A			
4 CLASSIC (CANOPY EX)	17.5	gai/ha	A	84.3 a	100.0 a	88.5 a
EXPRESS (CANOPY EX)	5.25	gai/ha	A			
PREFIX	1480.0	gai/ha	A			
2.4D LVE	567.0	gae/ha	A			
COC	1.0	%v/v	A			
5 CANOPY 75 WG	118.0	gai/ha	A	95.0 a	100.0 a	90.5 a
PREFIX	1480.0	gai/ha	A			
2.4D LVE	567.0	gae/ha	A			
COC	1.0	%v/v	A			
6 SENCOR 75 DF	158.0	gai/ha	A	93.8 a	100.0 a	89.0 a
PREFIX	1480.0	gai/ha	A			
2.4D LVE	567.0	gae/ha	A			
COC	1.0	%v/v	A			
7 PREFIX	1480.0	gai/ha	A	93.0 a	100.0 a	89.3 a
2.4D LVE	567.0	gae/ha	A			
COC	1.0	%v/v	A			
8 CLASSIC (ENVIVE)	19.0	gai/ha	A	91.0 a	100.0 a	87.0 a
HARMONY (ENVIVE)	6.0	gai/ha	A			
VALOR (ENVIVE)	60.0	gai/ha	A			
2.4D LVE	567.0	gae/ha	A			
COC	1.0	%v/v	A			
9 CLASSIC (ENLITE)	5.6	gai/ha	A	89.3 a	100.0 a	92.3 a
HARMONY (ENLITE)	17.5	gai/ha	A			
VALOR (ENLITE)	71.5	gai/ha	A			
2.4D LVE	567.0	gae/ha	A			
COC	1.0	%v/v	A			

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Assessment Date				7-9-2009 12:00 AM	7-9-2009 12:00 AM	7-9-2009 12:00 AM
Assessed By				RH/JD	RH/JD	RH/JD
Crop Code				3 GLXMA	3 GLXMA	3 GLXMA
Crop Variety				AG3402	AG3402	AG3402
Crop Development				61 65	61 65	61 65
Pest Code				8 AMBTR	9 CHEAL	10 SETFA
Pest Development						
SE Group No.				2	3	4
Assessment Data Type				CONTRO	CONTRO	CONTRO
Assessment Unit				%	%	%
Assessment Type, Sub-Type				NOR RAW	NOR RAW	NOR RAW
Number of Subsamples				1	1	1
ARM Action Codes						
Days After Planting				24DAP-1	24DAP-1	24DAP-1
Days After Last Application				30	30	30
No. Decimals Reported						
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Applic. Code	4	5	6
10 SENCOR 75 DF	105.0	gai/ha	A	80.5 a	100.0 a	95.3 a
PREFIX	1480.0	gai/ha	A			
GRAMOXONE INTEON 2 SL	560.0	gai/ha	A			
COC	1.0	%v/v	A			
LSD (P=.05)				10.37	0.23	10.76
Standard Deviation				7.15	0.16	7.42
CV				8.78	0.18	9.02
Bartlett's X2				7.039	0.0	26.308
P(Bartlett's X2)				0.532	.	0.001*
Replicate F				2.384	1.000	1.463
Replicate Prob(F)				0.0914	0.4079	0.2468
Treatment F				65.724	159912.125	61.506
Treatment Prob(F)				0.0001	0.0001	0.0001

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Assessment Date				11-6-2009 12:00 AM	11-6-2009 12:00 AM
Assessed By				PM	PM
Crop Code				4 GLXMA	4 GLXMA
Crop Variety				AG3402	AG3402
Crop Development				89 89	89 89
Pest Code					
Pest Development					
SE Group No.				5	6
Assessment Data Type				YIELD	YIELD
Assessment Unit				LB	BU
Assessment Type, Sub-Type				NOR RAW	YLD YLR
Number of Subsamples				1	1
ARM Action Codes					TY1
Days After Planting				144DAP-1	144DAP-1
Days After Last Application				119	119
No. Decimals Reported					1
Trt	Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Applic. Code	7	8
1	UNTREATED				12.30 a	35.7 a
2	N-PAK AMS LIQUID	2.5	%v/v	A	14.33 a	41.6 a
	PREFIX	1480.0	gai/ha	A		
	TOUCHDOWN TOTAL 4.17 SL	880.0	gae/ha	A		
3	EXPRESS 50 SG	5.25	gai/ha	A	13.15 a	38.2 a
	PREFIX	1480.0	gai/ha	A		
	2.4D LVE	567.0	gae/ha	A		
	COC	1.0	%v/v	A		
4	CLASSIC (CANOPY EX)	17.5	gai/ha	A	12.68 a	36.8 a
	EXPRESS (CANOPY EX)	5.25	gai/ha	A		
	PREFIX	1480.0	gai/ha	A		
	2.4D LVE	567.0	gae/ha	A		
	COC	1.0	%v/v	A		
5	CANOPY 75 WG	118.0	gai/ha	A	13.85 a	40.2 a
	PREFIX	1480.0	gai/ha	A		
	2.4D LVE	567.0	gae/ha	A		
	COC	1.0	%v/v	A		
6	SENCOR 75 DF	158.0	gai/ha	A	14.23 a	41.3 a
	PREFIX	1480.0	gai/ha	A		
	2.4D LVE	567.0	gae/ha	A		
	COC	1.0	%v/v	A		
7	PREFIX	1480.0	gai/ha	A	13.90 a	40.4 a
	2.4D LVE	567.0	gae/ha	A		
	COC	1.0	%v/v	A		
8	CLASSIC (ENVIVE)	19.0	gai/ha	A	14.20 a	41.2 a
	HARMONY (ENVIVE)	6.0	gai/ha	A		
	VALOR (ENVIVE)	60.0	gai/ha	A		
	2.4D LVE	567.0	gae/ha	A		
	COC	1.0	%v/v	A		
9	CLASSIC (ENLITE)	5.6	gai/ha	A	13.75 a	39.9 a
	HARMONY (ENLITE)	17.5	gai/ha	A		
	VALOR (ENLITE)	71.5	gai/ha	A		
	2.4D LVE	567.0	gae/ha	A		
	COC	1.0	%v/v	A		

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Assessment Date				11-6-2009 12:00 AM	11-6-2009 12:00 AM
Assessed By				PM	PM
Crop Code				4 GLXMA	4 GLXMA
Crop Variety				AG3402	AG3402
Crop Development				89 89	89 89
Pest Code					
Pest Development					
SE Group No.				5	6
Assessment Data Type				YIELD	YIELD
Assessment Unit				LB	BU
Assessment Type, Sub-Type				NOR RAW	YLD YLR
Number of Subsamples				1	1
ARM Action Codes					TY1
Days After Planting				144DAP-1	144DAP-1
Days After Last Application				119	119
No. Decimals Reported					1
Trt Treatment/Product Name	Product/AI Rate	Product/AI Rate Unit	Applic. Code	7	8
10 SENCOR 75 DF	105.0	gai/ha	A	15.20 a	44.1 a
PREFIX	1480.0	gai/ha	A		
GRAMOXONE INTEON 2 SL	560.0	gai/ha	A		
COC	1.0	%v/v	A		
LSD (P=.05)				3.214	9.33
Standard Deviation				2.215	6.43
CV				16.1	16.1
Bartlett's X2				4.506	4.506
P(Bartlett's X2)				0.875	0.875
Replicate F				7.260	7.260
Replicate Prob(F)				0.0010	0.0010
Treatment F				0.590	0.590
Treatment Prob(F)				0.7940	0.7940

Purdue University

Country: UNITED STATES OF AMERICA Region: Trial Use: Normal
Discipline: HERBICIDE Sequence: Year: 2009
Trial Id.: US__0H___2009 Protocol Id.: HAJM04A4-2009US Revision Date: Feb28
Master Protocol Id.:

Trial Origin: COOPERATOR TRIAL Licensee: Dr. Bill Johnson GEP: N

Title: Glyphosate conservation- soybean- early pre-plant burndown systems with Prefix.14-21 days EPP

T53, T29, 2, GLXMA, AG3402, 09, 10 = 1
T54, T29, 3, GLXMA, AG3402, 61, 65 = 1
T71, T29, 4, GLXMA, AG3402, 89, 89 = 1

T63, T41, 5, SETFA, , 13, 15 = 5
T64, T43, 6, AMBTR, , 41, 43 = 6
T65, T45, 7, CHEAL, , 41, 41 = 7
T66, T47, 8, AMBTR, , , = 8
T67, T49, 9, CHEAL, , , = 9
T68, T51, 10, SETFA, , , = 10

5260, CONTRO = CONTROL
5353, YIELD = YIELD

1221, % = PERCENT
1230, LB = POUND

Assessment Type, Sub-Type
NOR = NORMAL
YLD = YIELD CALCULATED
RAW = RAW DATA
YLR = YIELD CALCULATION

ARM Action Codes
TY1 = 2.904*7

Days After Planting
8DAP-1 = 1 6-15-2009
24DAP-1 = 1 6-15-2009
144DAP-1 = 1 6-15-2009