



**Field Prep./Maintenance:**

Overlay of RUP to clean up trial so it can be harvested.

**Soil Description**

**Description Name:** G-7 East  
**% OM:** 2.5      **Texture:** SICL silty clay loam  
**pH:** 6      **Soil Name:** Crosby  
**CEC:** 17.4      **Fert. Level:** G good  
**Soil Drainage:** F fair

**Application Description**

	<b>A</b>	<b>B</b>
<b>Application Date:</b>	4-14-2015	5-22-2015
<b>Appl. Start Time:</b>	4:00 PM	9:00
<b>Appl. Stop Time:</b>	4:30 PM	9:30 AM
<b>Application Method:</b>	SPRAY	SPRAY
<b>Application Timing:</b>	14 EPP	EPO 2-3" wds
<b>Application Placement:</b>	BROSOI	BROFOL
<b>Applied By:</b>	Tony/Bruce	Thomas
<b>Air Temperature, Unit:</b>	59 F	55 f
<b>% Relative Humidity:</b>	45	69
<b>Wind Velocity, Unit:</b>	8 MPH	7 MPH
<b>Wind Direction:</b>	NE	WSW
<b>Dew Presence (Y/N):</b>	N no	N no
<b>Soil Temperature, Unit:</b>	52 F	52 F
<b>Soil Moisture:</b>	SLIWET	DRY
<b>% Cloud Cover:</b>	100	0
<b>Next Moisture Occurred On:</b>	4-19-2015	5-26-2015
<b>Time to Next Moisture, Unit:</b>	5 DAY	4 DAY

**Crop Stage At Each Application**

	<b>A</b>	<b>B</b>
<b>Crop 1 Code, BBCH Scale:</b>	GLXMA BSOY	GLXMA BSOY
<b>Stage Scale Used:</b>		BBCH
<b>Stage Majority, Percent:</b>		11
<b>Height, Unit:</b>		3 IN

**Pest Stage At Each Application**

	<b>A</b>	<b>B</b>
<b>Pest 1 Code, Type, Scale:</b>	LAMPU W	LAMPU W
<b>Stage Majority, Percent:</b>	65	100
<b>Height, Unit:</b>	2	IN
<b>Height Minimum, Maximum:</b>	1	3
<b>Density, Unit:</b>	1	M2
<b>Pest 2 Code, Type, Scale:</b>	STEME W	STEME W
<b>Stage Majority, Percent:</b>	19	100
<b>Diameter, Unit:</b>	2	IN
<b>Height, Unit:</b>	1	IN
<b>Height Minimum, Maximum:</b>	0.5	1
<b>Density, Unit:</b>	2	M2
<b>Pest 3 Code, Type, Scale:</b>	TAROF W	TAROF W
<b>Stage Majority, Percent:</b>	19	100
<b>Diameter, Unit:</b>	3	IN
<b>Height, Unit:</b>	1	IN
<b>Height Minimum, Maximum:</b>	1	2
<b>Density, Unit:</b>	1	M2
<b>Pest 4 Code, Type, Scale:</b>	ERPSS W	ERPSS W
<b>Stage Majority, Percent:</b>	65	100
<b>Height, Unit:</b>	2	IN
<b>Height Minimum, Maximum:</b>	1	2
<b>Pest 5 Code, Type, Scale:</b>	ERYRE W	ERYRE W
<b>Stage Majority, Percent:</b>	14	100
<b>Height, Unit:</b>	1	IN
<b>Height Minimum, Maximum:</b>	0.5	1
<b>Density, Unit:</b>	1.5	M2
<b>Pest 6 Code, Type, Scale:</b>	AMBTR W	AMBTR W
<b>Stage Majority, Percent:</b>	10D	100 14
<b>Stage Minimum, Percent:</b>		12
<b>Stage Maximum, Percent:</b>		16
<b>Height, Unit:</b>	1	IN 3 IN
<b>Height Minimum, Maximum:</b>		2 6
<b>Pest 7 Code, Type, Scale:</b>	VERAG W	VERAG W
<b>Density, Unit:</b>	2	M2
<b>Pest 8 Code, Type, Scale:</b>	SETFA W	SETFA W
<b>Stage Majority, Percent:</b>		12
<b>Stage Minimum, Percent:</b>		11
<b>Stage Maximum, Percent:</b>		13
<b>Height, Unit:</b>		3 IN
<b>Height Minimum, Maximum:</b>		2 5

**Application Equipment**

	<b>A</b>	<b>B</b>
<b>Appl. Equipment:</b>	6' BACKPACK	6' BACKPACK
<b>Equipment Type:</b>	BACCAI	BACCAI
<b>Operation Pressure, Unit:</b>	44 PSI	44 PSI
<b>Nozzle Type:</b>	AIXR	AIXR
<b>Nozzle Size:</b>	11015	11015
<b>Nozzle Spacing, Unit:</b>	18 IN	18 IN
<b>Nozzles/Row:</b>	4	4
<b>Boom Length, Unit:</b>	6.67 FT	6.67 FT
<b>Boom Height, Unit:</b>	20 IN	20 IN
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH
<b>Carrier:</b>	WATER	WATER
<b>Spray Volume, Unit:</b>	15 gal/ac	15 gal/ac
<b>Mix Size, Unit:</b>	1 liters	1 liters
<b>Propellant:</b>	COMCO2	COMCO2



Pest Type	Weight	Moisture	TestWeight	Weight					
Pest Code									
Pest Scientific Name									
Pest Name									
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA					
BBCH Scale	BSOY	BSOY	BSOY	BSOY					
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max					
Crop Name	Soybean	Soybean	Soybean	Soybean					
Crop Variety	Asgrow 3533	Asgrow 3533	Asgrow 3533	Asgrow 3533					
Description									
Part Rated									
Rating Date	9-28-2015	9-28-2015	9-28-2015	9-28-2015					
Rating Type	WEIGHT	MOICON	WEITES	YIELD					
Rating Unit	LBS	%	LBS/BU	BU					
Sample Size, Unit	1 PLOT			1 A					
Number of Subsamples	1	1	1	1					
SE Group No.	15	16	17	18					
Days After First/Last Applic.	167 129	167 129	167 129	167 129					
Trt-Eval Interval									
Plant-Eval Interval	152 DP-1	152 DP-1	152 DP-1	152 DP-1					
Days After Emergence	141 DE-1	141 DE-1	141 DE-1	141 DE-1					
ARM Action Codes				TY1					
Number of Decimals	1	1	1	1					
Trt Treatment	Other Rate	Other Rate	Appl Unit	Appl Code	Description	15	16	17	18
4 Roundup Power Max	22 oz/a		A	14	EPP	17.6 ab	11.5 a	54.7 a	69.4 ab
4 Tricor	4.5 oz/a		A	14	EPP				
4 Canopy	4 oz/a		A	14	EPP				
4 N-pak ams	1.5 qt/a		A	14	EPP				
4 Roundup Power Max	22 oz/a		B	EPO	2-3" wds				
4 Ultra Blazer	24 oz/a		B	EPO	2-3" wds				
4 N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
4 COC	0.6 qt/a		B	EPO	2-3" wds				
5 Roundup Power Max	22 oz/a		A	14	EPP	18.3 ab	11.1 a	53.4 a	72.6 ab
5 Tricor	3 oz/a		A	14	EPP				
5 Boundary	24 oz/a		A	14	EPP				
5 N-pak ams	1.5 qt/a		A	14	EPP				
5 Roundup Power Max	22 oz/a		B	EPO	2-3" wds				
5 Ultra Blazer	24 oz/a		B	EPO	2-3" wds				
5 N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
5 COC	0.6 qt/a		B	EPO	2-3" wds				
6 Roundup Power Max	32 oz/a		A	14	EPP	18.1 ab	11.6 a	53.0 a	71.1 ab
6 KaPre	1.5 qt/a		A	14	EPP				
6 Roundup Power Max	32 oz/a		B	EPO	2-3" wds				
6 KaPre	3 qt/a		B	EPO	2-3" wds				
7 Roundup Power Max	32 oz/a		A	14	EPP	16.2 b	11.4 a	54.0 a	63.9 b
7 N-pak ams	1.5 qt/a		A	14	EPP				
7 Roundup Power Max	32 oz/a		B	EPO	2-3" wds				
7 N-pak ams	1.5 qt/a		B	EPO	2-3" wds				
8 UTC						2.8 c	10.1 a	24.0 b	11.2 c
LSD P=.05	2.22						1.39	4.58	8.96
Standard Deviation	1.27						0.80	2.61	5.11
CV	7.97						7.09	5.2	8.14
Grand Mean	15.92						11.22	50.26	62.81
Bartlett's X2	9.713						15.55	24.008	8.609
P(Bartlett's X2)	0.205						0.03*	0.001*	0.282
Skewness	-2.1113*						-2.5595*	-2.564*	-2.1039*
Kurtosis	3.3461*						9.1652*	5.5865*	3.3235*
Replicate F	5.679						1.109	1.116	5.307
Replicate Prob(F)	0.0156						0.3572	0.3550	0.0193
Treatment F	53.420						1.183	49.535	50.995
Treatment Prob(F)	0.0001						0.3721	0.0001	0.0001

Crop Code

GLXMA, BSOY, Glycine max, = US

Rating Type

WEIGHT = weight  
MOICON = moisture content  
WEITES = weight - test  
YIELD = yield

Rating Unit

% = percent  
BU = bushel

PLOT = total plot

A = acre

Plant-Eval Interval

152 DP-1 = 1 GLXMA 4-29-2015

ARM Action Codes

TY1 =  $3.872 * [15] * (100 - [16]) / 87$