

# Ohio State University Horticulture and Crop Science

## MAX YIELD INPUT TRIAL, HERBICIDE, FUNGICIDE AND INSECTICIDE

## Title No. 2:

Trial ID: 10SOYMAX      Protocol ID: 10SOYMAX  
 Location: Western Branch G-7      Study Director: Bryan Reeb  
 Project ID: 10SOYMAX      Investigator: Dr. Mark M. Loux  
 Sponsor Contact: CAREN JUDGE, BASF

### General Trial Information

**Study Director:** Bryan Reeb  
**Investigator:** Dr. Mark M. Loux

#### Trial Location

**City:** South Charleston      **Latitude of LL Corner °:** 39.85814 N  
**State/Prov.:** Ohio      **Longitude of LL Corner °:** 83.67628 W  
**Postal Code:** 45368      **Altitude of LL Corner, Unit:** 1093.00 FT  
**Country:** USA

### Personnel

**Study Director:** Bryan Reeb  
**Investigator:** Dr. Mark M. Loux

### Crop Description

**Crop 1:** GLXMA Glycine max Soybean  
**Variety:** SC 9349 RR      **Description:** RR  
**BBCH Scale:** BSOY      **Planting Date:** Apr-29-2010  
**Planting Method:** SEEDED seeded      **Rate, Unit:** 196000 S/A  
**Depth, Unit:** 0.75 IN  
**Row Spacing, Unit:** 15 IN  
**Seed Bed:** N0-TIL  
**Soil Moisture:** GOOD good      **Emergence Date:** May-7-2010  
**Harvested Width, Unit:** 6.25 FT      **Harvested Length, Unit:** 30 FT

### Pest Description

**Pest 1 Type:** W      **Code:** ERICA Conyza canadensis  
**Common Name:** horseweed

**Pest 2 Type:** W      **Code:** LAMPU Lamium purpureum  
**Common Name:** Purple deadnettel

**Pest 3 Type:** W      **Code:** VERPG Veronica peregrina  
**Common Name:** Purslane speedwell

**Pest 4 Type:** W      **Code:** SETFA Setaria faberi  
**Common Name:** Giant foxtail

**Pest 5 Type:** W      **Code:** SENGL Senecio glabellus  
**Common Name:** Cressleaf groundsel

**Pest 6 Type:** W      **Code:** STEME Stellaria media  
**Common Name:** Common chickweed

**Pest 7 Type:** W      **Code:** AMBTR Ambrosia trifida  
**Common Name:** Giant ragweed

### Site and Design

**Plot Width, Unit:** 10 FT      **Site Type:** FIELD field  
**Plot Length, Unit:** 30 FT      **Experimental Unit:** 1 PLOT plot  
**Plot Area, Unit:** 300 FT2      **Tillage Type:** NOTILL no-till  
**Replications:** 6      **Study Design:** RACOB� Randomized Complete Block (RCB)  
**Untreated Arrangement:** INCLUDED single control randomized in each block

### Soil Description

**Description Name:** G-7  
**% OM:** 2      **Texture:** SIL silt loam  
**pH:** 6.2      **Soil Name:** Crosby Silt Loam  
**CEC:** 14      **Fert. Level:** G good  
**Soil Drainage:** G good

**Application Description**

	<b>A</b>	<b>B</b>	<b>C</b>
Application Date:	Apr-21-2010	Jun-8-2010	Jul-8-2010
Time of Day:	9:00 AM	9:40 AM	8:45 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	7 EPP	EPO	LPO
Application Placement:	BROFOL	BROFOL	BROFOL
Air Temperature, Unit:	53 F	60 F	81.5 F
% Relative Humidity:	49	65	73
Wind Velocity, Unit:	3 MPH	5 MPH	0 MPH
Wind Direction:	WSW	ESE	
Dew Presence (Y/N):	N no	N no	Y yes
Soil Temperature, Unit:	50 F	62 F	75 F
Soil Moisture:	DRY	GOOD	DRY
% Cloud Cover:	2	10	0
Next Rain Occurred On:	Apr-24-2010	Jun-8-2010	Jul-8-2010

**Crop Stage At Each Application**

	<b>A</b>		<b>B</b>		<b>C</b>	
Crop 1 Code, BBCH Scale:	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY
Stage Scale Used:			BBCH		BBCH	
Stage Majority, Percent:			13	100	69	100
Height, Unit:			10	IN	26	IN
Height Minimum, Maximum:			8	10	24	28

**Pest Stage At Each Application**

	<b>A</b>		<b>B</b>		<b>C</b>	
Pest 1 Code, Type, Scale:	ERICA	W	ERICA	W	ERICA	W
Stage Majority, Percent:	19	100	19	100	19	100
Diameter, Unit:	3	IN				
Height, Unit:	3	IN	6	IN	28	IN
Height Minimum, Maximum:	2	3	3	6	26	30
Pest 2 Code, Type, Scale:	LAMPU	W	LAMPU	W	LAMPU	W
Stage Majority, Percent:	65	100				
Diameter, Unit:	5	IN				
Height, Unit:	6	IN				
Height Minimum, Maximum:	5	6				
Pest 3 Code, Type, Scale:	VERPG	W	VERPG	W	VERPG	W
Stage Majority, Percent:	65	100				
Diameter, Unit:	3	IN				
Height, Unit:	6	IN				
Height Minimum, Maximum:	4	6				
Pest 4 Code, Type, Scale:	SETFA	W	SETFA	W	SETFA	W
Stage Majority, Percent:			15	100		
Height, Unit:			10	IN		
Height Minimum, Maximum:			8	10		
Pest 5 Code, Type, Scale:	SENGL	W	SENGL	W	SENGL	W
Stage Majority, Percent:	19	100				
Height, Unit:	6	IN				
Height Minimum, Maximum:	4	6				
Pest 6 Code, Type, Scale:	STEME	W	STEME	W	STEME	W
Stage Majority, Percent:	19	100				
Diameter, Unit:	6	IN				
Pest 7 Code, Type, Scale:	AMBTR	W	AMBTR	W	AMBTR	W
Stage Majority, Percent:			18	100		
Height, Unit:			10	IN		
Height Minimum, Maximum:			8	10		

**Application Equipment**

	<b>A</b>	<b>B</b>	<b>C</b>
Appl. Equipment:	Backpack	Backpack	Backpack
Equipment Type:	SPRBAC	SPRBAC	SPRBAC
Operating Pressure, Unit:	52 PSI	52 PSI	52 PSI
Nozzle Type:	DG	DG	DG
Nozzle Size:	8002	11002	8002
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN
Boom Length, Unit:	6.67 FT	10 FT	10 FT
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	20 gal/ac	20 gal/ac	20 gal/ac
Mix Size, Unit:	0.33 gallons	3 gallons	0.33 gallons
Propellant:	COMCO2	COMCO2	COMCO2

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## MAX YIELD INPUT TRIAL, HERBICIDE, FUNGICIDE AND INSECTICIDE

Title No. 2:

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Sponsor Contact: CAREN JUDGE, BASF

Pest Type					W Weed	W Weed	W Weed	W Weed		
Pest Code					STEME	LAMPU	ERICA	VERPG		
Pest Scientific Name					Stellaria media	Lamium purpure>	Conyza canaden>	Veronica peregr>		
Pest Name					Common chickwe>	Purple deadnet>	Canada horsewe>	Purslane speed>		
Crop Code										
BBCH Scale										
Crop Scientific Name										
Crop Name										
Rating Date					May-17-2010	May-17-2010	May-17-2010	May-17-2010		
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit					%	%	%	%		
Number of Subsamples					1	1	1	1		
Days After First/Last Applic.					26 26	26 26	26 26	26 26		
Trt-Eval Interval					26 DA-A	26 DA-A	26 DA-A	26 DA-A		
Plant-Eval Interval					18 DP-1	18 DP-1	18 DP-1	18 DP-1		
Days After Emergence					10 DE-	10 DE-	10 DE-	10 DE-		
ARM Action Codes										
Number of Decimals					0	0	0	0		
Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Rate	Appl Unit Code	1	2	3	4
1	Untreated Check						0	0	0	0
2	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	100	98	93	100
	2 2,4-D	4 LBA/GAL		1 pt/a		A				
	2 Nis	100 %		0.2 qt/a		A				
	2 N-pak ams	100 %		4 qt/a		A				
	2 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B				
	2 N-pak ams	100 %		4 qt/a		B				
	2 Nis	100 %		0.2 qt/a		B				
3	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	100	98	100	100
	3 OpTill	68 %AW/W		2 oz/a		A				
	3 Mso	100 %		0.8 qt/a		A				
	3 N-pak ams	100 %		4 qt/a		A				
	3 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B				
	3 N-pak ams	100 %		4 qt/a		B				
	3 Nis	100 %		0.2 qt/a		B				
4	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	100	98	100	100
	4 OpTill	68 %AW/W		2 oz/a		A				
	4 Mso	100 %		0.8 qt/a		A				
	4 N-pak ams	100 %		4 qt/a		A				
	4 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B				
	4 N-pak ams	100 %		4 qt/a		B				
	4 Nis	100 %		0.2 qt/a		B				
	4 Headline	2.09 LBA/GAL		6 oz/a		C				
	4 Nis	100 %		0.2 qt/a		C				
5	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	100	100	98	100
	5 OpTill	68 %AW/W		2 oz/a		A				
	5 Mso	100 %		0.8 qt/a		A				
	5 N-pak ams	100 %		4 qt/a		A				
	5 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B				
	5 N-pak ams	100 %		4 qt/a		B				
	5 Nis	100 %		0.2 qt/a		B				
	5 Headline	2.09 LBA/GAL		6 oz/a		C				
	5 Respect	100 %		3.2 oz/a		C				
	5 Nis	100 %		0.2 qt/a		C				
6	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	100	100	98	100
	6 Sharpen	2.85 LBA/GAL		1 oz/a		A				
	6 Scepter	70 %AW/W		2.8 oz/a		A				
	6 N-pak ams	100 %		2 qt/a		A				
	6 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B				
	6 N-pak ams	100 %		4 qt/a		B				
LSD (P=.05)							0.0	3.3	4.3	0.0
Standard Deviation							0.0	2.8	3.6	0.0
CV							0.0	3.36	4.42	0.0
Bartlett's X2							0.0	0.0	1.001	0.0
P(Bartlett's X2)							.	.	0.606	.
Replicate F							0.000	1.522	0.613	0.000
Replicate Prob(F)							1.0000	0.2189	0.6909	1.0000
Treatment F							0.000	1278.913	739.452	0.000
Treatment Prob(F)							1.0000	0.0001	0.0001	1.0000

Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	SENGL	CAPBP	SETFA	AMBTR							
Pest Scientific Name	Senecio glabel>	Capsella bursa>	Setaria faberi	Ambrosia trifi>							
Pest Name	Cressleaf grou>	Shepherd's pur>	Giant foxtail	Giant ragweed							
Crop Code			GLXMA								
BBCH Scale			BSOY								
Crop Scientific Name			Glycine max								
Crop Name			Soybean								
Rating Date	May-17-2010	May-17-2010	Jun-8-2010	Jun-8-2010							
Rating Type	CONTROL	CONTROL	PHYLMA	CONTROL							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Days After First/Last Applic.	26 26	26 26	48 48	48 48							
Trt-Eval Interval	26 DA-A	26 DA-A	0 DA-B	0 DA-B							
Plant-Eval Interval	18 DP-1	18 DP-1	40 DP-1	40 DP-1							
Days After Emergence	10 DE-	10 DE-	32 DE-	32 DE-							
ARM Action Codes											
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Rate	Appl Unit Code	5	6	7	8	9
1	Untreated Check						0	0	0	0	0
2	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	100	100	0	5	77
	2 2,4-D	4 LBA/GAL		1 pt/a		A					
	2 Nis	100 %		0.2 qt/a		A					
	2 N-pak ams	100 %		4 qt/a		A					
	2 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	2 N-pak ams	100 %		4 qt/a		B					
	2 Nis	100 %		0.2 qt/a		B					
3	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	100	100	2	97	90
	3 OpTill	68 %AW/W		2 oz/a		A					
	3 Mso	100 %		0.8 qt/a		A					
	3 N-pak ams	100 %		4 qt/a		A					
	3 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	3 N-pak ams	100 %		4 qt/a		B					
	3 Nis	100 %		0.2 qt/a		B					
4	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	100	100	0	97	95
	4 OpTill	68 %AW/W		2 oz/a		A					
	4 Mso	100 %		0.8 qt/a		A					
	4 N-pak ams	100 %		4 qt/a		A					
	4 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	4 N-pak ams	100 %		4 qt/a		B					
	4 Nis	100 %		0.2 qt/a		B					
	4 Headline	2.09 LBA/GAL		6 oz/a		C					
	4 Nis	100 %		0.2 qt/a		C					
5	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	100	100	1	96	93
	5 OpTill	68 %AW/W		2 oz/a		A					
	5 Mso	100 %		0.8 qt/a		A					
	5 N-pak ams	100 %		4 qt/a		A					
	5 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	5 N-pak ams	100 %		4 qt/a		B					
	5 Nis	100 %		0.2 qt/a		B					
	5 Headline	2.09 LBA/GAL		6 oz/a		C					
	5 Respect	100 %		3.2 oz/a		C					
	5 Nis	100 %		0.2 qt/a		C					
6	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	100	100	6	100	100
	6 Sharpen	2.85 LBA/GAL		1 oz/a		A					
	6 Scepter	70 %AW/W		2.8 oz/a		A					
	6 N-pak ams	100 %		2 qt/a		A					
	6 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	6 N-pak ams	100 %		4 qt/a		B					
LSD (P=.05)							0.0	0.0	2.3	7.0	20.3
Standard Deviation							0.0	0.0	1.9	5.9	17.1
CV							0.0	0.0	126.71	8.92	22.55
Bartlett's X2							0.0	0.0	8.901	17.321	13.322
P(Bartlett's X2)							.	.	0.031*	0.002*	0.004*
Replicate F							0.000	0.000	0.737	3.080	0.677
Replicate Prob(F)							1.0000	1.0000	0.6030	0.0266	0.6446
Treatment F							0.000	0.000	7.550	419.693	29.576
Treatment Prob(F)							1.0000	1.0000	0.0002	0.0001	0.0001

Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	ERICA	SENGL	SETFA	AMBTR							
Pest Scientific Name	Conyza canadensis	Senecio glabellus	Setaria faberii	Ambrosia trifida							
Pest Name	Canada horseweed	Cressleaf groundsel	Giant foxtail	Giant ragweed							
Crop Code			GLXMA								
BBCH Scale			BSOY								
Crop Scientific Name			Glycine max								
Crop Name			Soybean								
Rating Date	Jun-8-2010	Jun-8-2010	Jun-28-2010	Jun-28-2010							
Rating Type	CONTROL	CONTROL	PHYGEN	CONTROL							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Days After First/Last Applic.	48 48	48 48	68 20	68 20							
Trt-Eval Interval	0 DA-B	0 DA-B	20 DA-B	20 DA-B							
Plant-Eval Interval	40 DP-1	40 DP-1	60 DP-1	60 DP-1							
Days After Emergence	32 DE-	32 DE-	52 DE-	52 DE-							
ARM Action Codes											
Number of Decimals	0	0	0	0							
Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Unit	Appl Code	10	11	12	13	14
1	Untreated Check						0	0	0	100	98
2	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	37	100	0	100	99
	2 2,4-D	4 LBA/GAL		1 pt/a		A					
	2 Nis	100 %		0.2 qt/a		A					
	2 N-pak ams	100 %		4 qt/a		A					
	2 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	2 N-pak ams	100 %		4 qt/a		B					
	2 Nis	100 %		0.2 qt/a		B					
3	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	85	100	0	100	99
	3 OpTill	68 %AW/W		2 oz/a		A					
	3 Mso	100 %		0.8 qt/a		A					
	3 N-pak ams	100 %		4 qt/a		A					
	3 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	3 N-pak ams	100 %		4 qt/a		B					
	3 Nis	100 %		0.2 qt/a		B					
4	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	91	100	0	100	100
	4 OpTill	68 %AW/W		2 oz/a		A					
	4 Mso	100 %		0.8 qt/a		A					
	4 N-pak ams	100 %		4 qt/a		A					
	4 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	4 N-pak ams	100 %		4 qt/a		B					
	4 Nis	100 %		0.2 qt/a		B					
	4 Headline	2.09 LBA/GAL		6 oz/a		C					
	4 Nis	100 %		0.2 qt/a		C					
5	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	82	100	0	100	100
	5 OpTill	68 %AW/W		2 oz/a		A					
	5 Mso	100 %		0.8 qt/a		A					
	5 N-pak ams	100 %		4 qt/a		A					
	5 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	5 N-pak ams	100 %		4 qt/a		B					
	5 Nis	100 %		0.2 qt/a		B					
	5 Headline	2.09 LBA/GAL		6 oz/a		C					
	5 Respect	100 %		3.2 oz/a		C					
	5 Nis	100 %		0.2 qt/a		C					
6	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	92	100	0	100	100
	6 Sharpen	2.85 LBA/GAL		1 oz/a		A					
	6 Scepter	70 %AW/W		2.8 oz/a		A					
	6 N-pak ams	100 %		2 qt/a		A					
	6 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	6 N-pak ams	100 %		4 qt/a		B					
LSD (P=.05)							11.1	0.0	0.0	0.0	3.4
Standard Deviation							9.3	0.0	0.0	0.0	2.8
CV							14.51	0.0	0.0	0.0	2.85
Bartlett's X2							2.174	0.0	0.0	0.0	8.258
P(Bartlett's X2)							0.704	.	.	.	0.016*
Replicate F							3.370	0.000	0.000	0.000	0.709
Replicate Prob(F)							0.0183	1.0000	1.0000	1.0000	0.6220
Treatment F							97.522	0.000	0.000	0.000	0.709
Treatment Prob(F)							0.0001	1.0000	1.0000	1.0000	0.6220

Pest Type	W Weed	D Disease	W Weed	W Weed
Pest Code	ERICA		AMBTR	ERICA
Pest Scientific Name	Conyza canadens		Ambrosia trifi	Conyza canadens
Pest Name	Canada horsewe		Giant ragweed	Canada horsewe
Crop Code				
BBCH Scale				
Crop Scientific Name				
Crop Name				
Rating Date	Jun-28-2010	Jul-29-2010	Sep-17-2010	Sep-17-2010
Rating Type	CONTROL	INFEST	CONTROL	CONTROL
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	68 20	99 21	149 71	149 71
Trt-Eval Interval	20 DA-B	21 DA-C		
Plant-Eval Interval	60 DP-1	91 DP-1	141 DP-1	141 DP-1
Days After Emergence	52 DE-	83 DE-	133 DE	133 DE
ARM Action Codes				
Number of Decimals		0	0	0

Trt No.	Treatment Name	Form Conc	Form Unit	Other Rate	Other Unit	Appl Code	15	16	17	18	
1	Untreated Check							0	0	97	33
2	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	48	0	100		81
	2 2,4-D	4 LBA/GAL		1 pt/a		A					
	2 Nis	100 %		0.2 qt/a		A					
	2 N-pak ams	100 %		4 qt/a		A					
	2 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	2 N-pak ams	100 %		4 qt/a		B					
	2 Nis	100 %		0.2 qt/a		B					
3	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	88	0	98		95
	3 OpTill	68 %AW/W		2 oz/a		A					
	3 Mso	100 %		0.8 qt/a		A					
	3 N-pak ams	100 %		4 qt/a		A					
	3 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	3 N-pak ams	100 %		4 qt/a		B					
	3 Nis	100 %		0.2 qt/a		B					
4	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	88	0	99		93
	4 OpTill	68 %AW/W		2 oz/a		A					
	4 Mso	100 %		0.8 qt/a		A					
	4 N-pak ams	100 %		4 qt/a		A					
	4 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	4 N-pak ams	100 %		4 qt/a		B					
	4 Nis	100 %		0.2 qt/a		B					
	4 Headline	2.09 LBA/GAL		6 oz/a		C					
	4 Nis	100 %		0.2 qt/a		C					
5	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	84	0	99		82
	5 OpTill	68 %AW/W		2 oz/a		A					
	5 Mso	100 %		0.8 qt/a		A					
	5 N-pak ams	100 %		4 qt/a		A					
	5 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	5 N-pak ams	100 %		4 qt/a		B					
	5 Nis	100 %		0.2 qt/a		B					
	5 Headline	2.09 LBA/GAL		6 oz/a		C					
	5 Respect	100 %		3.2 oz/a		C					
	5 Nis	100 %		0.2 qt/a		C					
6	Roundup Power Max	4.5 LBAE/GAL		22 oz/a		A	90	0	99		98
	6 Sharpen	2.85 LBA/GAL		1 oz/a		A					
	6 Scepter	70 %AW/W		2.8 oz/a		A					
	6 N-pak ams	100 %		2 qt/a		A					
	6 Roundup Power Max	4.5 LBAE/GAL		22 oz/a		B					
	6 N-pak ams	100 %		4 qt/a		B					
LSD (P=.05)				5.5				0.0	4.6		16.0
Standard Deviation				4.7				0.0	3.9		13.5
CV				7.0				0.0	3.95		16.81
Bartlett's X2				8.053				0.0	18.212		18.981
P(Bartlett's X2)				0.09				.	0.001*		0.002*
Replicate F				5.794				0.000	0.628		2.257
Replicate Prob(F)				0.0011				1.0000	0.6797		0.0798
Treatment F				363.412				0.000	0.519		19.097
Treatment Prob(F)				0.0001				1.0000	0.7594		0.0001

# Ohio State University Horticulture and Crop Science

## MAX YIELD INPUT TRIAL, HERBICIDE, FUNGICIDE AND INSECTICIDE

Title No. 2:

Trial ID: 10SOYMAX                      Protocol ID: 10SOYMAX  
Location: Western Branch G-7        Study Director: Bryan Reeb  
Project ID: 10SOYMAX                Investigator: Dr. Mark M. Loux  
Sponsor Contact: CAREN JUDGE, BASF

Pest Type

W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop  
D, Disease, G-BYRD7, G-DisStg = Disease, such as a fungus, bacteria, or virus

Pest Code

STEME, Stellaria media, = US  
LAMPU, Lamium purpureum, = US  
ERICA, Conyza canadensis, = US  
VERPG, Veronica peregrina, = US  
SENGL, Senecio glabellus, = US  
CAPBP, Capsella bursa-pastoris, = US  
SETFA, Setaria faberi, = US  
AMBTR, Ambrosia trifida, = US

Crop Code

GLXMA, BSOY, Glycine max, = US

Rating Type

PHYLMA = phytotoxicity - leaf malformation  
PHYGEN = phytotoxicity - general / injury  
INFEST = infestation

Rating Unit

% = percent

Plant-Eval Interval

18 DP-1 = 1 Apr-29-2010  
40 DP-1 = 1 Apr-29-2010  
60 DP-1 = 1 Apr-29-2010  
91 DP-1 = 1 Apr-29-2010  
141 DP-1 = 1 Apr-29-2010