

Ohio State University  
Horticulture and Crop Science

Liberty Timing in Liberty Link Soybean (Study 1).

Trial ID: 08LLSOY1 Protocol ID: 08LLSOY1  
Location: CLARKSBURG, OHIO Study Director: Kevin Westerfeld/ Melissa Kruger  
Investigator: Dr. Mark M. Loux

**General Trial Information**

Study Director: Anthony F. Dobbels  
Affiliation: OSU  
Investigator: Dr. Mark M. Loux  
Affiliation: OSU

**Trial Location**

City: CLARKSBURG  
State/Prov.: OH

**Crop Description**

Crop 1: GLXMA Glycine max Soybean  
Variety: SG 3888NLL  
BBCH Scale: BSOY Planting Date: May/06/2008  
Planting Method: JOHN DEERE 7200 Rate, Unit: 183000 SEED/A  
Depth, Unit: 1 IN  
Row Spacing, Unit: 15 IN  
Seed Bed: CONVENTIONAL Soil Temperature, Unit: 69 F  
Soil Moisture: DRY/DRY

**Pest Description**

Pest 1 Type: W Code: AMBTR Ambrosia trifida  
Common Name: Giant ragweed  
Pest 2 Type: W Code: CHEAL Chenopodium album  
Common Name: Common lambsquarters  
Pest 3 Type: W Code: AMBEL Ambrosia artemisiifolia  
Common Name: Common ragweed  
Pest 4 Type: W Code: HIBTR Hibiscus trionum  
Common Name: Venice mallow

**Site and Design**

Plot Width, Unit: 10 FT  
Plot Length, Unit: 30 FT Tillage Type: CONVENTIONAL  
Replications: 3 Study Design: Randomized Complete Block

**Field Prep./Maintenance:**

BURNDOWN ENTIRE TRIAL WITH 3 PT GRAMOXONE INTION + NIS 0.25% V/V 5-6-08

**Soil Description**

Description Name: BLUCK'S  
% Sand: 24.5 % OM: 2.9 Texture: SILTY CLAY LOAM  
% Silt: 48.9 pH: 6.8 Soil Name: KOKOMO  
% Clay: 26.6 CEC: 11.7 Fert. Level: GOOD  
Analyzed By:  
Calmer soil testing labs, Westerville, OH 43081

**Application Description**

	A	B	C	D	E	F	G
Application Date:	May/06/2008	May/28/2008	Jun/17/2008	Jun/12/2008	Jul/01/2008	Jun/17/2008	Jul/08/2008
Time of Day:	6:00 P.M.	9:00 A.M.	9:00 A.M.	8:00 A.M.	9:00 A.M.	9:00 A.M.	9:00 A.M.
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	22 DAPL	21 DAB	4-6" GIRW	21 DA D	8-12" GIR	21 DAF
Application Placement:	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST	BROADCAST
Applied By:	BRUCE	JOHN	BRUCE	BRUCE	JOHN	BRUCE	MARK
Air Temperature, Unit:	74 F	60 F	73 F	73 F	74 F	73 F	71 F
% Relative Humidity:	50	48	49	63	67	49	65
Wind Velocity, Unit:	5 MPH	8 MPH	4 MPH	2 MPH	1 MPH	4 MPH	5 MPH
Wind Direction:	S	NE	W	SE	SSW	W	W
Soil Temperature, Unit:	69 F	59 F	65 F	69 F	69 F	65 F	63 F
Soil Moisture:	DRY/DRY	MOIST/MOIS	DRY/MOIST	DRY/MOIST	MOIST/WET	DRY/MOIST	DRY/MOIST
% Cloud Cover:	25	10	5	3	0	5	7
Next Rain Occurred On:	May/08/2008						

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	H	I	J	K
Application Date:	Jun/17/2008	Jul/08/2008	Jun/24/2008	Jul/15/2008
Time of Day:	9:00 A.M.	9:00 A.M.	9:00 A.M.	8:00 A.M.
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	4-6" REGR	21 DAH	8-12"GRWR	21 DAF
Application Placement:	BROADCAST	BROADCAST	BROADCAST	BROADCAST
Applied By:	BRUCE	MARK	BRUCE	BRUCE
Air Temperature, Unit:	73 F	71 F	77 F	72 F
% Relative Humidity:	49	65	78	70
Wind Velocity, Unit:	4 MPH	5 MPH	1 MPH	1 MPH
Wind Direction:	W	W	W	W
Soil Temperature, Unit:	65 F	63 F	67 F	64 F
Soil Moisture:	DRY/MOIST	DRY/MOIST	DRY/DRY	MOIST/MOIS
% Cloud Cover:	5	7		
Next Rain Occurred On:				

Crop Stage At Each Application

	A		B		C		D		E		F		G	
Crop 1 Code, BBCH Scale:	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY
Stage Scale Used:			DESC		DESC		DESC		DESC		DESC		DESC	
Stage Majority, Percent:			V2		V3		V3		V4		V3		V5	
Height, Unit:			3	IN	5	IN	5	IN	7	IN	5	IN	8	IN
Height Minimum, Maximum:			2.5	3.5	4.5	5.5	4.5	5.5	6.5	7.5	4.5	5.5	2	12

  

	H		I		J		K	
Crop 1 Code, BBCH Scale:	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY
Stage Scale Used:			DESC		DESC		DESC	
Stage Majority, Percent:			V3		R1		V4	
Height, Unit:			5	IN	19	IN	6.5	IN
Height Minimum, Maximum:			4.5	5.5	16	21	5.5	7.5

Pest Stage At Each Application

	A		B		C		D		E		F		G		H			
Pest 1 Code, Disc., Scale:	AMBTR	W	AMBTR	W	BBCH	AMBTR	W	AMBTR	W	AMBTR	W	AMBTR	W	AMBTR	W	AMBTR	W	
Stage Majority, Percent:			2	LEAF		4	LVS		6	LVS		12	LVS		>12	LV	12	LVS
Stage Minimum, Percent:			2	LEAF		4	LVS		6	LVS		6	LVS		8	LVS	4	LVS
Stage Maximum, Percent:			2	LEAF		4	LVS		6	LVS		>12	LV		>12	LV	>12	LV
Height, Unit:			1.5	IN		3	IN	4	IN		12	IN	16	IN	6	IN	6	IN
Height Minimum, Maximum:			1	2		1	4	3.5	4.5		3	15	10	20	3	8		
Pest 2 Code, Disc., Scale:	CHEAL	W	CHEAL	W	BBCH	CHEAL	W	CHEAL	W	CHEAL	W	CHEAL	W	CHEAL	W	CHEAL	W	
Stage Majority, Percent:			2	LEAF				8	LVS				>12	LV				
Stage Minimum, Percent:			2	LEAF				6	LVS				>12	LV				
Stage Maximum, Percent:			2	LEAF				8	LVS				>12	LV				
Height, Unit:			0.75	IN				2.5	IN				15	IN				
Height Minimum, Maximum:			0.5	1				2	3				6	22				
Pest 3 Code, Disc., Scale:	AMBEL	W	AMBEL	W		AMBEL	W	AMBEL	W	AMBEL	W	AMBEL	W	AMBEL	W	AMBEL	W	
Stage Majority, Percent:								2	LVS				10	LVS				
Stage Minimum, Percent:								2	LVS				6	LVS				
Stage Maximum, Percent:								2	LVS				>12	LV				
Height, Unit:								2	IN				12	IN				
Height Minimum, Maximum:								1.5	2.5				8	17				
Pest 4 Code, Disc., Scale:	HIBTR	W	HIBTR	W		HIBTR	W	HIBTR	W	HIBTR	W	HIBTR	W	HIBTR	W	HIBTR	W	
Stage Majority, Percent:								2	LVS				6	LVS				
Stage Minimum, Percent:								2	LVS				4	LVS				
Stage Maximum, Percent:								2	LVS				>12	LV				
Height, Unit:								1.5	IN				12	IN				
Height Minimum, Maximum:								1	2	1	2		6	16				

  

	I		J		K	
Pest 1 Code, Disc., Scale:	AMBTR	W	AMBTR	W	AMBTR	W
Stage Majority, Percent:					>12	LV
Stage Minimum, Percent:					6	LVS
Stage Maximum, Percent:					>12	LV
Height, Unit:					18	IN
Height Minimum, Maximum:					4	24
Pest 2 Code, Disc., Scale:	CHEAL	W	CHEAL	W	CHEAL	W
Stage Majority, Percent:						
Stage Minimum, Percent:						
Stage Maximum, Percent:						
Height, Unit:						
Height Minimum, Maximum:						
Pest 3 Code, Disc., Scale:	AMBEL	W	AMBEL	W	AMBEL	W
Stage Majority, Percent:						
Stage Minimum, Percent:						
Stage Maximum, Percent:						
Height, Unit:						
Height Minimum, Maximum:						
Pest 4 Code, Disc., Scale:	HIBTR	W	HIBTR	W	HIBTR	W
Stage Majority, Percent:						
Stage Minimum, Percent:						
Stage Maximum, Percent:						
Height, Unit:						
Height Minimum, Maximum:						

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Application Equipment

	A		B		C		D		E		F	
Appl. Equipment:	BACKPACK		BACKPACK		BACKPACK		BACKPACK		BACKPACK		BACKPACK	
Operating Pressure, Unit:	53	PSI	53	PSI	53	PSI	53	PSI	53	PSI	53	PSI
Nozzle Type:	TEEJET DG		TEEJET DG		TEEJET DG		TEEJET DG		TEEJET DG		TEEJET DG	
Nozzle Size:	11002		11002		11002		11002		11002		11002	
Nozzle Spacing, Unit:	18	IN	18	IN	18	IN	18	IN	18	IN	18	IN
Boom Length, Unit:	10	FT	10	FT	10	FT	10	FT	10	FT	10	FT
Boom Height, Unit:	20	IN	20	IN	20	IN	20	IN	20	IN	20	IN
Ground Speed, Unit:	3	MPH	3	MPH	3	MPH	3	MPH	3	MPH	3	MPH
Carrier:	WATER		WATER		WATER		WATER		WATER		WATER	
Spray Volume, Unit:	20	GPA	20	GPA	20	GPA	20	GPA	20	GPA	20	GPA
Mix Size, Unit:	3	Liters	3	Liters	3	Liters	3	Liters	3	Liters	3	Liters
Propellant:	CO2		CO2		CO2		CO2		CO2		CO2	

	G		H		I		J		K	
Appl. Equipment:	BACKPACK		BACKPACK		BACKPACK		BACKPACK		BACKPACK	
Operating Pressure, Unit:	53	PSI	53	PSI	53	PSI	53	PSI	53	PSI
Nozzle Type:	TEEJET DG		TEEJET DG		TEEJET DG		TEEJET DG		TEEJET DG	
Nozzle Size:	11002		11002		11002		11002		11002	
Nozzle Spacing, Unit:	18	IN	18	IN	18	IN	18	IN	18	IN
Boom Length, Unit:	10	FT	10	FT	10	FT	10	FT	10	FT
Boom Height, Unit:	20	IN	20	IN	20	IN	20	IN	20	IN
Ground Speed, Unit:	3	MPH	3	MPH	3	MPH	3	MPH	3	MPH
Carrier:	WATER		WATER		WATER		WATER		WATER	
Spray Volume, Unit:	20	GPA	20	GPA	20	GPA	20	GPA	20	GPA
Mix Size, Unit:	3	Liters	3	Liters	3	Liters	3	Liters	3	Liters
Propellant:	CO2		CO2		CO2		CO2		CO2	

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Investigator: Dr. Mark M. Loux

Pest Type						W Weed		W Weed	W Weed	W Weed	
Pest Code						AMBTR		SETFA	AMBTR	CHEAL	
Crop Code						GLXMA		GLXMA			
BBCH Scale						BSOY		BSOY			
Crop Name						Soybean		Soybean			
Rating Date						Jun/09/2008	Jun/09/2008	Jun/24/2008	Jun/24/2008	Jun/24/2008	
Rating Data Type						PHYTO	CONTROL	PHYTO	CONTROL	CONTROL	
Rating Unit						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Days After First/Last Applic.						34 12	34 12	49 0	49 0	49 0	
Plant-Eval Interval						34 DP-1	34 DP-1	49 DP-1	49 DP-1	49 DP-1	
Number of Decimals						0	0	0	0	0	
Trt No.	Treatment Name	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6
1	Untreated Check							0 b	0 b	0 c	0 b
2	Ignite	22 fl oz/a		22DASE	B			1 b	99 a	82 b	99 a
2	Ammonium Sulfate	4 qt/a		22DASE	B						
3	Ignite	22 fl oz/a		22DASE	B			3 b	100 a	100 a	99 a
3	Ammonium Sulfate	4 qt/a		22DASE	B						
3	Ignite	22 fl oz/a		21 DAB	C						
3	Ammonium Sulfate	4 qt/a		21 DAB	C						
4	Ignite	22 fl oz/a		MIPOWE	D			1 b	100 a	98 a	98 a
4	Ammonium Sulfate	4 qt/a		MIPOWE	D						
5	Ignite	22 fl oz/a		MIPOWE	D			1 b	100 a	100 a	91 a
5	Ammonium Sulfate	4 qt/a		MIPOWE	D						
5	Ignite	22 fl oz/a		21 DAD	E						
5	Ammonium Sulfate	4 qt/a		21 DAD	E						
6	Ignite	22 fl oz/a		LAPOWE	F			2 b	100 a	98 a	92 a
6	Ammonium Sulfate	4 qt/a		LAPOWE	F						
7	Ignite	22 fl oz/a		LAPOWE	F			1 b	100 a	99 a	90 a
7	Ammonium Sulfate	4 qt/a		LAPOWE	F						
7	Ignite	22 fl oz/a		21 DAF	G						
7	Ammonium Sulfate	4 qt/a		21 DAF	G						
8	Valor XLT 3.5 oz			PREPLA	A	15 a	82 a	8 a	100 a	99 a	100 a
8	Valor	1.76 oz/a		PREPLA	A						
8	Classic	1.24 oz/a		PREPLA	A						
8	Ignite	22 fl oz/a		MIPOWE	H						
8	Ammonium Sulfate	4 qt/a		MIPOWE	H						
8	Ignite	22 fl oz/a		21 DAH	I						
8	Ammonium Sulfate	4 qt/a		21 DAH	I						
9	BAS 800 04H	1 oz/a		PREPLA	A	7 a	72 a	4 b	100 a	95 a	100 a
9	Ignite	22 fl oz/a		MIPOWE	H						
9	Ammonium Sulfate	4 qt/a		MIPOWE	H						
9	Ignite	22 fl oz/a		21 DAJ	I						
9	Ammonium Sulfate	4 qt/a		21 DAJ	I						
10	Valor XLT 3.5 oz					10 a	88 a	5 b	100 a	77 b	100 a
10	Valor	1.76 oz/a		PRE	A						
10	Classic	1.24 oz/a		PRE	A						
10	Ignite	22 oz/a		LAPOWE	J						
10	Ammonium sulfate	4 qt/a		LAPOWE	J						
10	Ignite	22 oz/a		21 DAJ	K						
10	Ammonium sulfate	4 qt/a		21 DAJ	K						
	LSD (P=.05)					7.6	16.5	3.1	0.6	10.1	10.3
	Standard Deviation					3.3	7.3	1.8	0.4	5.9	6.0
	CV					31.58	9.02	69.52	0.41	6.96	6.92
	Bartlett's X2					0.0	1.793	4.164	0.0	17.01	15.154
	P(Bartlett's X2)					.	0.408	0.761	.	0.009*	0.01*

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Pest Type		W Weed		W Weed	W Weed	W Weed
Pest Code		AMBTR		SETFA	AMBTR	CHEAL
Crop Code	GLXMA		GLXMA			
BBCH Scale	BSOY		BSOY			
Crop Name	Soybean		Soybean			
Rating Date	Jun/09/2008	Jun/09/2008	Jun/24/2008	Jun/24/2008	Jun/24/2008	Jun/24/2008
Rating Data Type	PHYTO	CONTROL	PHYTO	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Days After First/Last Applic.	34 12	34 12	49 0	49 0	49 0	49 0
Plant-Eval Interval	34 DP-1	34 DP-1	49 DP-1	49 DP-1	49 DP-1	49 DP-1
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6
Replicate F						1.000	0.368	0.074	1.000	0.530	2.174
Replicate Prob(F)						0.4444	0.7131	0.9292	0.3874	0.5977	0.1427
Treatment F						4.750	4.000	6.501	22467.668	82.303	78.780
Treatment Prob(F)						0.0878	0.1111	0.0005	0.0001	0.0001	0.0001

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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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	HIBTR	SETFA	AMBTR	CHEAL	HIBTR	SETFA	AMBTR
Crop Code							
BBCH Scale							
Crop Name							
Rating Date	Jun/24/2008	Jul/08/2008	Jul/08/2008	Jul/08/2008	Jul/08/2008	Aug/06/2008	Aug/06/2008
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Days After First/Last Applic.	49 0	63 0	63 0	63 0	63 0	92 22	92 22
Plant-Eval Interval	49 DP-1	63 DP-1	63 DP-1	63 DP-1	63 DP-1	92 DP-1	92 DP-1
Number of Decimals	0	0	0	0	0	0	0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	9	10	11	12	13
1	Untreated Check					0 b	0 b	0 c	0 b	0 b	0 b	0 c
2	Ignite	22 fl oz/a		22DASE	B	83 a	99 a	50 b	93 a	83 a	98 a	60 ab
2	Ammonium Sulfate	4 qt/a		22DASE	B							
3	Ignite	22 fl oz/a		22DASE	B	99 a	100 a	100 a	100 a	95 a	100 a	90 ab
3	Ammonium Sulfate	4 qt/a		22DASE	B							
3	Ignite	22 fl oz/a		21 DAB	C							
3	Ammonium Sulfate	4 qt/a		21 DAB	C							
4	Ignite	22 fl oz/a		MIPOWE	D	100 a	100 a	93 a	92 a	96 a	100 a	88 ab
4	Ammonium Sulfate	4 qt/a		MIPOWE	D							
5	Ignite	22 fl oz/a		MIPOWE	D	93 a	100 a	100 a	100 a	100 a	100 a	100 a
5	Ammonium Sulfate	4 qt/a		MIPOWE	D							
5	Ignite	22 fl oz/a		21 DAD	E							
5	Ammonium Sulfate	4 qt/a		21 DAD	E							
6	Ignite	22 fl oz/a		LAPOWE	F	67 a	100 a	77 a	83 a	92 a	100 a	57 b
6	Ammonium Sulfate	4 qt/a		LAPOWE	F							
7	Ignite	22 fl oz/a		LAPOWE	F	96 a	100 a	100 a	73 a	90 a	100 a	100 a
7	Ammonium Sulfate	4 qt/a		LAPOWE	F							
7	Ignite	22 fl oz/a		21 DAF	G							
7	Ammonium Sulfate	4 qt/a		21 DAF	G							
8	Valor XLT 3.5 oz			PREPLA	A	100 a	100 a	95 a	100 a	100 a	100 a	93 a
8	Valor	1.76 oz/a		PREPLA	A							
8	Classic	1.24 oz/a		PREPLA	A							
8	Ignite	22 fl oz/a		MIPOWE	H							
8	Ammonium Sulfate	4 qt/a		MIPOWE	H							
8	Ignite	22 fl oz/a		21 DAH	I							
8	Ammonium Sulfate	4 qt/a		21 DAH	I							
9	BAS 800 04H	1 oz/a		PREPLA	A	100 a	100 a	86 a	100 a	100 a	100 a	97 a
9	Ignite	22 fl oz/a		MIPOWE	H							
9	Ammonium Sulfate	4 qt/a		MIPOWE	H							
9	Ignite	22 fl oz/a		21 DAJ	I							
9	Ammonium Sulfate	4 qt/a		21 DAJ	I							
10	Valor XLT 3.5 oz					100 a	100 a	92 a	100 a	100 a	100 a	100 a
10	Valor	1.76 oz/a		PRE	A							
10	Classic	1.24 oz/a		PRE	A							
10	Ignite	22 oz/a		LAPOWE	J							
10	Ammonium sulfate	4 qt/a		LAPOWE	J							
10	Ignite	22 oz/a		21 DAJ	K							
10	Ammonium sulfate	4 qt/a		21 DAJ	K							
LSD (P=.05)						29.4	0.6	17.3	22.3	11.1	1.6	25.1
Standard Deviation						17.1	0.4	10.1	13.0	6.5	0.9	14.6
CV						20.43	0.41	12.7	15.44	7.58	1.02	18.66
Bartlett's X2						17.455	0.0	2.14	1.91	2.677	0.0	6.547
P(Bartlett's X2)						0.002*	.	0.83	0.591	0.613	.	0.257
Replicate F						0.703	1.000	1.340	1.538	2.024	1.000	1.060
Replicate Prob(F)						0.5080	0.3874	0.2866	0.2417	0.1612	0.3874	0.3670
Treatment F						10.043	22467.668	29.899	17.002	66.542	3587.667	14.212
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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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Pest Type	W Weed	W Weed
Pest Code	CHEAL	HIBTR
Crop Code		
BBCH Scale		
Crop Name		
Rating Date	Aug/06/2008	Aug/06/2008
Rating Data Type	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT
Days After First/Last Applic.	92 22	92 22
Plant-Eval Interval	92 DP-1	92 DP-1
Number of Decimals	0	0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Growth Stage	Appl Code	14	15
1	Untreated Check					0 b	0 b
2	Ignite	22 fl oz/a		22DASE	B	90 a	100 a
2	Ammonium Sulfate	4 qt/a		22DASE	B		
3	Ignite	22 fl oz/a		22DASE	B	100 a	100 a
3	Ammonium Sulfate	4 qt/a		22DASE	B		
3	Ignite	22 fl oz/a		21 DAB	C		
3	Ammonium Sulfate	4 qt/a		21 DAB	C		
4	Ignite	22 fl oz/a		MIPOWE	D	75 a	100 a
4	Ammonium Sulfate	4 qt/a		MIPOWE	D		
5	Ignite	22 fl oz/a		MIPOWE	D	100 a	100 a
5	Ammonium Sulfate	4 qt/a		MIPOWE	D		
5	Ignite	22 fl oz/a		21 DAD	E		
5	Ammonium Sulfate	4 qt/a		21 DAD	E		
6	Ignite	22 fl oz/a		LAPOWE	F	70 a	100 a
6	Ammonium Sulfate	4 qt/a		LAPOWE	F		
7	Ignite	22 fl oz/a		LAPOWE	F	88 a	100 a
7	Ammonium Sulfate	4 qt/a		LAPOWE	F		
7	Ignite	22 fl oz/a		21 DAF	G		
7	Ammonium Sulfate	4 qt/a		21 DAF	G		
8	Valor XLT 3.5 oz			PREPLA	A	100 a	100 a
8	Valor	1.76 oz/a		PREPLA	A		
8	Classic	1.24 oz/a		PREPLA	A		
8	Ignite	22 fl oz/a		MIPOWE	H		
8	Ammonium Sulfate	4 qt/a		MIPOWE	H		
8	Ignite	22 fl oz/a		21 DAH	I		
8	Ammonium Sulfate	4 qt/a		21 DAH	I		
9	BAS 800 04H	1 oz/a		PREPLA	A	100 a	100 a
9	Ignite	22 fl oz/a		MIPOWE	H		
9	Ammonium Sulfate	4 qt/a		MIPOWE	H		
9	Ignite	22 fl oz/a		21 DAJ	I		
9	Ammonium Sulfate	4 qt/a		21 DAJ	I		
10	Valor XLT 3.5 oz					100 a	100 a
10	Valor	1.76 oz/a		PRE	A		
10	Classic	1.24 oz/a		PRE	A		
10	Ignite	22 oz/a		LAPOWE	J		
10	Ammonium sulfate	4 qt/a		LAPOWE	J		
10	Ignite	22 oz/a		21 DAJ	K		
10	Ammonium sulfate	4 qt/a		21 DAJ	K		
LSD (P=.05)						19.4	0.0
Standard Deviation						11.3	0.0
CV						13.71	0.0
Bartlett's X2						2.46	0.0
P(Bartlett's X2)						0.483	.
Replicate F						2.634	0.000
Replicate Prob(F)						0.0992	1.0000
Treatment F						22.588	0.000
Treatment Prob(F)						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.