

Timing and Rate of Ignite on Liberty Link Soybean.

Trial ID: 10-10C-ME100

Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 06-07-10

Objectives: Determine the influence of application rate, application timing, application frequency, and tank-mixtures on weed control with Ignite.

Crop 1: GLXMA Soybean Variety: Enos Description: LL
 Planting Method: SEEDS Planting Date: 06-07-10
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: SETFA Setaria faberi Herrm. foxtail, giant
 Pest 2 Type: W Code: CYPES Cyperus esculentus L. nutsedge, yellow
 Pest 3 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common
 Pest 4 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. morningglory, ivyleaf
 Pest 5 Type: W Code: ABUTH Abutilon theophrasti Medicus velvetleaf

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 30 FT Tillage Type: REDUCED-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2009

Field Prep./Maintenance: N 0 LB/A, P2O5 0 LB/A, K2O 100 LB/A

% OM: 1.8 Texture: SILT LOAM
 pH: 6.9 Soil Name: PIERRON
 CEC: 9 Fert. Level: P1: 100 LB/A, K: 322 LB/A

	Application Description				
	A	B	C	D	E
Application Date:	06-28-10	07-05-10	07-12-10	07-19-10	07-02-10
Time of Day:	8:15	7:50	9:30	12:00	7:15
Application Method:	Spray	Spray	Spray	Spray	Spray
Application Timing:	6-8"W	7DA-A	14DA-A	21DA-A	12"W
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	JW	NVH	NVH	NVH	NVH
Air Temperature, Unit:	78 F	76 F	74 F	82 F	68 F
% Relative Humidity:	92	92	92	70	92
Wind Velocity, Unit:	5 MPH	3 MPH	1 MPH	1 MPH	2 MPH
Wind Direction:	NW	S	S	W	SE
Dew Presence (Y/N):	Y	N	Y	N	Y
Soil Moisture:	ABONOR	NORMAL	ABONOR	NORMAL	NORMAL
% Cloud Cover:	60	30	30	20	0

	06-28-10	07-05-10	07-12-10	07-19-10	07-02-10
Crop stage at application:	V3	V4-V5	V5-V6	R1	V4
Height Min, Max (inch):	6 7	10 12	18 22	26 30	8 9

	Pest Stage At Each Application				
	A	B	C	D	E
Application Date:	06-28-10	07-05-10	07-12-10	07-19-10	07-02-10
Weed Code:	SETFA	SETFA	SETFA	SETFA	SETFA
Stage Majority (leaves):	8	6	6	6	10
Stage Min, Max:	4 10	1 10	1 10	4 12	2 12
Height Majority:	6 IN	10 IN	10 IN	8 IN	12 IN
Height Min, Max:	2 8	2 12	2 12	4 10	2 16
Density, Unit:	6 FT2	6 FT2	6 FT2	0.1 FT2	1 FT2
Weed Code:	CYPES	CYPES	CYPES	CYPES	CYPES
Stage Majority (leaves):	8	8	7	8	9
Stage Min, Max:	2 10	2 8	2 10	4 10	2 12
Height Majority:	8 IN	8 IN	10 IN	12 IN	12 IN
Height Min, Max:	1 12	2 16	2 14	3 16	1 14
Density, Unit:	2 FT2	2 FT2	0.5 FT2	0.5 FT2	2 FT2
Weed Code:	AMATA	AMATA	AMATA	AMATA	AMATA
Stage Majority (leaves):	14	15	10	20	18
Stage Min, Max:	4 60	3 40	4 30	8 35	4 65
Height Majority:	8 IN	6 IN	8 IN	13 IN	13 IN
Height Min, Max:	1 21	2 10	3 18	4 26	1 26
Density, Unit:	10 FT2	6 FT2	4 FT2	4 FT2	8 FT2
Weed Code:	IPOHE	IPOHE	IPOHE	IPOHE	IPOHE
Stage Majority (leaves):	10	6	8	14	14
Stage Min, Max:	2 18	1 10	2 12	4 20	2 24
Height Majority:	4 IN	8 IN	10 IN	12 IN	8 IN
Height Min, Max:	1 6	3 12	4 14	6 20	4 10
Density, Unit:	0.5 FT2	0.5 FT2	0.5 FT2	0.5 FT2	0.5 FT2
Weed Code:	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
Stage Majority (leaves):	6	3	4	6	8
Stage Min, Max:	2 6	COTY 5	2 7	4 10	2 10
Height Majority:	4 IN	6 IN	8 IN	10 IN	10 IN
Height Min, Max:	0.5 4	1 8	4 12	8 18	1 14
Density, Unit:	0.01 FT2	0.2 FT2	0.01 FT2	0.01 FT2	0.01 FT2

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Application Equipment

Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI	30 PSI	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA

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Pest Code
Crop Code
Rating Date
Rating Data Type
Rating Unit
Rating Timing
Trt-Eval Interval

GLXMA 10-21-10 Yield bu/A
GLXMA 07-02-10 Injury Percent 0 DA-E -3 DA-B
GLXMA 07-12-10 Injury Percent 0 DA-C
GLXMA 07-19-10 Injury Percent 0 DA-D
GLXMA 08-02-10 Injury Percent 35 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	NONTREATED									0 d	0 f	0 c	0 b	0 a
2	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	48 abc	3 e	0 c	0 b	0 a
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A					
3	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	6-8"W	A	47 abc	3 e	0 c	0 b	0 a
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A					
4	IGNITE 280	2.34	EC	0.66	lb ai/a	36	fl oz/a	6-8"W	A	49 ab	11 d	0 c	0 b	0 a
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A					
5	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	12"W	E	41 c		0 c	0 b	0 a
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	12"W	E					
6	IGNITE 280	2.34	EC	0.66	lb ai/a	36	fl oz/a	12"W	E	49 ab		0 c	0 b	0 a
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	12"W	E					
7	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	52 a	3 e	0 c	0 b	0 a
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A					
7	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	7DA-A	B					
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DA-A	B					
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	52 a	4 e	0 c	0 b	0 a
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A					
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	14DA-A	C					
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DA-A	C					
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	44 abc	3 e	0 c	0 b	0 a
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A					
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	21DA-A	D					
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-A	D					
10	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	49 ab	14 c	0 c	0 b	0 a
10	FLEXSTAR	1.88	EC	0.235	lb ai/a	1	pt/a	6-8"W	A					
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A					
11	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	50 a	15 c	0 c	0 b	0 a
11	SELECT MAX	0.97	EC	0.0606	lb ai/a	8	fl oz/a	6-8"W	A					
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A					
12	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	42 bc	27 a	9 a	5 a	0 a
12	COBRA	2	EC	0.125	lb ai/a	8	fl oz/a	6-8"W	A					
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A					
13	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	45 abc	17 b	1 b	0 b	0 a
13	FLEXSTAR	1.88	EC	0.353	lb ai/a	24	fl oz/a	6-8"W	A					
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A					
LSD (P=.05)										7.6	1.8	1.0	1.4	0.0
Replicate F										1.215	0.322	0.519	1.000	0.000
Replicate Prob(F)										0.3142	0.7286	0.6019	0.3827	1.0000
Treatment F										26.813	187.861	49.778	7.000	0.000
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	1.0000

Means followed by same letter do not significantly differ (P=.05, LSD)

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Pest Code Crop Code Rating Date Rating Data Type Rating Unit Rating Timing Trt-Eval Interval									SETFA	SETFA	SETFA	SETFA	CYPES	CYPES	CYPES	CYPES	
									07-02-10 Control Percent 0 DA-E -3 DA-B	07-12-10 Control Percent 0 DA-C	07-19-10 Control Percent 0 DA-D	08-02-10 Control Percent 35 DA-A	07-02-10 Control Percent 0 DA-E -3 DA-B	07-12-10 Control Percent 0 DA-C	07-19-10 Control Percent 0 DA-D	08-02-10 Control Percent 35 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code								
1	NONTREATED									0 f	0 f	0 d	0 e	0 c	0 h	0 i	0 j
2	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	72 cd	85 cd	96 a	94 abc	27 b	53 bcd	48 def	53 def
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
3	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	6-8"W	A	73 c	87 bcd	97 a	99 a	30 ab	58 abc	58 bcd	62 bc
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
4	IGNITE 280	2.34	EC	0.66	lb ai/a	36	fl oz/a	6-8"W	A	75 bc	92 abc	97 a	92 bc	30 ab	67 a	65 ab	67 ab
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
5	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	12"W	E		50 e	73 c	75 d		25 g	25 h	33 i
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	12"W	E								
6	IGNITE 280	2.34	EC	0.66	lb ai/a	36	fl oz/a	12"W	E		58 e	82 b	88 c		37 f	40 efg	50 efg
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	12"W	E								
7	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	68 de	93 abc	99 a	99 a	27 b	67 a	77 a	70 a
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
7	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	7DA-A	B								
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DA-A	B								
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	68 de	88 bcd	99 a	95 abc	28 ab	55 bcd	62 bc	57 cde
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	14DA-A	C								
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DA-A	C								
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	67 e	82 d	94 a	92 bc	27 b	52 b-e	30 gh	38 hi
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	21DA-A	D								
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-A	D								
10	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	75 bc	88 bcd	93 a	94 abc	30 ab	42 ef	50 cde	45 gh
10	FLEXSTAR	1.88	EC	0.235	lb ai/a	1	pt/a	6-8"W	A								
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
11	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	82 a	94 ab	99 a	96 ab	32 a	47 def	37 fgh	48 fg
11	SELECT MAX	0.97	EC	0.0606	lb ai/a	8	fl oz/a	6-8"W	A								
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
12	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	80 a	97 a	99 a	99 a	30 ab	60 ab	57 bcd	58 cd
12	COBRA	2	EC	0.125	lb ai/a	8	fl oz/a	6-8"W	A								
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
13	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	78 ab	92 abc	99 a	99 a	32 a	48 cde	47 def	47 fg
13	FLEXSTAR	1.88	EC	0.353	lb ai/a	24	fl oz/a	6-8"W	A								
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
LSD (P=.05)									4.2	8.6	6.6	7.0	3.7	11.4	12.8	7.2	
Replicate F									3.924	7.622	7.928	5.820	0.645	1.183	3.213	0.244	
Replicate Prob(F)									0.0365	0.0027	0.0023	0.0087	0.5352	0.3236	0.0580	0.7853	
Treatment F									260.405	85.344	143.802	124.256	51.613	22.120	20.537	52.453	
Treatment Prob(F)									0.0001	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, LSD)

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Pest Code Crop Code Rating Date Rating Data Type Rating Unit Rating Timing Trt-Eval Interval										AMATA	AMATA	AMATA	AMATA	IPOHE	IPOHE	IPOHE	IPOHE
										07-02-10 Control Percent 0 DA-E -3 DA-B	07-12-10 Control Percent 0 DA-C	07-19-10 Control Percent 0 DA-D	08-02-10 Control Percent 35 DA-A	07-02-10 Control Percent 0 DA-B	07-12-10 Control Percent 0 DA-C	07-19-10 Control Percent 0 DA-D	08-02-10 Control Percent 35 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code								
1	NONTREATED									0 f	0 e	0 g	0 d	0 f	0 h	0 e	0 e
2	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	76 d	70 c	70 e	63 b	66 e	67 cde	80 bc	75 cd
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
3	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	6-8"W	A	78 d	83 a	80 cd	67 b	72 d	73 bcd	77 bcd	82 bc
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
4	IGNITE 280	2.34	EC	0.66	lb ai/a	36	fl oz/a	6-8"W	A	83 c	85 a	90 ab	88 a	75 cd	72 b-e	80 bc	87 ab
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
5	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	12"W	E		47 d	38 f	47 c		50 g	67 cd	65 d
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	12"W	E								
6	IGNITE 280	2.34	EC	0.66	lb ai/a	36	fl oz/a	12"W	E		55 d	73 de	87 a		55 fg	75 bcd	82 bc
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	12"W	E								
7	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	71 e	88 a	98 a	97 a	65 e	83 a	94 a	96 a
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
7	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	7DA-A	B								
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DA-A	B								
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	75 de	68 c	80 cd	90 a	65 e	67 cde	81 ab	93 a
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	14DA-A	C								
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DA-A	C								
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	71 e	72 bc	78 cde	88 a	62 e	75 abc	68 bcd	77 bc
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	21DA-A	D								
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-A	D								
10	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	89 b	82 ab	86 bc	93 a	81 b	73 bcd	73 bcd	77 bc
10	FLEXSTAR	1.88	EC	0.235	lb ai/a	1	pt/a	6-8"W	A								
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
11	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	73 de	78 abc	78 cde	73 b	72 d	63 ef	68 bcd	72 cd
11	SELECT MAX	0.97	EC	0.0606	lb ai/a	8	fl oz/a	6-8"W	A								
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
12	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	94 a	89 a	93 ab	93 a	80 bc	65 de	63 d	75 cd
12	COBRA	2	EC	0.125	lb ai/a	8	fl oz/a	6-8"W	A								
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
13	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	94 a	85 a	91 ab	95 a	94 a	78 ab	73 bcd	82 bc
13	FLEXSTAR	1.88	EC	0.353	lb ai/a	24	fl oz/a	6-8"W	A								
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A								
LSD (P=.05)										5.0	10.8	8.9	12.7	5.6	9.9	13.9	11.3
Replicate F										0.321	0.106	0.159	1.056	1.249	0.018	0.216	2.135
Replicate Prob(F)										0.7291	0.8994	0.8542	0.3635	0.3083	0.9817	0.8073	0.1401
Treatment F										231.134	43.627	76.410	38.861	156.476	38.317	21.719	37.442
Treatment Prob(F)										0.0001	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, LSD)

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Trial ID: 10-10C-ME100

Location: Belleville Res. Center

Pest Code	ABUTH	ABUTH	ABUTH	ABUTH
Crop Code				
Rating Date	07-02-10	07-12-10	07-19-10	08-02-10
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing	0 DA-E			
Trt-Eval Interval	-3 DA-B	0 DA-C	0 DA-D	35 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	NONTREATED									0 d	0 g	0 g	0 f
2	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	71 c	63 ef	78 b-e	90 bc
2	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A				
3	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	6-8"W	A	73 c	68 def	85 a-d	91 b
3	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A				
4	IGNITE 280	2.34	EC	0.66	lb ai/a	36	fl oz/a	6-8"W	A	83 b	90 abc	92 ab	99 a
4	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A				
5	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	12"W	E		62 f	57 f	67 e
5	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	12"W	E				
6	IGNITE 280	2.34	EC	0.66	lb ai/a	36	fl oz/a	12"W	E		70 de	68 def	83 cd
6	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	12"W	E				
7	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	72 c	95 ab	99 a	99 a
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A				
7	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	7DA-A	B				
7	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	7DA-A	B				
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	73 c	85 c	99 a	99 a
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A				
8	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	14DA-A	C				
8	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	14DA-A	C				
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	72 c	85 c	63 ef	80 d
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A				
9	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	21DA-A	D				
9	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	21DA-A	D				
10	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	95 a	88 bc	88 abc	92 ab
10	FLEXSTAR	1.88	EC	0.235	lb ai/a	1	pt/a	6-8"W	A				
10	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A				
11	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	82 b	73 d	72 c-f	78 d
11	SELECT MAX	0.97	EC	0.0606	lb ai/a	8	fl oz/a	6-8"W	A				
11	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A				
12	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	95 a	97 a	85 a-d	96 ab
12	COBRA	2	EC	0.125	lb ai/a	8	fl oz/a	6-8"W	A				
12	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A				
13	IGNITE 280	2.34	EC	0.402	lb ai/a	22	fl oz/a	6-8"W	A	97 a	92 abc	99 a	99 a
13	FLEXSTAR	1.88	EC	0.353	lb ai/a	24	fl oz/a	6-8"W	A				
13	N-PAK AMS	100	SL	2.5	% v/v	2.5	% v/v	6-8"W	A				
LSD (P=.05)										7.0	7.8	17.5	7.3
Replicate F										1.352	0.051	0.938	0.440
Replicate Prob(F)										0.2815	0.9500	0.4051	0.6492
Treatment F										124.464	91.096	19.738	113.104
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

Trial Comments

1. Protocol: Bayer (MRB).
2. Ratings: CI/WC prior to B, C, D, and E timings and at 35 DA-A. Rate all previously treated plots every time.
3. Yield.
4. Take pictures at 14 and 35 DA-A.
5. Estimate % ground cover for each weed species at application and at first evaluation.
6. Percent ground cover for SETFA, CYPES, AMATA, IPOHE, and ABUTH at the 6-8"W (A) application was 1, 5, 35, 2, and 1, respectively.

Timing and Rate of Ignite on Liberty Link Soybean.

Trial ID: 10-10C-ME100

Location: Belleville Res. Center

Percent ground cover for SETFA, CYPES, AMATA, IPOHE, and ABUTH at the 7DA-A (B) application was 7, 5, 40, 4, and 1, respectively.

Percent ground cover for SETFA, CYPES, AMATA, IPOHE, and ABUTH at the 14DA-A (C) application was 7, 10, 40, 10, and 1, respectively.

Percent ground cover for SETFA, CYPES, AMATA, IPOHE, and ABUTH at the 21DA-A (D) application was 3, 10, 50, 3, and 1, respectively.

Percent ground cover for SETFA, CYPES, AMATA, IPOHE, and ABUTH at the 12"W (E) application was 1, 30, 45, 7, and 1, respectively.

Percent ground cover for SETFA, CYPES, AMATA, IPOHE, and ABUTH at the first evaluation (7-2-10) was 7, 5, 40, 4, and 1, respectively.

7. Harvested 10-21-10, (2) 30 inch rows by 27 ft.