

Cooperative POST Soybean Glyphosate Tank-Mix - Clinton.

Trial ID: 09-Clinton-TM Location: Huey, IL

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Huey IL 62252 USA
 Trial Status: FINAL Initiation Date: 06-17-09

Objectives: Identify any positive or negative interactions when tank-mixing other broadleaf herbicides with glyphosate to achieve consistent and broad-spectrum weed control.

Crop 1: GLXMA Soybean Variety: RR
 Planting Method: SEEDED Planting Date: 06-12-09
 LB/A Depth, Unit: 1.5 IN

Row Spacing, Unit: 15 IN

Pest 1 Type: W Code: MOLVE Mollugo verticillata L. carpetweed
 Pest 2 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common
 Pest Description: PPO-resistant waterhemp

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

Texture: SILT LOAM

	Application Description							
	A		B		C		D	
Application Date:	06-17-09	07-03-09	07-08-09	07-08-09	07-08-09	07-08-09	07-08-09	07-08-09
Time of Day:	5:15 PM	11:00 AM	9:00 AM	10:00 AM	10:00 AM	10:00 AM	10:00 AM	10:00 AM
Application Method:	Spray	Spray	Spray	Spray	Spray	Spray	Spray	Spray
Application Timing:	PRE	MPOST	LPOST	4"W	4"W	4"W	4"W	4"W
Application Placement:	BROSIOI	BROSIOI	BROSIOI	BROSIOI	BROSIOI	BROSIOI	BROSIOI	BROSIOI
Applied By:	DP	DP	DP	DP	DP	DP	DP	DP
Air Temperature, Unit:	93 F	81 F	81 F	81 F	81 F	81 F	81 F	81 F
% Relative Humidity:	72	43	42	42	42	42	42	42
Wind Velocity, Unit:	6 MPH	4 MPH	1 MPH	1 MPH	1 MPH	1 MPH	1 MPH	1 MPH
Wind Direction:	N	NW	N	N	N	N	N	N
Dew Presence (Y/N):	N	N	Y	N	N	N	N	N
Soil Temperature, Unit:	80 F	78 F	80 F	80 F	80 F	80 F	80 F	80 F
Soil Moisture:	ABONOR	NORMAL	ABONOR	ABONOR	ABONOR	ABONOR	ABONOR	ABONOR
% Cloud Cover:	10	20	0	0	0	0	0	0

	06-17-09	07-03-09	07-08-09	07-08-09
Crop stage at application:	VE	V3	V4	V4
Height Min, Max (inch):	0 0.25	6 8	8 10	8 10

	Pest Stage At Each Application							
	06-17-09		07-03-09		07-08-09		07-08-09	
Application Date:	06-17-09	07-03-09	07-08-09	07-08-09	07-08-09	07-08-09	07-08-09	07-08-09
Weed Code:	MOLVE	MOLVE	MOLVE	MOLVE	MOLVE	MOLVE	MOLVE	MOLVE
Stage Majority (leaves):	NA	8	10	6	6	10	10	10
Stage Min, Max:		2 12	4 14	2 10	2 10	2 10	2 10	2 10
Height Majority:		0.75 IN DIA	1 IN DIA	0.75 IN DIA	0.75 IN DIA	0.75 IN DIA	0.75 IN DIA	0.75 IN DIA
Height Min, Max:		0.25 1.25	0.5 2	0.25 1	0.25 1	0.25 1	0.25 1	0.25 1
Density, Unit:		10 FT2	10 FT2	2 FT2	2 FT2	2 FT2	2 FT2	2 FT2
Weed Code:	AMATA	AMATA	AMATA	AMATA	AMATA	AMATA	AMATA	AMATA
Stage Majority (leaves):	NA	8	14	8	8	14	14	14
Stage Min, Max:		4 12	6 22	2 10	2 10	2 10	2 10	2 10
Height Majority:		4 IN	9 IN	4 IN	4 IN	4 IN	4 IN	4 IN
Height Min, Max:		2 10	4 18	2 6	2 6	2 6	2 6	2 6
Density, Unit:		1 FT2	1 FT2	0.5 FT2	0.5 FT2	0.5 FT2	0.5 FT2	0.5 FT2

Application Equipment

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

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Trial ID: 09-Clinton-TM

Location: Huey, IL

Pest Code										GLXMA			AMATA-HR		AMATA-HR		AMATA-HR		AMATA-HR	
Crop Code										Injury	Injury	Injury	Control	Control	Control	07-03-09				
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent	Control				
Rating Data Type																Percent				
Rating Unit																16 DA-A				
Rating Timing																0 DA-B				
Trt-Eval Interval										7 DAT	14 DAT	28 DAT	14 DAT	28 DAT	56 DAT					
Trt	Treatment	Form	Form	Rate	Rate	Other	Other	Growth	Appl											
No.	Name	Conc	Type	Unit	Unit	Rate	Rate	Stage	Code											
1	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			0 j	0 h	0 d	96 b-f	98 ab	98 ab					
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
2	ROUNDUP P-MAX	4.5	SL	1.13 lb ae/a	32 fl oz/a	MPOST	B			0 j	0 h	0 d	98 a-d	99 a	99 a					
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
3	ROUNDUP P-MAX	4.5	SL	1.55 lb ae/a	44 fl oz/a	MPOST	B			0 j	0 h	0 d	99 ab	99 a	99 a					
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
4	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			0 j	0 h	0 d	99 a	99 a	99 a					
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
4	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	LPOST	C													
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v	LPOST	C													
5	ROUNDUP P-MAX	4.5	SL	1.13 lb ae/a	32 fl oz/a	MPOST	B			0 j	0 h	0 d	99 a	99 a	99 a					
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
5	ROUNDUP P-MAX	4.5	SL	1.13 lb ae/a	32 fl oz/a	LPOST	C													
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v	LPOST	C													
6	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			25 c	10 c	0 d	97 a-f	99 ab	99 a					
6	COBRA	2	EC	0.094 lb ai/a	6 fl oz/a	MPOST	B													
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
7	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			36 a	15 b	4 b	96 c-g	98 abc	98 ab					
7	COBRA	2	EC	0.188 lb ai/a	12 fl oz/a	MPOST	B													
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
8	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			14 ef	5 ef	0 d	91 h	98 bc	98 ab					
8	FLEXSTAR	1.88	EC	0.147 lb ai/a	10 fl oz/a	MPOST	B													
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
9	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			11 fg	5 ef	0 d	92 h	97 c	98 b					
9	FLEXSTAR	1.88	EC	0.294 lb ai/a	20 fl oz/a	MPOST	B													
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
10	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			0 j	0 h	0 d	96 b-f	99 ab	98 ab					
10	FIRSTRATE	84	WG	0.0158 lb ai/a	0.3 oz/a	MPOST	B													
10	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
11	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			5 i	2 gh	0 d	95 fg	98 bc	98 ab					
11	RESOURCE	0.86	EC	0.027 lb ai/a	4 fl oz/a	MPOST	B													
11	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
12	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			13 ef	4 fg	0 d	96 d-g	98 bc	98 ab					
12	RESOURCE	0.86	EC	0.054 lb ai/a	8 fl oz/a	MPOST	B													
12	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
13	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			6 hi	3 fg	0 d	96 c-g	99 ab	99 a					
13	CADET	0.91	EC	0.00427 lb ai/a	0.6 fl oz/a	MPOST	B													
13	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
14	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			6 hi	3 fg	0 d	96 b-f	99 ab	99 a					
14	PURSUIT	2	SL	0.0625 lb ai/a	4 fl oz/a	MPOST	B													
14	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
15	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	B			0 j	0 h	0 d	94 gh	99 ab	99 a					
15	SYNCHRONY XP	28.4	WG	0.375 oz/a		MPOST	B													
15	CLASSIC	25	WG	0.00504 lb ai/a		MPOST	B													
15	HARMONY SG	50	SG	0.00162 lb ai/a		MPOST	B													
15	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	B													
16	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	LPOST	C			0 j	0 h	0 d	98 a-d	99 a	99 a					
16	N-PAK AMS	100	SL	5 % v/v	5 % v/v	LPOST	C													
17	ROUNDUP P-MAX	4.5	SL	1.13 lb ae/a	32 fl oz/a	LPOST	C			0 j	0 h	0 d	98 a-d	99 a	99 a					
17	N-PAK AMS	100	SL	5 % v/v	5 % v/v	LPOST	C													
18	ROUNDUP P-MAX	4.5	SL	1.55 lb ae/a	44 fl oz/a	LPOST	C			0 j	0 h	0 d	98 abc	99 a	99 a					
18	N-PAK AMS	100	SL	5 % v/v	5 % v/v	LPOST	C													

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										GLXMA			AMATA-HR	AMATA-HR	AMATA-HR	AMATA-HR	
										Injury	Injury	Injury	Control	Control	Control	07-03-09	
										Percent	Percent	Percent	Percent	Percent	Percent	Control	
										7 DAT	14 DAT	28 DAT	14 DAT	28 DAT	56 DAT	16 DA-A	
										7 DAT	14 DAT	28 DAT	14 DAT	28 DAT	56 DAT	0 DA-B	
Trt	Treatment	Form	Form	Rate	Rate	Other	Other	Growth	Appl								
No.	Name	Conc	Type	Unit	Unit	Rate	Rate	Stage	Code								
19	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	29	b	18	a	3	c	96	b-f
19	COBRA	2	EC	0.094	lb ai/a	6	fl oz/a	LPOST	C							99	a
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C							99	a
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	32	b	19	a	6	a	96	c-g
20	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	LPOST	C							98	ab
20	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C							99	a
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	19	d	8	cd	0	d	92	h
21	FLEXSTAR	1.88	EC	0.147	lb ai/a	10	fl oz/a	LPOST	C							99	a
21	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C							99	a
22	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	22	d	7	de	0	d	96	b-f
22	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	LPOST	C							99	ab
22	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C							99	a
23	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	0	j	0	h	0	d	98	a-d
23	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	LPOST	C							99	a
23	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C							99	a
24	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	7	hi	4	fg	0	d	95	efg
24	RESOURCE	0.86	EC	0.027	lb ai/a	4	fl oz/a	LPOST	C							99	ab
24	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C							99	a
25	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	14	e	7	de	0	d	96	d-g
25	RESOURCE	0.86	EC	0.054	lb ai/a	8	fl oz/a	LPOST	C							99	a
25	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C							99	a
26	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	11	fg	3	fg	0	d	95	d-g
26	CADET	0.91	EC	0.00427	lb ai/a	0.6	fl oz/a	LPOST	C							99	a
26	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C							99	a
27	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	9	gh	0	h	0	d	97	a-f
27	PURSUIT	2	SL	0.0625	lb ai/a	4	fl oz/a	LPOST	C							99	ab
27	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C							99	a
28	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	0	j	0	h	0	d	97	a-e
28	SYNCHRONY XP	28.4	WG			0.375	oz/a	LPOST	C							98	ab
28	CLASSIC	25	WG	0.00504	lb ai/a			LPOST	C							99	a
28	HARMONY SG	50	SG	0.00162	lb ai/a			LPOST	C								
28	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C								
29	SEQUENCE	5.25	SL	2.3	lb ai/a	3.5	pt/a	PRE	A	0	j	0	h	0	d	99	a
29	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4"W	D							99	a
29	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4"W	D							99	a
30	NONTREATED									0	j	0	h	0	d	0	i
																0	c
																0	b
LSD (P=.05)										2.7	2.3	0.9	2.5	1.3	1.0	2.9	
Replicate F										3.132	0.459	2.362	1.245	3.222	2.576	1.000	
Replicate Prob(F)										0.0511	0.6342	0.1033	0.2955	0.0471	0.0848	0.5000	
Treatment F										128.779	46.811	18.980	392.345	1492.535	2434.141	19740.252	
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, LSD)

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Location: Huey, IL

Pest Code Crop Code Rating Date Rating Data Type Rating Unit Rating Timing Trt-Eval Interval										MOLVE	MOLVE	MOLVE	MOLVE
										Control Percent	Control Percent	Control Percent	07-03-09 Control Percent 16 DA-A 0 DA-B
										14 DAT	28 DAT	56 DAT	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	98	b-e	99	a
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
2	ROUNDUP P-MAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	MPOST	B	98	b-e	99	a
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
3	ROUNDUP P-MAX	4.5	SL	1.55	lb ae/a	44	fl oz/a	MPOST	B	98	a-d	99	a
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	99	ab	99	a
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C				
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
5	ROUNDUP P-MAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	MPOST	B	99	a	99	a
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
5	ROUNDUP P-MAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	LPOST	C				
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	98	b-e	98	abc
6	COBRA	2	EC	0.094	lb ai/a	6	fl oz/a	MPOST	B				
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	96	fg	99	ab
7	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	MPOST	B				
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	97	d-g	99	a
8	FLEXSTAR	1.88	EC	0.147	lb ai/a	10	fl oz/a	MPOST	B				
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	96	fg	98	abc
9	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	MPOST	B				
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	96	g	99	ab
10	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	MPOST	B				
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	96	fg	98	c
11	RESOURCE	0.86	EC	0.027	lb ai/a	4	fl oz/a	MPOST	B				
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	98	b-e	98	bc
12	RESOURCE	0.86	EC	0.054	lb ai/a	8	fl oz/a	MPOST	B				
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
13	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	96	g	99	a
13	CADET	0.91	EC	0.00427	lb ai/a	0.6	fl oz/a	MPOST	B				
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
14	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	96	g	98	bc
14	PURSUIT	2	SL	0.0625	lb ai/a	4	fl oz/a	MPOST	B				
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
15	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	B	95	h	98	abc
15	SYNCHRONY XP	28.4	WG			0.375	oz/a	MPOST	B				
15	CLASSIC	25	WG	0.00504	lb ai/a			MPOST	B				
15	HARMONY SG	50	SG	0.00162	lb ai/a			MPOST	B				
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	B				
16	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	98	b-e	99	ab
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
17	ROUNDUP P-MAX	4.5	SL	1.13	lb ae/a	32	fl oz/a	LPOST	C	98	abc	98	abc
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
18	ROUNDUP P-MAX	4.5	SL	1.55	lb ae/a	44	fl oz/a	LPOST	C	98	abc	99	a
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				

Cooperative POST Soybean Glyphosate Tank-Mix - Clinton.

Trial ID: 09-Clinton-TM Location: Huey, IL

Pest Code		MOLVE	MOLVE	MOLVE	MOLVE
Crop Code					
Rating Date					07-03-09
Rating Data Type		Control	Control	Control	Control
Rating Unit		Percent	Percent	Percent	Percent
Rating Timing					16 DA-A
Trt-Eval Interval		14 DAT	28 DAT	56 DAT	0 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
19	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	98 a-d	99 a	99 a	
19	COBRA	2	EC	0.094	lb ai/a	6	fl oz/a	LPOST	C				
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	97 d-g	99 a	99 a	
20	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	LPOST	C				
20	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	97 d-g	99 a	99 a	
21	FLEXSTAR	1.88	EC	0.147	lb ai/a	10	fl oz/a	LPOST	C				
21	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
22	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	98 abc	99 a	99 a	
22	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	LPOST	C				
22	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
23	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	97 c-f	99 a	99 a	
23	FIRSTRATE	84	WG	0.0158	lb ai/a	0.3	oz/a	LPOST	C				
23	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
24	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	97 efg	99 ab	99 a	
24	RESOURCE	0.86	EC	0.027	lb ai/a	4	fl oz/a	LPOST	C				
24	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
25	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	97 d-g	99 ab	99 a	
25	RESOURCE	0.86	EC	0.054	lb ai/a	8	fl oz/a	LPOST	C				
25	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
26	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	98 b-e	99 a	99 a	
26	CADET	0.91	EC	0.00427	lb ai/a	0.6	fl oz/a	LPOST	C				
26	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
27	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	98 abc	99 a	99 a	
27	PURSUIT	2	SL	0.0625	lb ai/a	4	fl oz/a	LPOST	C				
27	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
28	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	C	97 efg	99 a	99 a	
28	SYNCHRONY XP	28.4	WG			0.375	oz/a	LPOST	C				
28	CLASSIC	25	WG	0.00504	lb ai/a			LPOST	C				
28	HARMONY SG	50	SG	0.00162	lb ai/a			LPOST	C				
28	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	C				
29	SEQUENCE	5.25	SL	2.3	lb ai/a	3.5	pt/a	PRE	A	99 ab	99 a	99 a	91 a
29	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	4"W	D				
29	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4"W	D				
30	NONTREATED									0 i	0 d	0 b	0 b
LSD (P=.05)										1.3	1.0	0.0	3.8
Replicate F										1.873	1.831	0.000	1.000
Replicate Prob(F)										0.1629	0.1695	1.0000	0.5000
Treatment F										1442.248	2818.283	0.000	10725.144
Treatment Prob(F)										0.0001	0.0001	1.0000	0.0001

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

Trial Comments

1. Protocol: SIU/UIUC/WIU/ISA.

2. Ratings: Visual crop response estimates at 7, 14, and 28 DAT.

Visual estimates of control, by species, at 14 and 28 DAT (rate all plots at 28 days after the LPOST timing);

late-season rating of all plots at 56 DAT or at crop harvest.

Evaluate the PRE/POST treatment prior to the POST application and again based on DAT from the respective POST timing in that treatment.

3. MPOST = 3-5"W; LPOST = 6-10"W.

Cooperative POST Soybean Glyphosate Tank-Mix - Clinton.

Trial ID: 09-Clinton-TM

Location: Huey, IL

4. Take weed counts in nontreated at the "B" application timing (No./0.5 m²).
5. Yield.
6. 7/3- Weed counts in nontreated. Plot 130: 42 Molve 5 Amata, Plot 202: 48 Molve 5 Amata, Plot 323: 64 Molve 6 Amata
7. Crop was canopied prior to the 28 dat rating.
8. AMATA-HR = Herbicide-resistant waterhemp (PPO).
9. Not harvested.