

No-Till Burndown Tank-Mixtures for Soybean.

Trial ID: 09-YRC-BDtankmix Location: Young Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Murphysboro IL 62966 USA
 Trial Status: FINAL Initiation Date: 05-04-09

Objectives: Evaluate the effectiveness of various tank-mix partners with Roundup PowerMax, Ignite, and Gramoxone Inteon in no-till soybean.

Crop 1: GLXMA Soybean Variety: AG 4404 Description: RR/STS
 Planting Method: SEEDED
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: ERICA Conyza canadensis (L.) Crong. horseweed
 Pest Description: glyphosate-resistant marestail
 Pest 2 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 30 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. GLXMA 2008

Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 0 LB/A

% OM: 3.1 Texture: VERY FINE SANDY LOAM
 pH: 5.7 Soil Name: ALVIN
 CEC: 10 Fert. Level: P1 183 LB/A, K 288 LB/A

Application Description

	A	B
Application Date:	05-04-09	06-20-09
Time of Day:	19:00	8:00
Application Method:	Spray	Spray
Application Timing:	7-14EPP	28DAP
Application Placement:	BROFOL	BROFOL
Applied By:	NRJ	DKT
Air Temperature, Unit:	68 F	83 F
% Relative Humidity:	41	75
Wind Velocity, Unit:	1 MPH	2 MPH
Wind Direction:	SE	W
Dew Presence (Y/N):	N	Y
Soil Temperature, Unit:	65 F	80 F
Soil Moisture:	ABONOR	ABONOR
% Cloud Cover:	50	0

	05-04-09	06-20-09
Crop stage at application:	NA	V3
Height Min, Max (inch):	8	10

Pest Stage At Each Application

	05-04-09	06-20-09
Weed Code:	ERICA	ERICA
Stage Majority (leaves):	10	18
Stage Min, Max:	COTY 36	8 52
Height Majority:	4 IN	8 IN
Height Min, Max:	0.25 19	4 20
Density, Unit:	8 FT2	8 FT2
Weed Code:	AMATA	AMATA
Stage Majority (leaves):	2	8
Stage Min, Max:	COTY 4	4 30
Height Majority:	0.75 IN	4 IN
Height Min, Max:	0.25 1.5	3 8
Density, Unit:	2 FT2	2 FT2

Application Equipment

	05-04-09	06-20-09
Appl. Equipment:	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002
Boom Length, Unit:	6.67 FT	6.67 FT
Spray Volume, Unit:	15 GPA	15 GPA

No-Till Burndown Tank-Mixtures for Soybean.

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										ERICA-HR				
Pest Code										GLXMA	GLXMA	ERICA-HR	ERICA-HR	ERICA-HR
Crop Code										11-06-09	11-06-09	05-18-09	06-17-09	07-18-09
Rating Date										Moisture	Yield	BD-Control	Control	Control
Rating Data Type										Percent	bu/A	Percent	Percent	Percent
Rating Unit														
Rating Timing														
Trt-Eval Interval												14 DA-A	-3 DA-B	28 DA-B
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	7-14EPP A		11.2 b	31 g	55 g	69 f-i	78 c-f
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A		10.7 b	34 d-g	70 def	81 c-f	86 abc
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-14EPP A						
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A		11.1 b	34 d-g	55 g	60 hi	57 g
3	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7-14EPP A						
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A		11.2 b	29 g	98 a	94 ab	92 abc
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	oz/a	7-14EPP A						
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A						
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A		10.7 b	49 ab	69 ef	87 a-d	92 abc
5	CANOPY EX	29.5	WG			1.1	oz/a	7-14EPP A						
5	CLASSIC	25	WG	0.0156	lb ai/a			7-14EPP A						
5	EXPRESS	50	SG	0.00468	lb ai/a			7-14EPP A						
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A		11.1 b	48 abc	77 cde	96 a	96 a
6	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP A						
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP A		10.7 b	37 b-g	67 f	58 i	55 g
7	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-14EPP A						
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
8	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP A		11.2 b	38 a-g	96 a	73 efg	76 c-f
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
9	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP A		11.2 b	33 efg	97 a	81 c-f	80 b-e
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-14EPP A						
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
10	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP A		11.2 b	31 fg	91 ab	61 hi	66 d-g
10	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7-14EPP A						
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
11	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP A		11.2 b	32 fg	98 a	92 abc	94 ab
11	SHARPEN	2.85	SC	0.0223	lb ai/a	1	oz/a	7-14EPP A						
11	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A						
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						

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										ERICA-HR				
Pest Code										GLXMA	GLXMA	ERICA-HR	ERICA-HR	ERICA-HR
Crop Code										11-06-09	11-06-09	05-18-09	06-17-09	07-18-09
Rating Date										Moisture	Yield	BD-Control	Control	Control
Rating Data Type										Percent	bu/A	Percent	Percent	Percent
Rating Unit														
Rating Timing														
Trt-Eval Interval												14 DA-A	-3 DA-B	28 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
12	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP A		10.7 b	46 a-d	98 a	96 a	95 ab
12	CANOPY EX	29.5	WG			1.1	oz/a	7-14EPP A						
12	CLASSIC	25	WG	0.0156	lb ai/a			7-14EPP A						
12	EXPRESS	50	SG	0.00468	lb ai/a			7-14EPP A						
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
13	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP A		11.1 b	45 a-e	97 a	97 a	97 a
13	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP A						
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
13	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
14	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP A		10.7 b	47 abc	94 a	80 def	76 c-f
14	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-14EPP A						
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
14	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
15	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP A		11.1 b	32 fg	83 bc	70 fgh	62 fg
15	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
15	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
16	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP A		10.8 b	43 a-f	95 a	83 b-e	82 a-d
16	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-14EPP A						
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A						
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
16	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
17	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP A		10.4 b	36 c-g	79 cd	62 ghi	65 efg
17	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7-14EPP A						
17	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A						
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
17	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
18	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP A		11.5 b	37 b-g	97 a	86 a-d	83 abc
18	SHARPEN	2.85	SC	0.0223	lb ai/a	1	oz/a	7-14EPP A						
18	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A						
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
18	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
19	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP A		11.1 b	46 abc	80 c	87 a-d	88 abc
19	CANOPY EX	29.5	WG			1.1	oz/a	7-14EPP A						
19	CLASSIC	25	WG	0.0156	lb ai/a			7-14EPP A						
19	EXPRESS	50	SG	0.00468	lb ai/a			7-14EPP A						
19	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A						
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
19	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
20	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP A		10.6 b	50 a	84 bc	93 abc	96 ab
20	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP A						
20	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A						
20	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
20	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
21	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP A		11.2 b	37 b-g	82 c	59 hi	62 fg
21	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-14EPP A						
21	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP A						
21	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP A						
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP B						
21	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP B						
22	NONTREATED									13.1 a	8 h	0 h	0 j	0 h

Pest Code			ERICA-HR	ERICA-HR	ERICA-HR
Crop Code	GLXMA	GLXMA			
Rating Date	11-06-09	11-06-09	05-18-09	06-17-09	07-18-09
Rating Data Type	Moisture	Yield	BD-Control	Control	Control
Rating Unit	Percent	bu/A	Percent	Percent	Percent
Rating Timing					
Trt-Eval Interval			14 DA-A	-3 DA-B	28 DA-B

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

No-Till Burndown Tank-Mixtures for Soybean.

Trial ID: 09-YRC-BDtankmix Location: Young Res. Center

Pest Code	AMASS	AMASS	AMASS
Crop Code			
Rating Date	05-18-09	06-17-09	07-18-09
Rating Data Type	BD-Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing			
Trt-Eval Interval	14 DA-A	-3 DA-B	28 DA-B

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	7-14EPP	A	98	abc	7 ghi 53 de
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	97	abc	3 hi 48 de
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-14EPP	A			
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	99	a	43 a-d 82 abc
3	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7-14EPP	A			
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	97	abc	8 ghi 45 e
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	oz/a	7-14EPP	A			
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A			
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	99	a	56 ab 68 a-d
5	CANOPY EX	29.5	WG			1.1	oz/a	7-14EPP	A			
5	CLASSIC	25	WG	0.0156	lb ai/a			7-14EPP	A			
5	EXPRESS	50	SG	0.00468	lb ai/a			7-14EPP	A			
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	99	a	50 abc 85 ab
6	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP	A			
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	7-14EPP	A	99	a	18 fgh 87 ab
7	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-14EPP	A			
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
8	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP	A	94	cd	10 ghi 57 de
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
9	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP	A	98	abc	13 f-i 52 de
9	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-14EPP	A			
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
10	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP	A	98	abc	15 f-i 57 de
10	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7-14EPP	A			
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
11	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP	A	90	e	15 f-i 55 de
11	SHARPEN	2.85	SC	0.0223	lb ai/a	1	oz/a	7-14EPP	A			
11	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A			
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			

No-Till Burndown Tank-Mixtures for Soybean.

Trial ID: 09-YRC-BDtankmix Location: Young Res. Center

Pest Code	AMASS	AMASS	AMASS
Crop Code			
Rating Date	05-18-09	06-17-09	07-18-09
Rating Data Type	BD-Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing			
Trt-Eval Interval	14 DA-A	-3 DA-B	28 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
12	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP	A	93	de	40 bcd 60 cde
12	CANOPY EX	29.5	WG			1.1	oz/a	7-14EPP	A			
12	CLASSIC	25	WG	0.0156	lb ai/a			7-14EPP	A			
12	EXPRESS	50	SG	0.00468	lb ai/a			7-14EPP	A			
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
13	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP	A	99	a	37 cde 87 ab
13	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP	A			
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
13	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
14	IGNITE 280	2.34	EC	0.53	lb ai/a	29	fl oz/a	7-14EPP	A	99	ab	60 a 90 a
14	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-14EPP	A			
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
14	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
15	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP	A	97	abc	7 ghi 60 cde
15	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A			
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
15	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
16	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP	A	97	abc	20 e-h 65 b-e
16	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	7-14EPP	A			
16	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A			
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
16	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
17	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP	A	99	a	28 def 82 abc
17	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	7-14EPP	A			
17	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A			
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
17	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
18	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP	A	95	bcd	22 efg 58 de
18	SHARPEN	2.85	SC	0.0223	lb ai/a	1	oz/a	7-14EPP	A			
18	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A			
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
18	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
19	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP	A	99	a	42 bcd 55 de
19	CANOPY EX	29.5	WG			1.1	oz/a	7-14EPP	A			
19	CLASSIC	25	WG	0.0156	lb ai/a			7-14EPP	A			
19	EXPRESS	50	SG	0.00468	lb ai/a			7-14EPP	A			
19	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A			
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
19	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
20	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP	A	99	a	40 bcd 82 abc
20	AUTHORITY FIRST	70	WG	0.14	lb ai/a	3.2	oz/a	7-14EPP	A			
20	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A			
20	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
20	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
21	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	7-14EPP	A	99	ab	42 bcd 90 a
21	PREFIX	5.29	EC	1.32	lb ai/a	2	pt/a	7-14EPP	A			
21	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	7-14EPP	A			
21	N-PAK AMS	100	SL	5	% v/v	5	% v/v	7-14EPP	A			
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	B			
21	N-PAK AMS	100	SL	5	% v/v	5	% v/v	28DAP	B			
22	NONTREATED									0	f	0 i 0 f

No-Till Burndown Tank-Mixtures for Soybean.

Trial ID: 09-YRC-BDtankmix Location: Young Res. Center

Pest Code	AMASS	AMASS	AMASS
Crop Code			
Rating Date	05-18-09	06-17-09	07-18-09
Rating Data Type	BD-Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Timing			
Trt-Eval Interval	14 DA-A	-3 DA-B	28 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
LSD (P=.05)									
Replicate F									
Replicate Prob(F)									
Treatment F									
Treatment Prob(F)									

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

Trial Comments

1. Protocol: ISA.
2. Ratings: WC at 14 da A and CI/WC at 0 + 28 da B.
3. Yield if possible.
4. ERICA-HR = Herbicide-resistant marestail (glyphosate).
AMASS = Amaranth species including AMATA (common waterhemp) and AMARE (redroot pigweed).
BD-Control = Burndown control. Control 6-17-09 and 7-18-09 was a combination of burndown and residual.
5. Harvested 11-6-09, (2) 30 inch rows by 27.5 ft.