

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy 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: 12-05-09

Objectives: Evaluate various herbicide combination for fall
 and spring preplant applications in soybean.

Crop 1: GLXMA Soybean Variety: AG 4005 Description: RR
 Planting Method: SEEDED Planting Date: 05-06-10
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: HORPU Hordeum pusillum Nutt. barley, little
 Pest 2 Type: W Code: STEME Stellaria media (L.) Vill. chickweed, common
 Pest 3 Type: W Code: LAMAM Lamium amplexicaule L. henbit
 Pest 4 Type: W Code: LAMPU Lamium purpureum L. deadnettle, purple
 Pest 5 Type: W Code: THLAR Thlaspi arvense L. pennycress, field
 Pest 6 Type: W Code: ERICA Conyza canadensis (L.) Crong. horseweed
 Pest Description: glyphosate-resistant marestail
 Pest 7 Type: W Code: AMASS Amaranthus species amaranthus species
 Pest 8 Type: W Code: CHEAL Chenopodium album L. lambsquarters, 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. ZEAMD 2008

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

% OM: 2.1 Texture: VERY FINE SANDY LOAM
 pH: 5 Soil Name: ALVIN
 CEC: 9 Fert. Level: P1 133 LB/A, K 209 LB/A

	Application Description									
	A		B		C		D		E	
Application Date:	12-05-09	04-09-10	04-28-10	05-09-10	06-02-10					
Time of Day:	14:30	16:15	12:45	13:00	9:45					
Application Method:	Spray	Spray	Spray	Spray	Spray					
Application Timing:	FALL	30EPP	7DBP	PRE	28DAP					
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL					
Applied By:	NVH	DKT	NVH	DKP	DKP					
Air Temperature, Unit:	39 F	79 F	68 F	70 F	73 F					
% Relative Humidity:	27	21	32	37	83					
Wind Velocity, Unit:	2 MPH	2 MPH	3 MPH	2 MPH	2 MPH					
Wind Direction:	SW	SW	W	NW	SW					
Dew Presence (Y/N):	N	N	N	N	Y					
Soil Temperature, Unit:	39 F	55 F	68 F	70 F	75 F					
Soil Moisture:	ABONOR	NORMAL	NORMAL	NORMAL	ABONOR					
% Cloud Cover:	0	0	25	45	95					
	12-05-09	04-09-10	04-28-10	05-09-10	06-02-10					
Crop stage at application:	NA	NA	NA	NA	V2					
Height Min, Max (inch):					4 5					

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	Pest Stage At Each Application									
Application Date:	12-05-09	04-09-10	04-28-10	05-09-10	06-02-10					
Weed Code:	HORPU	HORPU	HORPU	HORPU	HORPU					
Stage Majority (leaves):	NA	8	8	NA	NA					
Stage Min, Max:		6 10	6 10							
Height Majority:		6 IN	12 IN							
Height Min, Max:		3 8	10 17							
Density, Unit:		2 FT2	2 FT2							
Weed Code:	STEME	STEME	STEME	STEME	STEME					
Stage Majority (leaves):	60	80	150	NA	NA					
Stage Min, Max:	20 80	20 100	100 200							
Height Majority:	2 IN	8 IN	10 IN							
Height Min, Max:	1 4	2 12	8 14							
Density, Unit:	2 FT2	1 FT2	1 FT2							
Weed Code:	LAMAM	LAMAM	LAMAM	LAMAM	LAMAM					
Stage Majority (leaves):	6	12	40	NA	NA					
Stage Min, Max:	4 10	8 16	20 80							
Height Majority:	2 IN	8 IN	9 IN							
Height Min, Max:	1 3	4 8	7 13							
Density, Unit:	2 FT2	2 FT2	2 FT2							
Weed Code:	LAMPU	LAMPU	LAMPU	LAMPU	LAMPU					
Stage Majority (leaves):	4	8	30	NA	NA					
Stage Min, Max:	4 8	6 10	15 50							
Height Majority:	1 IN	6 IN	8 IN							
Height Min, Max:	1 2	3 7	6 8							
Density, Unit:	1 FT2	1 FT2	1 FT2							
Weed Code:	THLAR	THLAR	THLAR	THLAR	THLAR					
Stage Majority (leaves):	20	60	60	NA	NA					
Stage Min, Max:	9 36	40 120	40 120							
Height Majority:	2 IN	15 IN	15 IN							
Height Min, Max:	1 4	8 22	8 22							
Density, Unit:	2 FT2	0.3 FT2	0.3 FT2							
Weed Code:	ERICA	ERICA	ERICA	ERICA	ERICA					
Stage Majority (leaves):	10	8	8	8	20					
Stage Min, Max:	4 12	4 10	4 12	4 14	8 36					
Height Majority:	1.5 IN	2 IN	2 IN	2 IN	6 IN					
Height Min, Max:	1 2	1 3	1 4	1 4	1.5 10					
Density, Unit:	0.25 FT2	1 FT2	1 FT2	2 FT2	2 FT2					
Weed Code:	AMASS	AMASS	AMASS	AMASS	AMASS					
Stage Majority (leaves):	NA	NA	3	4	14					
Stage Min, Max:			COTY 6	COTY 8	COTY 30					
Height Majority:			1.5 IN	2 IN	8 IN					
Height Min, Max:			0.5 3	0.5 3	0.5 14					
Density, Unit:			8 FT2	3 FT2	4 FT2					
Weed Code:	CHEAL	CHEAL	CHEAL	CHEAL	CHEAL					
Stage Majority (leaves):	NA	2	4	8	18					
Stage Min, Max:		2 4	2 6	4 14	4 30					
Height Majority:		2 IN	3 IN	4 IN	4 IN					
Height Min, Max:		1 3	1 4	2 8	2 10					
Density, Unit:		1 FT2	1 FT2	1 FT2	1 FT2					

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:	6.67 FT	6.67 FT	6.67 FT	6.67 FT	6.67 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA

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Pest Code														HORPU	HORPU	HORPU
Crop Code										GLXMA	GLXMA	GLXMA	GLXMA			
Rating Date										10-06-10	05-20-10	06-03-10	06-30-10	03-01-10	04-01-10	05-01-10
Rating Data Type										Yield	Injury	Injury	Injury	Control	Control	Control
Rating Unit										bu/A	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing											11 DA-D	25 DA-D	28 DA-E	86 DA-A	117 DA-A	3 DA-C
Trt-Eval Interval											14 DAP	28 DAP				22 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code							
1	CANOPY EX	29.5	WG				2 oz/a	FALL	A	38 ef	0 a	0 a	0 a	99 a	99 a	99 a
1	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A							
1	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A							
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	FALL	A							
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a		1 pt/a	FALL	A							
1	AMS	100	SG	2	% w/w		17 lb/100 gal	FALL	A							
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	PRE	D							
1	AMS	100	SG	2	% w/w		17 lb/100 gal	PRE	D							
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	28DAP	E							
1	CLASSIC	25	WG	0.0078	lb ai/a		0.5 oz/a	28DAP	E							
1	AMS	100	SG	2	% w/w		17 lb/100 gal	28DAP	E							
2	BASIS	75	WG	0.0234	lb ai/a		0.5 oz/a	FALL	A	48 abc	0 a	0 a	0 a	99 a	98 a	98 ab
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	FALL	A							
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a		1 pt/a	FALL	A							
2	AMS	100	SG	2	% w/w		17 lb/100 gal	FALL	A							
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	PRE	D							
2	AMS	100	SG	2	% w/w		17 lb/100 gal	PRE	D							
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	28DAP	E							
2	CLASSIC	25	WG	0.0078	lb ai/a		0.5 oz/a	28DAP	E							
2	AMS	100	SG	2	% w/w		17 lb/100 gal	28DAP	E							
3	VALOR SX	51	WG	0.064	lb ai/a		2 oz/a	FALL	A	42 c-f	0 a	0 a	0 a	98 a	96 ab	91 abc
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	FALL	A							
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a		1 pt/a	FALL	A							
3	AMS	100	SG	2	% w/w		17 lb/100 gal	FALL	A							
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	PRE	D							
3	AMS	100	SG	2	% w/w		17 lb/100 gal	PRE	D							
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	28DAP	E							
3	CLASSIC	25	WG	0.0078	lb ai/a		0.5 oz/a	28DAP	E							
3	AMS	100	SG	2	% w/w		17 lb/100 gal	28DAP	E							
4	SHARPEN	2.85	SC	0.0223	lb ai/a		1 fl oz/a	FALL	A	43 b-f	0 a	0 a	0 a	99 a	98 ab	90 bc
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	FALL	A							
4	AMS	100	SG	2	% w/w		17 lb/100 gal	FALL	A							
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	PRE	D							
4	AMS	100	SG	2	% w/w		17 lb/100 gal	PRE	D							
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	28DAP	E							
4	CLASSIC	25	WG	0.0078	lb ai/a		0.5 oz/a	28DAP	E							
4	AMS	100	SG	2	% w/w		17 lb/100 gal	28DAP	E							
5	CANOPY EX	29.5	WG				2 oz/a	FALL	A	40 def	0 a	0 a	0 a	99 a	98 a	99 a
5	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A							
5	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A							
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	FALL	A							
5	SHARPEN	2.85	SC	0.0223	lb ai/a		1 fl oz/a	FALL	A							
5	AMS	100	SG	2	% w/w		17 lb/100 gal	FALL	A							
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	PRE	D							
5	AMS	100	SG	2	% w/w		17 lb/100 gal	PRE	D							
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	28DAP	E							
5	CLASSIC	25	WG	0.0078	lb ai/a		0.5 oz/a	28DAP	E							
5	AMS	100	SG	2	% w/w		17 lb/100 gal	28DAP	E							
6	BASIS	75	WG	0.0234	lb ai/a		0.5 oz/a	FALL	A	42 b-f	0 a	0 a	0 a	98 a	97 ab	95 abc
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	FALL	A							
6	SHARPEN	2.85	SC	0.0223	lb ai/a		1 fl oz/a	FALL	A							
6	AMS	100	SG	2	% w/w		17 lb/100 gal	FALL	A							
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	PRE	D							
6	AMS	100	SG	2	% w/w		17 lb/100 gal	PRE	D							
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a		22 fl oz/a	28DAP	E							
6	CLASSIC	25	WG	0.0078	lb ai/a		0.5 oz/a	28DAP	E							
6	AMS	100	SG	2	% w/w		17 lb/100 gal	28DAP	E							

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Pest Code										HORPU				HORPU	HORPU	
Crop Code										GLXMA	GLXMA	GLXMA	GLXMA	03-01-10	04-01-10	05-01-10
Rating Date										10-06-10	05-20-10	06-03-10	06-30-10	Control	Control	Control
Rating Data Type										Yield	Injury	Injury	Injury	Percent	Percent	Percent
Rating Unit										bu/A	Percent	Percent	Percent			
Rating Timing											11 DA-D	25 DA-D	28 DA-E	86 DA-A	117 DA-A	22 DA-B
Trt-Eval Interval											14 DAP	28 DAP				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code							
7	ENVIVE	41.3	WG			3.5	oz/a	30EPP B		45 a-e	0 a	0 a	0 a			99 ab
7	CLASSIC	25	WG	0.02	lb ai/a			30EPP B								
7	HARMONY SG	50	SG	0.00643	lb ai/a			30EPP B								
7	VALOR SX	51	WG	0.0635	lb ai/a			30EPP B								
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP B								
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP B								
7	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP B								
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E								
7	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E								
7	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E								
8	ENVIVE	41.3	WG			3.5	oz/a	30EPP B		48 a-d	0 a	0 a	0 a			99 ab
8	CLASSIC	25	WG	0.02	lb ai/a			30EPP B								
8	HARMONY SG	50	SG	0.00643	lb ai/a			30EPP B								
8	VALOR SX	51	WG	0.0635	lb ai/a			30EPP B								
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP B								
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	30EPP B								
8	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP B								
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E								
8	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E								
8	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E								
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	30EPP B		51 a	0 a	0 a	0 a			99 a
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP B								
9	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP B								
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E								
9	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E								
9	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E								
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP B		43 a-f	0 a	0 a	0 a			98 ab
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP B								
10	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP B								
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E								
10	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E								
10	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E								
11	NONTREATED									21 g	0 a	0 a	0 a	0 b	0 c	0 d
12	CANOPY EX	29.5	WG			1.5	oz/a	FALL A		43 b-f	0 a	0 a	0 a	99 a	97 ab	95 abc
12	CLASSIC	25	WG	0.0212	lb ai/a			FALL A								
12	EXPRESS	50	SG	0.00636	lb ai/a			FALL A								
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A								
12	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL A								
12	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL A								
12	ENVIVE	41.3	WG			3.5	oz/a	7DBP C								
12	CLASSIC	25	WG	0.02	lb ai/a			7DBP C								
12	HARMONY SG	50	SG	0.00643	lb ai/a			7DBP C								
12	VALOR SX	51	WG	0.0635	lb ai/a			7DBP C								
12	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	7DBP C								
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E								
12	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E								
12	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E								
13	F9016-1	70	WG	0.14	lb ai/a	3.2	oz/a	FALL A		44 a-f	0 a	0 a	0 a	99 a	97 ab	96 ab
13	RAGE D-TECH	4.06	EC	0.38	lb ae/a	12	fl oz/a	FALL A								
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL A								
13	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL A								
13	AUTHORITY MTZ	45	WG	0.14	lb ai/a	5	oz/a	PRE D								
13	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	32	fl oz/a	PRE D								
13	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	PRE D								
13	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE D								
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E								
13	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E								
13	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E								

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Pest Code												HORPU		HORPU		HORPU	
Crop Code												10-06-10		05-20-10		06-03-10	
Rating Date												06-30-10		03-01-10		04-01-10	
Rating Data Type												Injury		Injury		Injury	
Rating Unit												Percent		Percent		Percent	
Rating Timing												11 DA-D		25 DA-D		28 DA-E	
Trt-Eval Interval												14 DAP		28 DAP		86 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code								
14	F9016-1	70	WG	0.166	lb ai/a	3.8	oz/a	FALL	A	49 ab	0 a	0 a	0 a	99 a	98 a	98 ab	
14	RAGE D-TECH	4.06	EC	0.38	lb ae/a	12	fl oz/a	FALL	A								
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A								
14	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A								
14	AUTHORITY MTZ	45	WG	0.14	lb ai/a	5	oz/a	PRE	D								
14	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	32	fl oz/a	PRE	D								
14	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	PRE	D								
14	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D								
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E								
14	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E								
14	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E								
15	VALOR XLT	40.3	WG			3	oz/a	FALL	A	37 f	0 a	0 a	0 a	99 a	99 a	98 ab	
15	VALOR SX	51	WG	0.056	lb ai/a			FALL	A								
15	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A								
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A								
15	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A								
15	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL	A								
15	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A								
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D								
15	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D								
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E								
15	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E								
15	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E								
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	43 b-f	0 a	0 a	0 a	99 a	98 ab	93 abc	
16	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A								
16	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL	A								
16	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A								
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D								
16	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D								
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E								
16	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E								
16	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E								
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	38 ef	0 a	0 a	0 a	99 a	98 a	97 ab	
17	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	FALL	A								
17	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A								
17	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	FALL	A								
17	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A								
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D								
17	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D								
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E								
17	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E								
17	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E								
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	41 c-f	0 a	0 a	0 a	99 a	95 b	86 c	
18	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	FALL	A								
18	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	FALL	A								
18	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A								
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D								
18	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D								
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E								
18	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E								
18	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E								
LSD (P=.05)										7.6	0.0	0.0	0.0	1.5	2.8	9.0	
Replicate F										4.044	0.000	0.000	0.000	0.619	1.625	2.349	
Replicate Prob(F)										0.0266	1.0000	1.0000	1.0000	0.5462	0.2163	0.1107	
Treatment F										6.219	0.000	0.000	0.000	2589.007	711.801	53.659	
Treatment Prob(F)										0.0001	1.0000	1.0000	1.0000	0.0001	0.0001	0.0001	

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

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

Pest Code									STEME	STEME	STEME	LAMAM	LAMAM	LAMAM
Crop Code														
Rating Date									03-01-10	04-01-10	05-01-10	03-01-10	04-01-10	05-01-10
Rating Data Type									Control	Control	Control	Control	Control	Control
Rating Unit									Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing											3 DA-C			3 DA-C
Trt-Eval Interval									86 DA-A	117 DA-A	22 DA-B	86 DA-A	117 DA-A	22 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	CANOPY EX	29.5	WG			2	oz/a	FALL	A	99 a	99 a	99 a	99 a	99 a
1	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A					
1	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A					
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A					
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A					
1	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A					
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D					
1	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D					
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
1	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
1	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
2	BASIS	75	WG	0.0234	lb ai/a	0.5	oz/a	FALL	A	99 a	98 a	98 ab	98 b	97 abc
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A					
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A					
2	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A					
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D					
2	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D					
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
2	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
2	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
3	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	FALL	A	99 a	98 a	96 ab	99 a	98 ab
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A					
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A					
3	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A					
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D					
3	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D					
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
3	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
3	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A	99 ab	98 a	96 ab	99 a	96 bc
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A					
4	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A					
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D					
4	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D					
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
4	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
4	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
5	CANOPY EX	29.5	WG			2	oz/a	FALL	A	99 a	98 a	99 a	99 a	98 a
5	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A					
5	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A					
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A					
5	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A					
5	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A					
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D					
5	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D					
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
5	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
5	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
6	BASIS	75	WG	0.0234	lb ai/a	0.5	oz/a	FALL	A	99 a	96 a	96 ab	99 a	96 bc
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A					
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A					
6	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A					
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D					
6	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D					
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
6	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
6	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

Pest Code									STEME	STEME	STEME	LAMAM	LAMAM	LAMAM
Crop Code									03-01-10	04-01-10	05-01-10	03-01-10	04-01-10	05-01-10
Rating Date									Control	Control	Control	Control	Control	Control
Rating Data Type									Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit											3 DA-C			3 DA-C
Rating Timing														
Trt-Eval Interval									86 DA-A	117 DA-A	22 DA-B	86 DA-A	117 DA-A	22 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
7	ENVIVE	41.3	WG			3.5	oz/a	30EPP	B		99 a		99 a	
7	CLASSIC	25	WG	0.02	lb ai/a			30EPP	B					
7	HARMONY SG	50	SG	0.00643	lb ai/a			30EPP	B					
7	VALOR SX	51	WG	0.0635	lb ai/a			30EPP	B					
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B					
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	B					
7	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B					
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
7	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
7	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
8	ENVIVE	41.3	WG			3.5	oz/a	30EPP	B		99 a		99 a	
8	CLASSIC	25	WG	0.02	lb ai/a			30EPP	B					
8	HARMONY SG	50	SG	0.00643	lb ai/a			30EPP	B					
8	VALOR SX	51	WG	0.0635	lb ai/a			30EPP	B					
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B					
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	30EPP	B					
8	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B					
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
8	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
8	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	30EPP	B		99 a		99 a	
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B					
9	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B					
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
9	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
9	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B		99 a		99 a	
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	B					
10	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
10	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
10	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
11	NONTREATED									0 c	0 b	0 c	0 c	0 d
12	CANOPY EX	29.5	WG			1.5	oz/a	FALL	A	99 a	98 a	98 ab	99 a	97 abc
12	CLASSIC	25	WG	0.0212	lb ai/a			FALL	A					
12	EXPRESS	50	SG	0.00636	lb ai/a			FALL	A					
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A					
12	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A					
12	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL	A					
12	ENVIVE	41.3	WG			3.5	oz/a	7DBP	C					
12	CLASSIC	25	WG	0.02	lb ai/a			7DBP	C					
12	HARMONY SG	50	SG	0.00643	lb ai/a			7DBP	C					
12	VALOR SX	51	WG	0.0635	lb ai/a			7DBP	C					
12	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	7DBP	C					
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
12	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
12	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
13	F9016-1	70	WG	0.14	lb ai/a	3.2	oz/a	FALL	A	98 b	95 a	98 ab	99 a	98 a
13	RAGE D-TECH	4.06	EC	0.38	lb ae/a	12	fl oz/a	FALL	A					
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A					
13	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A					
13	AUTHORITY MTZ	45	WG	0.14	lb ai/a	5	oz/a	PRE	D					
13	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	32	fl oz/a	PRE	D					
13	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	PRE	D					
13	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D					
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
13	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
13	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

Pest Code	STEME	STEME	STEME	LAMAM	LAMAM	LAMAM
Crop Code	03-01-10	04-01-10	05-01-10	03-01-10	04-01-10	05-01-10
Rating Date	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit			3 DA-C			3 DA-C
Rating Timing						
Trt-Eval Interval	86 DA-A	117 DA-A	22 DA-B	86 DA-A	117 DA-A	22 DA-B
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Other Rate Rate Unit	Growth Stage	Appl Code
14 F9016-1	70 WG		0.166 lb ai/a	3.8 oz/a	FALL A	
14 RAGE D-TECH	4.06 EC		0.38 lb ae/a	12 fl oz/a	FALL A	
14 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	FALL A	
14 AMS	100 SG		2 % w/w	17 lb/100 gal	FALL A	
14 AUTHORITY MTZ	45 WG		0.14 lb ai/a	5 oz/a	PRE D	
14 GRAMOXONE INTEON	2 SL		0.5 lb ai/a	32 fl oz/a	PRE D	
14 COC (PRIME OIL)	100 SL		1 % v/v	1 % v/v	PRE D	
14 AMS	100 SG		2 % w/w	17 lb/100 gal	PRE D	
14 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	28DAP E	
14 CLASSIC	25 WG		0.0078 lb ai/a	0.5 oz/a	28DAP E	
14 AMS	100 SG		2 % w/w	17 lb/100 gal	28DAP E	
15 VALOR XLT	40.3 WG			3 oz/a	FALL A	
15 VALOR SX	51 WG		0.056 lb ai/a		FALL A	
15 CLASSIC	25 WG		0.0194 lb ai/a		FALL A	
15 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	FALL A	
15 2,4-D LV 4	3.8 EC		0.475 lb ae/a	1 pt/a	FALL A	
15 NIS (ACTIVATOR 90)	100 SL		0.25 % v/v	0.25 % v/v	FALL A	
15 AMS	100 SG		2 % w/w	17 lb/100 gal	FALL A	
15 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	PRE D	
15 AMS	100 SG		2 % w/w	17 lb/100 gal	PRE D	
15 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	28DAP E	
15 CLASSIC	25 WG		0.0078 lb ai/a	0.5 oz/a	28DAP E	
15 AMS	100 SG		2 % w/w	17 lb/100 gal	28DAP E	
16 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	FALL A	
16 2,4-D LV 4	3.8 EC		0.475 lb ae/a	1 pt/a	FALL A	
16 NIS (ACTIVATOR 90)	100 SL		0.25 % v/v	0.25 % v/v	FALL A	
16 AMS	100 SG		2 % w/w	17 lb/100 gal	FALL A	
16 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	PRE D	
16 AMS	100 SG		2 % w/w	17 lb/100 gal	PRE D	
16 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	28DAP E	
16 CLASSIC	25 WG		0.0078 lb ai/a	0.5 oz/a	28DAP E	
16 AMS	100 SG		2 % w/w	17 lb/100 gal	28DAP E	
17 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	FALL A	
17 SCEPTER	70 WG		0.123 lb ai/a	2.8 oz/a	FALL A	
17 SHARPEN	2.85 SC		0.0223 lb ai/a	1 fl oz/a	FALL A	
17 MSO (DESTINY)	100 SL		1 % v/v	1 % v/v	FALL A	
17 AMS	100 SG		2 % w/w	17 lb/100 gal	FALL A	
17 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	PRE D	
17 AMS	100 SG		2 % w/w	17 lb/100 gal	PRE D	
17 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	28DAP E	
17 CLASSIC	25 WG		0.0078 lb ai/a	0.5 oz/a	28DAP E	
17 AMS	100 SG		2 % w/w	17 lb/100 gal	28DAP E	
18 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	FALL A	
18 OPTILL	68 WG		0.085 lb ai/a	2 oz/a	FALL A	
18 MSO (DESTINY)	100 SL		1 % v/v	1 % v/v	FALL A	
18 AMS	100 SG		2 % w/w	17 lb/100 gal	FALL A	
18 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	PRE D	
18 AMS	100 SG		2 % w/w	17 lb/100 gal	PRE D	
18 ROUNDUP POWERMAX	4.5 SL		0.77 lb ae/a	22 fl oz/a	28DAP E	
18 CLASSIC	25 WG		0.0078 lb ai/a	0.5 oz/a	28DAP E	
18 AMS	100 SG		2 % w/w	17 lb/100 gal	28DAP E	
LSD (P=.05)	1.0	5.1	4.6	0.5	2.1	2.8
Replicate F	1.526	0.324	0.046	1.000	2.979	0.857
Replicate Prob(F)	0.2363	0.7260	0.9554	0.3816	0.0684	0.4334
Treatment F	5370.705	225.174	207.925	22030.406	1267.134	583.052
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

								LAMPU	LAMPU	LAMPU	THLAR	THLAR	THLAR
Pest Code								03-01-10	04-01-10	05-01-10	03-01-10	04-01-10	05-01-10
Crop Code								Control	Control	Control	Control	Control	Control
Rating Date								Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type										3 DA-C			3 DA-C
Rating Unit													
Rating Timing													
Trt-Eval Interval								86 DA-A	117 DA-A	22 DA-B	86 DA-A	117 DA-A	22 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	CANOPY EX	29.5	WG			2	oz/a	FALL	A	99 a	98 abc	99 ab	
1	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A				99 a
1	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A				
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
1	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
1	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
1	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
1	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
2	BASIS	75	WG	0.0234	lb ai/a	0.5	oz/a	FALL	A	99 a	97 bcd	97 abc	
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				92 ab
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
2	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
3	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	FALL	A	99 a	98 ab	98 abc	
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				91 ab
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
3	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A	99 a	97 a-d	94 d	
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				47 d
4	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
4	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
5	CANOPY EX	29.5	WG			2	oz/a	FALL	A	99 a	97 a-d	99 a	
5	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A				98 ab
5	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A				
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
5	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
5	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
6	BASIS	75	WG	0.0234	lb ai/a	0.5	oz/a	FALL	A	99 a	96 d	96 c	
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				83 b
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
6	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

Pest Code									LAMPU	LAMPU	LAMPU	THLAR	THLAR	THLAR
Crop Code									03-01-10	04-01-10	05-01-10	03-01-10	04-01-10	05-01-10
Rating Date									Control	Control	Control	Control	Control	Control
Rating Data Type									Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit											3 DA-C			3 DA-C
Rating Timing														
Trt-Eval Interval									86 DA-A	117 DA-A	22 DA-B	86 DA-A	117 DA-A	22 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
7	ENVIVE	41.3	WG			3.5	oz/a	30EPP	B		99	a		99
7	CLASSIC	25	WG	0.02	lb ai/a			30EPP	B					
7	HARMONY SG	50	SG	0.00643	lb ai/a			30EPP	B					
7	VALOR SX	51	WG	0.0635	lb ai/a			30EPP	B					
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B					
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	B					
7	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B					
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
7	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
7	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
8	ENVIVE	41.3	WG			3.5	oz/a	30EPP	B		99	a		99
8	CLASSIC	25	WG	0.02	lb ai/a			30EPP	B					
8	HARMONY SG	50	SG	0.00643	lb ai/a			30EPP	B					
8	VALOR SX	51	WG	0.0635	lb ai/a			30EPP	B					
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B					
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	30EPP	B					
8	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B					
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
8	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
8	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	30EPP	B		99	ab		99
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B					
9	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B					
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
9	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
9	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B		99	a		98
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	B					
10	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
10	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
10	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
11	NONTREATED									0	b		0	e
											0	e		0
											0	e		0
12	CANOPY EX	29.5	WG			1.5	oz/a	FALL	A	99	a	97	a-d	99
12	CLASSIC	25	WG	0.0212	lb ai/a			FALL	A			99	a	98
12	EXPRESS	50	SG	0.00636	lb ai/a			FALL	A				99	a
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A					
12	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A					
12	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL	A					
12	ENVIVE	41.3	WG			3.5	oz/a	7DBP	C					
12	CLASSIC	25	WG	0.02	lb ai/a			7DBP	C					
12	HARMONY SG	50	SG	0.00643	lb ai/a			7DBP	C					
12	VALOR SX	51	WG	0.0635	lb ai/a			7DBP	C					
12	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	7DBP	C					
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
12	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
12	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					
13	F9016-1	70	WG	0.14	lb ai/a	3.2	oz/a	FALL	A	99	a	99	a	98
13	RAGE D-TECH	4.06	EC	0.38	lb ae/a	12	fl oz/a	FALL	A				99	a
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				98	ab
13	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A					98
13	AUTHORITY MTZ	45	WG	0.14	lb ai/a	5	oz/a	PRE	D					
13	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	32	fl oz/a	PRE	D					
13	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	PRE	D					
13	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D					
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E					
13	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E					
13	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E					

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

								LAMPU	LAMPU	LAMPU	THLAR	THLAR	THLAR
Pest Code													
Crop Code													
Rating Date								03-01-10	04-01-10	05-01-10	03-01-10	04-01-10	05-01-10
Rating Data Type								Control	Control	Control	Control	Control	Control
Rating Unit								Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing										3 DA-C			3 DA-C
Trt-Eval Interval								86 DA-A	117 DA-A	22 DA-B	86 DA-A	117 DA-A	22 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
14	F9016-1	70	WG	0.166	lb ai/a	3.8	oz/a	FALL	A	99 a	98 ab	98 abc	99 a
14	RAGE D-TECH	4.06	EC	0.38	lb ae/a	12	fl oz/a	FALL	A				98 a
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
14	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
14	AUTHORITY MTZ	45	WG	0.14	lb ai/a	5	oz/a	PRE	D				
14	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	32	fl oz/a	PRE	D				
14	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	PRE	D				
14	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
14	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
14	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
15	VALOR XLT	40.3	WG			3	oz/a	FALL	A	99 a	99 a	99 a	99 a
15	VALOR SX	51	WG	0.056	lb ai/a			FALL	A				
15	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
15	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
15	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL	A				
15	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
15	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
15	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
15	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	99 a	97 a-d	97 bc	99 a
16	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				95 abc
16	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL	A				62 c
16	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
16	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
16	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
16	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	99 a	96 cd	96 c	96 b
17	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	FALL	A				87 d
17	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A				57 cd
17	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	FALL	A				
17	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
17	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
17	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
17	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	99 a	97 bcd	97 abc	99 a
18	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	FALL	A				92 c
18	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	FALL	A				57 cd
18	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
18	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
18	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
18	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
LSD (P=.05)								0.0	2.0	2.2	2.3	4.6	14.8
Replicate F								0.000	3.052	0.469	1.000	0.178	1.325
Replicate Prob(F)								1.0000	0.0645	0.6297	0.3816	0.8377	0.2792
Treatment F								0.000	1441.677	943.108	1084.923	264.169	28.066
Treatment Prob(F)								1.0000	0.0001	0.0001	0.0001	0.0001	0.0001

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

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

Pest Code										ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR
Crop Code													
Rating Date										04-01-10	05-01-10	06-03-10	06-30-10
Rating Data Type										Control	Control	Control	Control
Rating Unit										Percent	Percent	Percent	Percent
Rating Timing											3 DA-C	25 DA-D	
Trt-Eval Interval										117 DA-A	22 DA-B	28 DAP	28 DA-E
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	CANOPY EX	29.5	WG			2	oz/a	FALL	A	99 a	99 a	97 ab	97 ab
1	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A				
1	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A				
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
1	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
1	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
1	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
1	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
2	BASIS	75	WG	0.0234	lb ai/a	0.5	oz/a	FALL	A	93 cd	67 b	93 a-d	93 a-d
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
2	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
3	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	FALL	A	98 ab	73 b	89 cde	89 de
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
3	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A	92 d	60 bc	88 de	88 de
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
4	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
5	CANOPY EX	29.5	WG			2	oz/a	FALL	A	99 a	99 a	99 a	99 a
5	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A				
5	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A				
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
5	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
5	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
6	BASIS	75	WG	0.0234	lb ai/a	0.5	oz/a	FALL	A	92 d	70 b	77 f	82 f
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
6	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

Pest Code	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR
Crop Code				
Rating Date	04-01-10	05-01-10	06-03-10	06-30-10
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing		3 DA-C	25 DA-D	
Trt-Eval Interval	117 DA-A	22 DA-B	28 DAP	28 DA-E

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
7	ENVIVE	41.3	WG			3.5	oz/a	30EPP	B		99 a	99 a	99 a
7	CLASSIC	25	WG	0.02	lb ai/a			30EPP	B				
7	HARMONY SG	50	SG	0.00643	lb ai/a			30EPP	B				
7	VALOR SX	51	WG	0.0635	lb ai/a			30EPP	B				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B				
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	B				
7	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B				
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
7	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
7	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
8	ENVIVE	41.3	WG			3.5	oz/a	30EPP	B		99 a	98 a	99 a
8	CLASSIC	25	WG	0.02	lb ai/a			30EPP	B				
8	HARMONY SG	50	SG	0.00643	lb ai/a			30EPP	B				
8	VALOR SX	51	WG	0.0635	lb ai/a			30EPP	B				
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B				
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	30EPP	B				
8	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B				
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
8	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
8	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	30EPP	B		98 a	93 a-d	96 abc
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B				
9	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B				
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
9	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
9	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP	B		99 a	87 de	92 b-e
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP	B				
10	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP	B				
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
10	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
10	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
11	NONTREATED									0 e	0 e	0 g	0 g
12	CANOPY EX	29.5	WG			1.5	oz/a	FALL	A	97 abc	99 a	99 a	99 a
12	CLASSIC	25	WG	0.0212	lb ai/a			FALL	A				
12	EXPRESS	50	SG	0.00636	lb ai/a			FALL	A				
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
12	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL	A				
12	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL	A				
12	ENVIVE	41.3	WG			3.5	oz/a	7DBP	C				
12	CLASSIC	25	WG	0.02	lb ai/a			7DBP	C				
12	HARMONY SG	50	SG	0.00643	lb ai/a			7DBP	C				
12	VALOR SX	51	WG	0.0635	lb ai/a			7DBP	C				
12	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	7DBP	C				
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
12	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
12	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
13	F9016-1	70	WG	0.14	lb ai/a	3.2	oz/a	FALL	A	98 ab	97 a	97 ab	99 a
13	RAGE D-TECH	4.06	EC	0.38	lb ae/a	12	fl oz/a	FALL	A				
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
13	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
13	AUTHORITY MTZ	45	WG	0.14	lb ai/a	5	oz/a	PRE	D				
13	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	32	fl oz/a	PRE	D				
13	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	PRE	D				
13	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
13	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
13	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

Pest Code	ERICA-HR	ERICA-HR	ERICA-HR	ERICA-HR
Crop Code				
Rating Date	04-01-10	05-01-10	06-03-10	06-30-10
Rating Data Type	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent
Rating Timing		3 DA-C	25 DA-D	
Trt-Eval Interval	117 DA-A	22 DA-B	28 DAP	28 DA-E

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
14	F9016-1	70	WG	0.166	lb ai/a	3.8	oz/a	FALL	A	99 a	99 a	96 abc	99 a
14	RAGE D-TECH	4.06	EC	0.38	lb ae/a	12	fl oz/a	FALL	A				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
14	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
14	AUTHORITY MTZ	45	WG	0.14	lb ai/a	5	oz/a	PRE	D				
14	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	32	fl oz/a	PRE	D				
14	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	PRE	D				
14	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
14	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
14	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
15	VALOR XLT	40.3	WG			3	oz/a	FALL	A	99 a	99 a	98 a	99 a
15	VALOR SX	51	WG	0.056	lb ai/a			FALL	A				
15	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
15	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
15	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL	A				
15	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
15	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
15	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
15	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	93 d	66 b	90 b-e	90 cde
16	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
16	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL	A				
16	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
16	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
16	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
16	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	95 a-d	38 d	88 de	88 de
17	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	FALL	A				
17	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A				
17	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	FALL	A				
17	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
17	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
17	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
17	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	94 bcd	47 cd	84 e	86 ef
18	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	FALL	A				
18	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	FALL	A				
18	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
18	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
18	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
18	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
LSD (P=.05)										4.0	14.2	7.3	6.4
Replicate F										0.066	0.331	0.123	0.849
Replicate Prob(F)										0.9362	0.7207	0.8846	0.4367
Treatment F										346.350	33.071	80.560	106.002
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001

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

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

								AMASS	AMASS	AMASS	CHEAL	CHEAL	CHEAL
Pest Code								05-01-10	06-03-10	06-30-10	05-01-10	06-03-10	06-30-10
Crop Code								Control	Control	Control	Control	Control	Control
Rating Date								3 DA-C	25 DA-D	3 DA-C	25 DA-D	25 DA-D	25 DA-D
Rating Data Type								Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit								22 DA-B	28 DAP	28 DA-E	22 DA-B	28 DAP	28 DA-E
Rating Timing													
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	CANOPY EX	29.5	WG			2	oz/a	FALL	A	50 bc	60 ef	55 de	99 a
1	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A				
1	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A				
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
1	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
1	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
1	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
1	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
1	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
1	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
2	BASIS	75	WG	0.0234	lb ai/a	0.5	oz/a	FALL	A	37 bcd	75 a-e	77 a-e	99 a
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
2	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
2	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
2	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
2	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
3	VALOR SX	51	WG	0.064	lb ai/a	2	oz/a	FALL	A	30 cde	63 c-f	65 cde	99 a
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
3	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
3	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
3	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
3	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
4	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A	27 def	65 c-f	82 a-d	99 a
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
4	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
4	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
4	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
5	CANOPY EX	29.5	WG			2	oz/a	FALL	A	40 bcd	62 def	50 e	99 a
5	CLASSIC	25	WG	0.0283	lb ai/a			FALL	A				
5	EXPRESS	50	SG	0.00848	lb ai/a			FALL	A				
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
5	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
5	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
5	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
5	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				
6	BASIS	75	WG	0.0234	lb ai/a	0.5	oz/a	FALL	A	10 efg	75 a-e	77 a-e	99 a
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A				
6	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A				
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D				
6	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E				
6	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E				
6	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E				

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

								AMASS	AMASS	AMASS	CHEAL	CHEAL	CHEAL
Pest Code								05-01-10	06-03-10	06-30-10	05-01-10	06-03-10	06-30-10
Crop Code								Control	Control	Control	Control	Control	Control
Rating Date								3 DA-C	25 DA-D	3 DA-C	25 DA-D	25 DA-D	25 DA-D
Rating Data Type								Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit								22 DA-B	28 DAP	28 DA-E	22 DA-B	28 DAP	28 DA-E
Rating Timing													
Trt-Eval Interval													
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
7	ENVIVE	41.3	WG			3.5	oz/a	30EPP B		99 a	87 abc	91 abc	99 a
7	CLASSIC	25	WG	0.02	lb ai/a			30EPP B					
7	HARMONY SG	50	SG	0.00643	lb ai/a			30EPP B					
7	VALOR SX	51	WG	0.0635	lb ai/a			30EPP B					
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP B					
7	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP B					
7	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP B					
7	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E					
7	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E					
7	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E					
8	ENVIVE	41.3	WG			3.5	oz/a	30EPP B		99 a	88 abc	96 ab	99 a
8	CLASSIC	25	WG	0.02	lb ai/a			30EPP B					
8	HARMONY SG	50	SG	0.00643	lb ai/a			30EPP B					
8	VALOR SX	51	WG	0.0635	lb ai/a			30EPP B					
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP B					
8	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	30EPP B					
8	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP B					
8	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E					
8	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E					
8	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E					
9	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	30EPP B		98 a	57 ef	87 abc	99 a
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP B					
9	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP B					
9	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E					
9	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E					
9	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	30EPP B		98 a	47 f	73 a-e	99 a
10	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	30EPP B					
10	AMS	100	SG	2	% w/w	17	lb/100 gal	30EPP B					
10	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E					
10	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E					
10	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E					
11	NONTREATED									0 g	0 g	0 f	0 c
12	CANOPY EX	29.5	WG			1.5	oz/a	FALL A		98 a	97 a	98 a	99 a
12	CLASSIC	25	WG	0.0212	lb ai/a			FALL A					
12	EXPRESS	50	SG	0.00636	lb ai/a			FALL A					
12	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL A					
12	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	FALL A					
12	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL A					
12	ENVIVE	41.3	WG			3.5	oz/a	7DBP C					
12	CLASSIC	25	WG	0.02	lb ai/a			7DBP C					
12	HARMONY SG	50	SG	0.00643	lb ai/a			7DBP C					
12	VALOR SX	51	WG	0.0635	lb ai/a			7DBP C					
12	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	7DBP C					
12	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E					
12	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E					
12	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E					
13	F9016-1	70	WG	0.14	lb ai/a	3.2	oz/a	FALL A		57 b	93 ab	99 a	99 a
13	RAGE D-TECH	4.06	EC	0.38	lb ae/a	12	fl oz/a	FALL A					
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL A					
13	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL A					
13	AUTHORITY MTZ	45	WG	0.14	lb ai/a	5	oz/a	PRE D					
13	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	32	fl oz/a	PRE D					
13	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	PRE D					
13	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE D					
13	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP E					
13	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP E					
13	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP E					

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

Pest Code									AMASS	AMASS	AMASS	CHEAL	CHEAL	CHEAL	
Crop Code									05-01-10	06-03-10	06-30-10	05-01-10	06-03-10	06-30-10	
Rating Date									Control	Control	Control	Control	Control	Control	
Rating Data Type									Percent	Percent	Percent	Percent	Percent	Percent	
Rating Unit									3 DA-C	25 DA-D	3 DA-C	3 DA-C	25 DA-D	25 DA-D	
Rating Timing									22 DA-B	28 DAP	28 DA-E	22 DA-B	28 DAP	28 DA-E	
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
14	F9016-1	70	WG	0.166	lb ai/a	3.8	oz/a	FALL	A	40	bcd	95	ab	99	a
14	RAGE D-TECH	4.06	EC	0.38	lb ae/a	12	fl oz/a	FALL	A						
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A						
14	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A						
14	AUTHORITY MTZ	45	WG	0.14	lb ai/a	5	oz/a	PRE	D						
14	GRAMOXONE INTEON	2	SL	0.5	lb ai/a	32	fl oz/a	PRE	D						
14	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	PRE	D						
14	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D						
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E						
14	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E						
14	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E						
15	VALOR XLT	40.3	WG			3	oz/a	FALL	A	92	a	86	a-d	93	ab
15	VALOR SX	51	WG	0.056	lb ai/a			FALL	A					99	a
15	CLASSIC	25	WG	0.0194	lb ai/a			FALL	A						
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A						
15	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A						
15	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL	A						
15	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A						
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D						
15	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D						
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E						
15	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E						
15	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E						
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	48	bc	72	b-e	65	cde
16	2,4-D LV 4	3.8	EC	0.475	lb ae/a	1	pt/a	FALL	A					50	cd
16	NIS (ACTIVATOR 90)	100	SL	0.25	% v/v	0.25	% v/v	FALL	A					99	a
16	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A						
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D						
16	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D						
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E						
16	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E						
16	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E						
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	7	fg	47	f	53	e
17	SCEPTER	70	WG	0.123	lb ai/a	2.8	oz/a	FALL	A					30	de
17	SHARPEN	2.85	SC	0.0223	lb ai/a	1	fl oz/a	FALL	A					99	a
17	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	FALL	A						
17	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A						
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D						
17	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D						
17	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E						
17	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E						
17	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E						
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	FALL	A	13	efg	75	a-e	70	b-e
18	OPTILL	68	WG	0.085	lb ai/a	2	oz/a	FALL	A					10	ef
18	MSO (DESTINY)	100	SL	1	% v/v	1	% v/v	FALL	A					99	a
18	AMS	100	SG	2	% w/w	17	lb/100 gal	FALL	A						
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	PRE	D						
18	AMS	100	SG	2	% w/w	17	lb/100 gal	PRE	D						
18	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	E						
18	CLASSIC	25	WG	0.0078	lb ai/a	0.5	oz/a	28DAP	E						
18	AMS	100	SG	2	% w/w	17	lb/100 gal	28DAP	E						
LSD (P=.05)										21.4		24.5		27.5	
Replicate F										12.640		9.067		5.056	
Replicate Prob(F)										0.0001		0.0007		0.0120	
Treatment F										23.606		7.531		6.630	
Treatment Prob(F)										0.0001		0.0001		0.0001	

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

General Evaluation of Fall Applied Soybean Herbicides.

Trial ID: 10-YRC-GenFallSoy Location: Young Res. Center

Trial Comments

1. Protocol: DuPont, FMC, Valent, BASF.
2. Ratings:
 WC at March 1, April 1, May 1 (or at planting), and 28 DAP;
 CI at 14 + 28 DAP; CI/WC 28 days after "E" timing.
3. ERICA-HR = Herbicide-resistant marestail (glyphosate).
4. By 4-28-10, application C, AMASS had become the dominate species.
 By 6-3-10 HORPU, STEME, LAMAM, LAMPU, and THLAR were senescing naturally in the nontreated plots and could no longer be evaluated.
5. Harvested 10-6-10, (2) 30 inch rows by 26.5 ft.