

General Evaluation of Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA
 Trial Status: Final Updated: 1-23-08

Objective:
 Evaluate burndown programs for soybean with residual herbicide activity.

Weed Code	Common Name	Scientific Name
1.	HORPU barley, little	Hordeum pusillum Nutt.
2.	ERICA horseweed	Coryza canadensis (L.) Crong.
3.	RANAB buttercup, smallflower	Ranunculus abortivus L.
4.	AMBEL ragweed, common	Ambrosia artemisiifolia L.
5.	CHEAL lambsquarters, common	Chenopodium album L.
6.	AMATA waterhemp, common	Amaranthus rudis Sauer
7.	SETFA foxtail, giant	Setaria faberi Herrm.
8.	PANDI panicum, fall	Panicum dichotomiflorum Michx.

Crop 1: GLXMA soybean Variety: Asgrow 4404 RR/STS
 Planting Method: Seeded Planting Date: 5-21-07
 Rate: 75 lb/A Depth: 1.0 IN
 Row Spacing: 30 IN

Plot Width, Unit: 10 FT Plot Length, Unit: 28 FT Reps: 3
 Tillage Type: No-Till Study Design: Randomized complete block
 Previous Crop, Year: ZEAMX, 2006
 Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 100 LB/A

Soil Name: Weir % OM: 1.6 pH: 6.7 CEC: 8
 Texture: Silt loam Fert. Level: P1: 96 LB/A, K: 327 LB/A

APPLICATION DESCRIPTION	A	B	C	D	E	F	G
Application Date:	5-2-07	6-9-07	5-30-07	5-30-07	6-20-07	6-18-07	6-9-07
Time of Day:	8:00	10:30	15:00	15:00	9:00	10:30	10:30
Application Method:	Spray	Spray	Spray	Spray	Spray	Spray	Spray
Application Timing:	14EPP	V2-3	2-4"W-1	2-4"W-2	2-4"RG	28DAP	2-4"W-3
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	66 F	78 F	78 F	78 F	70 F	84 F	78 F
% Relative Humidity:	92	40	80	80	70	78	40
Wind Velocity, Unit:	0 MPH	1-3 MPH	5 MPH	5 MPH	1-3 MPH	5-7 MPH	1-3 MPH
Soil Moisture:	ABONOR	NORMAL	ABONOR	ABONOR	NORMAL	NORMAL	NORMAL
% Cloud Cover:		20			0	100	20

CROP STAGE AT EACH APPLICATION	A	B	C	D	E	F	G
Crop 1 Code, Stage:	GLXMA NA	GLXMA V2	GLXMA V1	GLXMA V1	GLXMA V4	GLXMA V4	GLXMA V2
Height, Unit:	NA NA	5 IN	1-2 IN	1-2 IN	6-8 IN	4-6 IN	5 IN

WEED STAGE AT EACH APPLICATION	A	B	C	D	E	F	G
Weed 1 Code:	HORPU						
Stage(leaves):	6-10						
Height(inches):	7-9						
Density:	High						
Weed 2 Code:	ERICA		ERICA		ERICA		ERICA
Stage(leaves):	10+		10+		10+		10+
Height(inches):	4-6		4-6		4-6		8-10+
Density:	Low		Low		Low		Low
Weed 3 Code:	RANAB						
Stage(leaves):	10+						
Height(inches):	6-12						
Density:	Medium						
Weed 4 Code:	AMBEL		AMBEL		AMBEL		AMBEL
Stage(leaves):	4-8		4-8		6-10+		4-8
Height(inches):	4-6		4-6		4-12		4-6
Density:	Low		Low		Medium		Low
Weed 5 Code:	CHEAL		CHEAL		CHEAL		CHEAL
Stage(leaves):	4-10		2-6		4-8		6-8
Height(inches):	1-3		10+		1-3		4-6
Density:	Low		Medium		Low		Medium
Weed 6 Code:	AMATA		AMATA		AMATA		AMATA
Stage(leaves):	8-16		5-8		4-14		6-10
Height(inches):	8-12		2-5		1-4		10-12
Density:	High		High		Low		High

General Evaluation of Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Weed 7 Code:	SETFA	SETFA	SETFA	SETFA	SETFA
Stage (leaves):	5-7	3-4	3-4	4-6	3-4
Height (inches):	6-10	2-5	2-5	6-10	3-5
Density:	Medium	High	High	Medium	Low
Weed 8 Code:	PANDI	PANDI	PANDI	PANDI	PANDI
Stage (leaves):	5-7	3-4	3-4	5-8	4-6
Height (inches):	8-12	2-5	2-5	8-10	2-3
Density:	Medium	Low	Low	Medium	Low

APPLICATION EQUIPMENT

	A	B	C	D	E	F	G
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI	40 PSI	40 PSI	40 PSI	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002	XR 8002	XR 8002	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT	7.5 FT	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA

NOTES:

General Evaluation of Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code
 Crop Code
 Rating Data Type
 Rating Unit
 Rating Date
 Trt-Eval Interval

GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA
 Moisture Yield Injury Injury Injury Injury Injury Injury
 Percent bu/A Percent Percent Percent Percent Percent Percent
 10-19-07 10-19-07 5-30-07 6-4-07 6-18-07 6-19-07 7-9-07 7-16-07
 0 DA-D 14 DAP 28 DAP 20 DA-D 40 DA-D 56 DAP

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
1	NONTREATED									16.3 a	4 h	0 a	0 a	0 b	0 b	0 a	0 a
2	BAS 756	5	SC	1.87	lb ai/a	3.0	pt/a	14EPP	A	14.3 cde	47 a-d	0 a	0 a	0 b	0 b	0 a	0 a
2	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A								
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
2	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	14EPP	A								
2	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
2	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
3	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	14EPP	A	14.4 cde	48 a	0 a	0 a	0 b	0 b	0 a	0 a
3	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A								
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
3	AMS	100	DRY	2.5	lb ai/a	2.5	lb/a	14EPP	A								
3	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
3	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
4	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	14.1 e	45 a-e	0 a	0 a	0 b	0 b	0 a	0 a
4	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A								
4	DPX-QER54	41.32	WG			2.5	oz/a	14EPP	A								
4	->CLASSIC	25	WG	0.0146	lb ai/a			14EPP	A								
4	->HARMONY GT XP	50	SG	0.00461	lb ai/a			14EPP	A								
4	->VALOR SX	51	WG	0.0456	lb ai/a			14EPP	A								
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
4	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
4	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	14.2 e	40 def	0 a	0 a	0 b	0 b	0 a	0 a
5	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A								
5	DPX-QER54	41.32	WG			3.5	oz/a	14EPP	A								
5	->CLASSIC	25	WG	0.02	lb ai/a			14EPP	A								
5	->HARMONY GT XP	50	SG	0.00643	lb ai/a			14EPP	A								
5	->VALOR SX	51	WG	0.0635	lb ai/a			14EPP	A								
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
5	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	14.2 e	48 ab	0 a	0 a	0 b	0 b	0 a	0 a
6	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A								
6	DPX-QER54	41.32	WG			4.5	oz/a	14EPP	A								
6	->CLASSIC	25	WG	0.0258	lb ai/a			14EPP	A								
6	->HARMONY GT XP	50	SG	0.0083	lb ai/a			14EPP	A								
6	->VALOR SX	51	WG	0.082	lb ai/a			14EPP	A								
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
6	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	14.1 e	47 abc	0 a	0 a	0 b	0 b	0 a	0 a
7	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A								
7	CANOPY	75	WG	0.1056	lb ai/a	2.25	oz/a	14EPP	A								
7	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
7	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	14.1 e	46 a-d	0 a	0 a	0 b	0 b	0 a	0 a
8	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A								
8	CANOPY	75	WG	0.1406	lb ai/a	3	oz/a	14EPP	A								
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
8	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	14.2 de	45 a-e	0 a	0 a	0 b	0 b	0 a	0 a
9	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A								
9	CANOPY	75	WG	0.1875	lb ai/a	4	oz/a	14EPP	A								
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
9	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
10	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	15.5 a-d	44 a-e	0 a	0 a	0 b	0 b	0 a	0 a
10	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A								
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
10	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
10	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								

General Evaluation of Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code
 Crop Code
 Rating Data Type
 Rating Unit
 Rating Date
 Trt-Eval Interval

GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA GLXMA
 Moisture Yield Injury Injury Injury Injury Injury Injury
 Percent bu/A Percent Percent Percent Percent Percent Percent
 10-19-07 10-19-07 5-30-07 6-4-07 6-18-07 6-19-07 7-9-07 7-16-07
 0 DA-D 14 DAP 28 DAP 20 DA-D 40 DA-D 56 DAP

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	10-19-07	10-19-07	5-30-07	6-4-07	6-18-07	6-19-07	7-9-07	7-16-07
11	PREFIX	5.28	EW	1.32	lb ai/a	2	pt/a	14EPP	A	13.9 e	43 a-e	0 a	0 a	0 b	0 b	0 a	0 a
11	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A								
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
11	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-3	G								
11	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-3	G								
12	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	14EPP	A	15.7 ab	29 g	0 a	0 a	0 b	0 b	0 a	0 a
12	AMS	100	DRY	2.0	% w/w	2	% w/w	14EPP	A								
12	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-2	D								
12	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-2	D								
13	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	16.1 a	35 fg	0 a	0 a	0 b	0 b	0 a	0 a
13	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
13	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-1	C								
13	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-1	C								
14	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	14.4 b-e	42 a-f	0 a	0 a	0 b	0 b	0 a	0 a
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
14	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-1	C								
14	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-1	C								
14	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"RG	E								
14	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"RG	E								
15	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	14.8 b-e	39 ef	0 a	0 a	2 a	2 a	0 a	0 a
15	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
15	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	V2-3	B								
15	AMS	100	DRY	2.0	% w/w	2	% w/w	V2-3	B								
16	PREFIX	5.28	EW	0.99	lb ai/a	1.5	pt/a	14EPP	A	14.4 cde	41 b-f	0 a	0 a	1 ab	1 ab	0 a	0 a
16	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A								
16	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
16	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	V2-3	B								
16	AMS	100	DRY	2.0	% w/w	2	% w/w	V2-3	B								
17	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	14.2 de	41 c-f	0 a	0 a	0 b	0 b	0 a	0 a
17	VALOR XLT	40.3	WG			3	oz/a	14EPP	A								
17	->VALOR SX	51	WG	0.056	lb ai/a			14EPP	A								
17	->CLASSIC	25	WG	0.0194	lb ai/a			14EPP	A								
17	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
17	AMS	100	DRY	2.5	lb/a	2.5	lb/a	14EPP	A								
17	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
17	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
18	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	14.3 de	41 c-f	0 a	0 a	0 b	0 b	0 a	0 a
18	AUTHORITY FIRST	70	DF	0.14	lb ai/a	3.2	oz/a	14EPP	A								
18	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
18	AMS	100	DRY	2.5	lb/a	2.5	lb/a	14EPP	A								
18	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
18	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
19	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	15.6 abc	32 g	0 a	0 a	0 b	0 b	0 a	0 a
19	AMS	100	DRY	2.0	% w/w	2	% w/w	14EPP	A								
19	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
19	AMS	100	DRY	2.0	% w/w	2	% w/w	28DAP	F								
LSD (P=.05)										1.32	6.7	0.0	0.0	1.2	1.2	0.0	0.0
Replicate F										1.771	23.643	0.000	0.000	1.979	1.979	0.000	0.000
Replicate Prob(F)										0.1851	0.0001	1.0000	1.0000	0.1529	0.1529	1.0000	1.0000
Treatment F										2.718	19.033	0.000	0.000	1.000	1.000	0.000	0.000
Treatment Prob(F)										0.0055	0.0001	1.0000	1.0000	0.4818	0.4818	1.0000	1.0000

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

General Evaluation of Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code		Crop Code		Rating Data Type		Rating Unit		Rating Date		Trt-Eval Interval		HORPU	ERICA	ERICA	ERICA	ERICA	ERICA	RANAB	RANAB
												Control	Control	Control	Control	Control	Control	Control	Control
												Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
												5-17-07	5-17-07	5-30-07	6-19-07	7-9-07	7-16-07	5-17-07	5-30-07
												-4 DAP	-4 DAP	0 DA-D	20 DA-D	40 DA-D	28 DA-F	-4 DAP	0 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code										
1	NONTREATED											0 e	0 h	0 e	0 e	0 e	0 f	0 g	0 e
2	BAS 756	5 SC		1.87	lb ai/a	3.0	pt/a	14EPP	A			72 bcd	55 g	93 abc	88 abc	96 bc	97 bcd	91 b-e	96 b
2	2,4-D LV4	3.8 EC		0.475	lb ai/a	1	pt/a	14EPP	A										
2	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	14EPP	A										
2	AMS	100 DRY		2.0	% w/w	17	lb/100 gal	14EPP	A										
2	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	28DAP	F										
2	AMS	100 DRY		2.0	lb ai/a	2	lb/a	28DAP	F										
3	CORNERSTONE	3 SL		0.75	lb ae/a	32	fl oz/a	14EPP	A			70 cd	62 d-g	90 abc	82 bcd	95 cd	96 d	87 def	90 d
3	2,4-D LV4	3.8 EC		0.475	lb ai/a	1	pt/a	14EPP	A										
3	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	14EPP	A										
3	AMS	100 DRY		2.5	lb ai/a	2.5	lb/a	14EPP	A										
3	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	28DAP	F										
3	AMS	100 DRY		2.0	lb ai/a	2	lb/a	28DAP	F										
4	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	14EPP	A			78 abc	82 abc	91 abc	88 abc	98 ab	98 abc	95 abc	99 a
4	2,4-D LV4	3.8 EC		0.475	lb ai/a	1	pt/a	14EPP	A										
4	DPX-QER54	41.32 WG				2.5	oz/a	14EPP	A										
4	->CLASSIC	25 WG		0.0146	lb ai/a			14EPP	A										
4	->HARMONY GT XP	50 SG		0.00461	lb ai/a			14EPP	A										
4	->VALOR SX	51 WG		0.0456	lb ai/a			14EPP	A										
4	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	14EPP	A										
4	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	28DAP	F										
4	AMS	100 DRY		2.0	lb ai/a	2	lb/a	28DAP	F										
5	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	14EPP	A			78 abc	78 cde	95 ab	94 ab	99 ab	99 ab	96 ab	99 a
5	2,4-D LV4	3.8 EC		0.475	lb ai/a	1	pt/a	14EPP	A										
5	DPX-QER54	41.32 WG				3.5	oz/a	14EPP	A										
5	->CLASSIC	25 WG		0.02	lb ai/a			14EPP	A										
5	->HARMONY GT XP	50 SG		0.00643	lb ai/a			14EPP	A										
5	->VALOR SX	51 WG		0.0635	lb ai/a			14EPP	A										
5	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	14EPP	A										
5	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	28DAP	F										
5	AMS	100 DRY		2.0	lb ai/a	2	lb/a	28DAP	F										
6	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	14EPP	A			90 ab	75 c-f	93 abc	83 bcd	97 abc	98 a-d	98 ab	99 a
6	2,4-D LV4	3.8 EC		0.475	lb ai/a	1	pt/a	14EPP	A										
6	DPX-QER54	41.32 WG				4.5	oz/a	14EPP	A										
6	->CLASSIC	25 WG		0.0258	lb ai/a			14EPP	A										
6	->HARMONY GT XP	50 SG		0.0083	lb ai/a			14EPP	A										
6	->VALOR SX	51 WG		0.082	lb ai/a			14EPP	A										
6	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	14EPP	A										
6	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	28DAP	F										
6	AMS	100 DRY		2.0	lb ai/a	2	lb/a	28DAP	F										
7	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	14EPP	A			72 bcd	73 c-g	93 abc	88 abc	98 abc	96 d	98 ab	99 a
7	2,4-D LV4	3.8 EC		0.475	lb ai/a	1	pt/a	14EPP	A										
7	CANOPY	75 WG		0.1056	lb ai/a	2.25	oz/a	14EPP	A										
7	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	14EPP	A										
7	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	28DAP	F										
7	AMS	100 DRY		2.0	lb ai/a	2	lb/a	28DAP	F										
8	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	14EPP	A			53 d	78 cde	97 a	96 a	99 a	99 a	95 abc	99 a
8	2,4-D LV4	3.8 EC		0.475	lb ai/a	1	pt/a	14EPP	A										
8	CANOPY	75 WG		0.1406	lb ai/a	3	oz/a	14EPP	A										
8	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	14EPP	A										
8	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	28DAP	F										
8	AMS	100 DRY		2.0	lb ai/a	2	lb/a	28DAP	F										
9	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	14EPP	A			68 cd	91 abc	99 a	98 a	99 a	99 a	99 a	99 a
9	2,4-D LV4	3.8 EC		0.475	lb ai/a	1	pt/a	14EPP	A										
9	CANOPY	75 WG		0.1875	lb ai/a	4	oz/a	14EPP	A										
9	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	14EPP	A										
9	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	28DAP	F										
9	AMS	100 DRY		2.0	lb ai/a	2	lb/a	28DAP	F										
10	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	14EPP	A			70 cd	60 efg	93 ab	90 abc	96 abc	97 cd	80 f	93 c
10	2,4-D LV4	3.8 EC		0.475	lb ai/a	1	pt/a	14EPP	A										
10	ACTIVATOR 90	100 LIQ		0.25	% v/v	0.25	% v/v	14EPP	A										
10	ROUNDUP ORIG MAX	4.5 SL		0.77	lb ae/a	22	fl oz/a	28DAP	F										
10	AMS	100 DRY		2.0	lb ai/a	2	lb/a	28DAP	F										

General Evaluation of Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code										HORPU	ERICA	ERICA	ERICA	ERICA	ERICA	ERICA	RANAB	RANAB
Crop Code										Control	Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type										Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit										5-17-07	5-17-07	5-30-07	6-19-07	7-9-07	7-16-07	5-17-07	5-30-07	5-30-07
Rating Date										-4 DAP	-4 DAP	0 DA-D	20 DA-D	40 DA-D	28 DA-F	-4 DAP	0 DA-D	0 DA-D
Trt-Eval Interval																		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code									
11	PREFIX	5.28	EW	1.32	lb ai/a	2	pt/a	14EPP	A	96 a	99 a	98 a	99 a	99 a	99 a	99 a	99 a	99 a
11	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A									
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
11	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-3	G									
11	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-3	G									
12	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	14EPP	A	57 d	57 fg	72 d	99 a	99 a	99 a	93 a-d	90 d	
12	AMS	100	DRY	2.0	% w/w	2	% w/w	14EPP	A									
12	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-2	D									
12	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-2	D									
13	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	89 ab	99 a	99 a	99 a	99 a	99 a	99 a	99 a	99 a
13	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
13	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-1	C									
13	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-1	C									
14	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	95 a	98 ab	98 a	99 a	99 a	99 a	99 a	99 a	99 a
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
14	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-1	C									
14	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-1	C									
14	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"RG	E									
14	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"RG	E									
15	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	84 abc	79 bcd	98 a	99 a	99 ab	99 a	99 a	99 a	99 a
15	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
15	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	V2-3	B									
15	AMS	100	DRY	2.0	% w/w	2	% w/w	V2-3	B									
16	PREFIX	5.28	EW	0.99	lb ai/a	1.5	pt/a	14EPP	A	85 abc	99 a	99 a	99 a	99 a	99 a	99 a	99 a	99 a
16	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A									
16	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
16	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	V2-3	B									
16	AMS	100	DRY	2.0	% w/w	2	% w/w	V2-3	B									
17	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	84 abc	78 cde	83 c	80 cd	95 cd	98 a-d	88 cde	99 a	
17	VALOR XLT	40.3	WG			3	oz/a	14EPP	A									
17	->VALOR SX	51	WG	0.056	lb ai/a			14EPP	A									
17	->CLASSIC	25	WG	0.0194	lb ai/a			14EPP	A									
17	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
17	AMS	100	DRY	2.5	lb/a	2.5	lb/a	14EPP	A									
17	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
17	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F									
18	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	81 abc	73 c-g	93 ab	88 abc	96 abc	97 cd	88 cde	99 a	
18	AUTHORITY FIRST	70	DF	0.14	lb ai/a	3.2	oz/a	14EPP	A									
18	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
18	AMS	100	DRY	2.5	lb/a	2.5	lb/a	14EPP	A									
18	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
18	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F									
19	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	68 cd	62 d-g	85 bc	75 d	92 d	93 e	85 ef	90 d	
19	AMS	100	DRY	2.0	% w/w	2	% w/w	14EPP	A									
19	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
19	AMS	100	DRY	2.0	% w/w	2	% w/w	28DAP	F									
LSD (P=.05)										18.8	18.8	9.7	12.4	3.1	1.6	7.0	2.9	
Replicate F										5.693	0.548	0.481	0.181	0.218	0.725	1.116	0.000	
Replicate Prob(F)										0.0071	0.5828	0.6219	0.8356	0.8051	0.4912	0.3386	1.0000	
Treatment F										10.425	12.153	43.175	26.566	436.345	1609.719	83.135	507.211	
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

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

General Evaluation of Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL
Crop Code					
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Date	5-17-07	5-30-07	6-19-07	7-9-07	7-16-07
Trt-Eval Interval	-4 DAP	0 DA-D	20 DA-D	40 DA-D	28 DA-F

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
1	NONTREATED										0 c	0 e	0 e	0 c	0 c
2	BAS 756	5	SC	1.87	lb ai/a	3.0	pt/a	14EPP	A	50 b	63 d	78 c	93 a	95 a	
2	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A						
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A						
2	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	14EPP	A						
2	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F						
2	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F						
3	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	14EPP	A	76 a	88 abc	83 bc	97 a	98 a	
3	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A						
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A						
3	AMS	100	DRY	2.5	lb ai/a	2.5	lb/a	14EPP	A						
3	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F						
3	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F						
4	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	99 a	99 a	99 a	
4	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A						
4	DPX-QER54	41.32	WG			2.5	oz/a	14EPP	A						
4	->CLASSIC	25	WG	0.0146	lb ai/a			14EPP	A						
4	->HARMONY GT XP	50	SG	0.00461	lb ai/a			14EPP	A						
4	->VALOR SX	51	WG	0.0456	lb ai/a			14EPP	A						
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A						
4	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F						
4	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F						
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	99 a	99 a	99 a	
5	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A						
5	DPX-QER54	41.32	WG			3.5	oz/a	14EPP	A						
5	->CLASSIC	25	WG	0.02	lb ai/a			14EPP	A						
5	->HARMONY GT XP	50	SG	0.00643	lb ai/a			14EPP	A						
5	->VALOR SX	51	WG	0.0635	lb ai/a			14EPP	A						
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A						
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F						
5	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F						
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	99 a	99 a	98 a	
6	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A						
6	DPX-QER54	41.32	WG			4.5	oz/a	14EPP	A						
6	->CLASSIC	25	WG	0.0258	lb ai/a			14EPP	A						
6	->HARMONY GT XP	50	SG	0.0083	lb ai/a			14EPP	A						
6	->VALOR SX	51	WG	0.082	lb ai/a			14EPP	A						
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A						
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F						
6	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F						
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	98 a	98 ab	96 ab	98 a	99 a	
7	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A						
7	CANOPY	75	WG	0.1056	lb ai/a	2.25	oz/a	14EPP	A						
7	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A						
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F						
7	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F						
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	99 a	99 a	99 a	
8	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A						
8	CANOPY	75	WG	0.1406	lb ai/a	3	oz/a	14EPP	A						
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A						
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F						
8	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F						
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	99 a	99 a	99 a	
9	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A						
9	CANOPY	75	WG	0.1875	lb ai/a	4	oz/a	14EPP	A						
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A						
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F						
9	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F						
10	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	98 ab	96 ab	98 a	98 a	
10	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A						
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A						
10	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F						
10	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F						

General Evaluation of Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL
Crop Code					
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Date	5-17-07	5-30-07	6-19-07	7-9-07	7-16-07
Trt-Eval Interval	-4 DAP	0 DA-D	20 DA-D	40 DA-D	28 DA-F

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	99 a	99 a	99 a	99 a	99 a
11	PREFIX	5.28	EW	1.32	lb ai/a	2	pt/a	14EPP	A					
11	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A					
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
11	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-3	G					
11	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-3	G					
12	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	14EPP	A	94 a	80 bcd	99 a	98 a	98 a
12	AMS	100	DRY	2.0	% w/w	2	% w/w	14EPP	A					
12	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-2	D					
12	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-2	D					
13	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	99 a	99 a	99 a	99 a	99 a
13	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
13	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-1	C					
13	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-1	C					
14	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	99 a	98 ab	99 a	99 a	99 a
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
14	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-1	C					
14	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-1	C					
14	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"RG	E					
14	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"RG	E					
15	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	99 a	98 ab	99 a	99 a	99 a
15	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
15	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	V2-3	B					
15	AMS	100	DRY	2.0	% w/w	2	% w/w	V2-3	B					
16	PREFIX	5.28	EW	0.99	lb ai/a	1.5	pt/a	14EPP	A	99 a	96 ab	99 a	99 a	99 a
16	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A					
16	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
16	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	V2-3	B					
16	AMS	100	DRY	2.0	% w/w	2	% w/w	V2-3	B					
17	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	99 a	99 a	99 a
17	VALOR XLT	40.3	WG			3	oz/a	14EPP	A					
17	->VALOR SX	51	WG	0.056	lb ai/a			14EPP	A					
17	->CLASSIC	25	WG	0.0194	lb ai/a			14EPP	A					
17	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
17	AMS	100	DRY	2.5	lb/a	2.5	lb/a	14EPP	A					
17	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
17	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
18	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	98 a	99 a	99 a
18	AUTHORITY FIRST	70	DF	0.14	lb ai/a	3.2	oz/a	14EPP	A					
18	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
18	AMS	100	DRY	2.5	lb/a	2.5	lb/a	14EPP	A					
18	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
18	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
19	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	83 a	70 cd	60 d	73 b	78 b
19	AMS	100	DRY	2.0	% w/w	2	% w/w	14EPP	A					
19	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
19	AMS	100	DRY	2.0	% w/w	2	% w/w	28DAP	F					

LSD (P=.05)	24.1	18.5	13.6	6.1	6.0
Replicate F	0.461	3.156	3.405	2.435	2.190
Replicate Prob(F)	0.6343	0.0546	0.0442	0.1019	0.1266
Treatment F	8.664	13.571	25.338	115.206	118.068
Treatment Prob(F)	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 Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	CHEAL	CHEAL	CHEAL	CHEAL	CHEAL
Crop Code					
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Date	5-17-07	5-30-07	6-19-07	7-9-07	7-16-07
Trt-Eval Interval	-4 DAP	0 DA-D	20 DA-D	40 DA-D	28 DA-F

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code					
1	NONTREATED									0 c	0 c	0 d	0 e	0 d
2	BAS 756	5	SC	1.87	lb ai/a	3.0	pt/a	14EPP	A	99 a	99 a	96 a	95 a	96 ab
2	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A					
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
2	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	14EPP	A					
2	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
2	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
3	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	14EPP	A	66 b	50 b	73 c	92 ab	95 ab
3	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A					
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
3	AMS	100	DRY	2.5	lb ai/a	2.5	lb/a	14EPP	A					
3	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
3	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
4	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	98 a	98 a	98 a	98 a
4	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A					
4	DPX-QER54	41.32	WG			2.5	oz/a	14EPP	A					
4	->CLASSIC	25	WG	0.0146	lb ai/a			14EPP	A					
4	->HARMONY GT XP	50	SG	0.00461	lb ai/a			14EPP	A					
4	->VALOR SX	51	WG	0.0456	lb ai/a			14EPP	A					
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
4	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
4	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	99 a	97 a	98 a
5	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A					
5	DPX-QER54	41.32	WG			3.5	oz/a	14EPP	A					
5	->CLASSIC	25	WG	0.02	lb ai/a			14EPP	A					
5	->HARMONY GT XP	50	SG	0.00643	lb ai/a			14EPP	A					
5	->VALOR SX	51	WG	0.0635	lb ai/a			14EPP	A					
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
5	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	99 a	97 a	98 a
6	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A					
6	DPX-QER54	41.32	WG			4.5	oz/a	14EPP	A					
6	->CLASSIC	25	WG	0.0258	lb ai/a			14EPP	A					
6	->HARMONY GT XP	50	SG	0.0083	lb ai/a			14EPP	A					
6	->VALOR SX	51	WG	0.082	lb ai/a			14EPP	A					
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
6	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	98 a	99 a	99 a
7	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A					
7	CANOPY	75	WG	0.1056	lb ai/a	2.25	oz/a	14EPP	A					
7	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
7	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	99 a	99 a	99 a
8	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A					
8	CANOPY	75	WG	0.1406	lb ai/a	3	oz/a	14EPP	A					
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
8	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	99 a	99 a	99 a
9	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A					
9	CANOPY	75	WG	0.1875	lb ai/a	4	oz/a	14EPP	A					
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
9	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
10	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	92 a	83 b	87 bc	85 bc
10	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A					
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
10	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
10	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					

General Evaluation of Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	CHEAL	CHEAL	CHEAL	CHEAL	CHEAL
Crop Code					
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Date	5-17-07	5-30-07	6-19-07	7-9-07	7-16-07
Trt-Eval Interval	-4 DAP	0 DA-D	20 DA-D	40 DA-D	28 DA-F

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code					
11	PREFIX	5.28	EW	1.32	lb ai/a	2	pt/a	14EPP	A	99 a	92 a	99 a	96 a	97 a
11	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A					
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
11	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-3	G					
11	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-3	G					
12	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	14EPP	A	0 c	0 c	99 a	87 bc	88 abc
12	AMS	100	DRY	2.0	% w/w	2	% w/w	14EPP	A					
12	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-2	D					
12	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-2	D					
13	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	99 a	96 a	96 a	83 cd	78 c
13	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
13	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-1	C					
13	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-1	C					
14	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	83 ab	78 a	97 a	97 a	97 a
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
14	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-1	C					
14	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-1	C					
14	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"RG	E					
14	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"RG	E					
15	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	99 a	97 a	98 a	95 a	96 ab
15	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
15	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	V2-3	B					
15	AMS	100	DRY	2.0	% w/w	2	% w/w	V2-3	B					
16	PREFIX	5.28	EW	0.99	lb ai/a	1.5	pt/a	14EPP	A	98 a	82 a	98 a	96 a	97 a
16	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A					
16	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
16	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	V2-3	B					
16	AMS	100	DRY	2.0	% w/w	2	% w/w	V2-3	B					
17	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	98 a	97 a	98 a
17	VALOR XLT	40.3	WG			3	oz/a	14EPP	A					
17	->VALOR SX	51	WG	0.056	lb ai/a			14EPP	A					
17	->CLASSIC	25	WG	0.0194	lb ai/a			14EPP	A					
17	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
17	AMS	100	DRY	2.5	lb/a	2.5	lb/a	14EPP	A					
17	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
17	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
18	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	98 a	99 a	99 a
18	AUTHORITY FIRST	70	DF	0.14	lb ai/a	3.2	oz/a	14EPP	A					
18	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A					
18	AMS	100	DRY	2.5	lb/a	2.5	lb/a	14EPP	A					
18	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
18	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F					
19	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	0 c	0 c	0 d	78 d	78 c
19	AMS	100	DRY	2.0	% w/w	2	% w/w	14EPP	A					
19	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F					
19	AMS	100	DRY	2.0	% w/w	2	% w/w	28DAP	F					
LSD (P=.05)										24.5	22.7	9.3	7.3	11.8
Replicate F										0.541	0.513	1.932	3.338	2.341
Replicate Prob(F)										0.5868	0.6027	0.1595	0.0468	0.1107
Treatment F										18.513	21.244	91.091	76.404	29.916
Treatment Prob(F)										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 Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	AMATA	AMATA	AMATA	AMATA	AMATA	GGGAN	GGGAN	GGGAN
Crop Code	Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	5-17-07	5-30-07	6-19-07	7-9-07	7-16-07	6-19-07	7-9-07	7-16-07
Rating Date	-4 DAP	0 DA-D	20 DA-D	40 DA-D	28 DA-F	20 DA-D	40 DA-D	28 DA-F
Trt-Eval Interval								

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code									
1	NONTREATED										0 d	0 g	77 abc	78 ef	0 g	23 c	0 c	0 f
2	BAS 756	5	SC	1.87	lb ai/a	3.0	pt/a	14EPP	A	96 b	60 b-e	65 bcd	94 abc	93 abc	27 c	98 a	98 ab	
2	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A									
2	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
2	AMS	100	DRY	2.0	% w/w	17	lb/100 gal	14EPP	A									
2	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
2	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F									
3	CORNERSTONE	3	SL	0.75	lb ae/a	32	fl oz/a	14EPP	A	0 d	0 g	53 c-g	95 ab	95 abc	55 b	98 a	98 ab	
3	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A									
3	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
3	AMS	100	DRY	2.5	lb ai/a	2.5	lb/a	14EPP	A									
3	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
3	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F									
4	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	72 abc	52 c-g	93 abc	92 abc	95 a	98 a	98 ab	
4	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A									
4	DPX-QER54	41.32	WG			2.5	oz/a	14EPP	A									
4	->CLASSIC	25	WG	0.0146	lb ai/a			14EPP	A									
4	->HARMONY GT XP	50	SG	0.00461	lb ai/a			14EPP	A									
4	->VALOR SX	51	WG	0.0456	lb ai/a			14EPP	A									
4	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
4	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
4	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F									
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	93 a	60 c-f	97 a	97 abc	81 a	97 a	96 cd	
5	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A									
5	DPX-QER54	41.32	WG			3.5	oz/a	14EPP	A									
5	->CLASSIC	25	WG	0.02	lb ai/a			14EPP	A									
5	->HARMONY GT XP	50	SG	0.00643	lb ai/a			14EPP	A									
5	->VALOR SX	51	WG	0.0635	lb ai/a			14EPP	A									
5	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
5	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
5	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F									
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	93 a	75 abc	96 a	97 abc	99 a	98 a	98 ab	
6	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A									
6	DPX-QER54	41.32	WG			4.5	oz/a	14EPP	A									
6	->CLASSIC	25	WG	0.0258	lb ai/a			14EPP	A									
6	->HARMONY GT XP	50	SG	0.0083	lb ai/a			14EPP	A									
6	->VALOR SX	51	WG	0.082	lb ai/a			14EPP	A									
6	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
6	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
6	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F									
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	48 cde	30 gh	83 def	83 cd	86 a	98 a	98 ab	
7	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A									
7	CANOPY	75	WG	0.1056	lb ai/a	2.25	oz/a	14EPP	A									
7	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
7	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
7	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F									
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	68 a-d	37 e-h	85 c-f	83 bcd	89 a	98 a	98 ab	
8	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A									
8	CANOPY	75	WG	0.1406	lb ai/a	3	oz/a	14EPP	A									
8	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
8	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
8	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F									
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	37 def	15 h	86 b-e	88 abc	79 a	98 a	98 ab	
9	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A									
9	CANOPY	75	WG	0.1875	lb ai/a	4	oz/a	14EPP	A									
9	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
9	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
9	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F									
10	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	30 efg	43 d-g	86 b-e	85 a-d	20 c	97 a	97 bc	
10	2,4-D LV4	3.8	EC	0.475	lb ai/a	1	pt/a	14EPP	A									
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A									
10	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F									
10	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F									

General Evaluation of Spring Burndown Programs for Soybean.

Project Code: 07-1-ME70 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	AMATA	AMATA	AMATA	AMATA	AMATA	GGGAN	GGGAN	GGGAN
Crop Code								
Rating Data Type	Control	Control	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	5-17-07	5-30-07	6-19-07	7-9-07	7-16-07	6-19-07	7-9-07	7-16-07
Trt-Eval Interval	-4 DAP	0 DA-D	20 DA-D	40 DA-D	28 DA-F	20 DA-D	40 DA-D	28 DA-F

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
11	PREFIX	5.28	EW	1.32	lb ai/a	2	pt/a	14EPP	A	99 a	99 a	99 a	98 a	98 ab	99 a	97 a	98 ab
11	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A								
11	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
11	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-3	G								
11	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-3	G								
12	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	14EPP	A	99 a	70 abc	96 a	55 h	42 f	99 a	94 b	95 e
12	AMS	100	DRY	2.0	% w/w	2	% w/w	14EPP	A								
12	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-2	D								
12	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-2	D								
13	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	3 c	7 fg	96 a	67 g	57 e	98 a	93 b	96 de
13	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
13	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-1	C								
13	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-1	C								
14	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	0 d	0 g	95 a	96 a	96 abc	99 a	98 a	98 ab
14	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
14	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"W-1	C								
14	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"W-1	C								
14	TOUCHDOWN TOTAL	4.17	SC	0.78	lb ae/a	24	fl oz/a	2-4"RG	E								
14	AMS	100	DRY	2.0	% w/w	2	% w/w	2-4"RG	E								
15	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A	0 d	0 g	92 a	90 a-d	85 a-d	99 a	98 a	98 ab
15	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
15	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	V2-3	B								
15	AMS	100	DRY	2.0	% w/w	2	% w/w	V2-3	B								
16	PREFIX	5.28	EW	0.99	lb ai/a	1.5	pt/a	14EPP	A	99 a	91 ab	99 a	97 a	97 ab	99 a	98 a	98 ab
16	GRAMOXONE INTEON	2	SL	0.625	lb ai/a	2.5	pt/a	14EPP	A								
16	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
16	SEQUENCE	5.25	EW	1.64	lb ai/a	2.5	pt/a	V2-3	B								
16	AMS	100	DRY	2.0	% w/w	2	% w/w	V2-3	B								
17	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	85 ab	62 cde	93 abc	93 abc	98 a	98 a	98 ab
17	VALOR XLT	40.3	WG			3	oz/a	14EPP	A								
17	->VALOR SX	51	WG	0.056	lb ai/a			14EPP	A								
17	->CLASSIC	25	WG	0.0194	lb ai/a			14EPP	A								
17	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
17	AMS	100	DRY	2.5	lb/a	2.5	lb/a	14EPP	A								
17	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
17	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
18	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	99 a	99 a	92 ab	99 a	98 a	95 a	99 a	99 a
18	AUTHORITY FIRST	70	DF	0.14	lb ai/a	3.2	oz/a	14EPP	A								
18	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	14EPP	A								
18	AMS	100	DRY	2.5	lb/a	2.5	lb/a	14EPP	A								
18	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
18	AMS	100	DRY	2.0	lb ai/a	2	lb/a	28DAP	F								
19	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	14EPP	A	0 d	0 g	33 fgh	77 f	72 d	7 c	98 a	97 bc
19	AMS	100	DRY	2.0	% w/w	2	% w/w	14EPP	A								
19	ROUNDUP ORIG MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	28DAP	F								
19	AMS	100	DRY	2.0	% w/w	2	% w/w	28DAP	F								

LSD (P=.05)	2.9	32.4	26.8	9.1	14.5	22.5	2.0	1.3
Replicate F	1.540	0.761	0.540	0.305	0.465	2.503	1.122	0.880
Replicate Prob(F)	0.2282	0.4747	0.5874	0.7393	0.6318	0.0960	0.3367	0.4235
Treatment F	2138.398	11.985	8.268	13.314	23.902	16.817	992.149	2432.089
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

Trial Comments

1. Protocol: BASF, DuPont, FMC, Syngenta (059X), Valent.
2. Ratings: CI 14, 28, + 56 DAP; WC prior to planting, 28 DAP and 28 DA"F"; Also rate CI/WC at "D" timing and 20 and 40-50 DA"D".
3. Yield.
4. DAP = Days after planting. DA-D = Days after 2-4"W-2 application. DA-F = Days after 28DAP application. Ratings at -4 DAP are prior to planting.
5. GGGAN = Annual grasses including SETFA and PANDI.
6. Harvested 10-19-07, (2) 30 inch rows by 25 feet.