

Grass and Broadleaf Management in Winter Wheat.

Project Code: 07-1-MW40 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 broadleaf and grass efficacy and crop response of Axial alone and tank-mixed with broadleaf herbicides.

Weed Code	Common Name	Scientific Name
1. POAAN	bluegrass, annual	Poa annua L.
2. LAMAM	henbit	Lamium amplexicaule L.
3. STEME	chickweed, common	Stellaria media (L.) Vill.
4. ALOCA	foxtail, Carolina	Alopecurus carolinianus Walt.
5. HORPU	barley, little	Hordeum pusillum Nutt.
6. RANAB	buttercup, smallflower	Ranunculus abortivus L.

Crop 1: TRZAW wheat, winter Variety: P25R78
Planting Method: Seeded Planting Date: 10-25-06
Rate: 1.3 mil. S/A Depth: 1.0 IN
Row Spacing: 7.5 IN

Crop 2: GLXMA soybean Variety: See comments
Planting Method: Seeded Planting Date: 6-24-07
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:

wheat: N 30 LB/A applied on 10-25-06 and N 85 LB/A applied on 1-30-07.
soybean: 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

Application Date: 11-13-06
Time of Day: 14:00
Application Method: Spray
Application Timing: 1-3"GR
Applic. Placement: BROFOL
Air Temp., Unit: 57 F
% Relative Humidity: 70
Wind Velocity, Unit: 3 MPH
Soil Moisture: ABONOR

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: TRZAW F1
Height, Unit: 1 IN
Crop 2 Code, Stage: GLXMA NA
Height, Unit: NA NA

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code: POAAN
Stage(leaves): 1-3
Height(inches): 1-2
Density: Medium

Weed 2 Code: LAMAM
Stage(leaves): 2-4
Height(inches): 1-2
Density: Medium

Weed 3 Code: STEME
Stage(leaves): 2-6
Height(inches): 0-1
Density: Low

APPLICATION EQUIPMENT

A

Appl. Equipment: CO2 sprayer
Operating Pressure: 40 PSI
Nozzle Type: Flat fan
Nozzle Size: XR 8002
Boom Length, Unit: 7.5 FT
Spray Volume, Unit: 15 GPA

NOTES:

Grass and Broadleaf Management in Winter Wheat.

Project Code: 07-1-MW40 Location: Belleville Research Center
 Investigator: Bryan Young

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

TRZAW TRZAW TRZAW TRZAW TRZAW TRZAW TRZAW
 Moisture Test wt. Yield Injury Injury Injury Injury
 Percent lb/bu bu/A Percent Percent Percent Percent
 6-22-07 6-22-07 6-22-07 11-20-06 11-27-06 12-4-06 12-25-06
 7 DA-A 14 DA-A 21 DA-A 42 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	TRZAW Moisture Percent	TRZAW Test wt. lb/bu	TRZAW Yield bu/A	TRZAW Injury Percent	TRZAW Injury Percent	TRZAW Injury Percent	TRZAW Injury Percent
1	NONTREATED									12.6 abc	55.9 a	38 d	0 a	0 a	0 a	0 a
2	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"GR	A	13.4 a	55.1 a	42 cd	0 a	0 a	0 a	0 a
2	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"GR	A							
3	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"GR	A	12.0 bc	55.4 a	53 a-d	0 a	0 a	0 a	0 a
3	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A							
3	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"GR	A							
4	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"GR	A	11.8 c	56.3 a	56 abc	0 a	0 a	0 a	0 a
4	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"GR	A							
4	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"GR	A							
5	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"GR	A	12.2 bc	55.9 a	55 abc	0 a	0 a	0 a	0 a
5	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A							
5	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A							
6	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"GR	A	12.1 bc	56.2 a	63 ab	0 a	0 a	0 a	0 a
6	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A							
6	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A							
6	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A							
7	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"GR	A	12.1 bc	56.3 a	54 a-d	0 a	0 a	0 a	0 a
7	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"GR	A							
7	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A							
7	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A							
8	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"GR	A	12.7 ab	56.4 a	40 cd	0 a	0 a	0 a	0 a
9	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"GR	A	12.0 bc	56.6 a	53 a-d	0 a	0 a	0 a	0 a
9	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A							
10	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"GR	A	12.8 ab	55.8 a	50 bcd	0 a	0 a	0 a	0 a
10	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"GR	A							
11	OLYMPUS FLEX	11.25	WG	0.0246	lb ai/a	3.5	oz/a	1-3"GR	A	12.0 bc	56.9 a	54 a-d	0 a	0 a	0 a	0 a
11	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A							
11	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A							
12	OLYMPUS FLEX	11.25	WG	0.0246	lb ai/a	3.5	oz/a	1-3"GR	A	12.1 bc	56.3 a	67 a	0 a	0 a	0 a	0 a
12	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A							
12	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A							
12	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A							
LSD (P=.05)										0.91	2.41	16.2	0.0	0.0	0.0	0.0
Replicate F										7.863	2.252	0.408	0.000	0.000	0.000	0.000
Replicate Prob(F)										0.0027	0.1289	0.6701	1.0000	1.0000	1.0000	1.0000
Treatment F										2.276	0.365	2.410	0.000	0.000	0.000	0.000
Treatment Prob(F)										0.0484	0.9566	0.0380	1.0000	1.0000	1.0000	1.0000

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

Grass and Broadleaf Management in Winter Wheat.

Project Code: 07-1-MW40 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code	RR	RR	RR/STS	RR/STS	GLXMA	GLXMA
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type	Moisture	Yield	Moisture	Yield	Injury	Injury
Rating Unit	Percent	bu/A	Percent	bu/A	Percent	Percent
Rating Date	10-30-07	10-30-07	10-30-07	10-30-07	7-17-07	8-8-07
Trt-Eval Interval					21 DAP	42 DAP

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	RR	RR	RR/STS	RR/STS	GLXMA	GLXMA
1	NONTREATED									12.7 ab	41 a	12.9 ab	37 a	0 a	0 a
2	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"GR	A	12.6 ab	37 a	13.1 ab	33 a	0 a	0 a
2	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"GR	A						
3	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"GR	A	12.7 ab	36 a	12.9 ab	36 a	0 a	0 a
3	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A						
3	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"GR	A						
4	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"GR	A	12.6 ab	36 a	12.8 ab	38 a	0 a	0 a
4	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"GR	A						
4	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"GR	A						
5	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"GR	A	12.7 ab	45 a	12.8 b	39 a	0 a	0 a
5	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A						
5	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A						
6	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"GR	A	12.6 ab	40 a	13.1 a	34 a	0 a	0 a
6	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A						
6	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A						
6	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A						
7	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"GR	A	12.6 ab	43 a	13.0 ab	41 a	0 a	0 a
7	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"GR	A						
7	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A						
7	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A						
8	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"GR	A	12.7 ab	41 a	13.0 ab	32 a	0 a	0 a
9	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"GR	A	12.4 b	42 a	12.8 b	39 a	0 a	0 a
9	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A						
10	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"GR	A	12.8 a	38 a	13.1 a	35 a	0 a	0 a
10	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"GR	A						
11	OLYMPUS FLEX	11.25	WG	0.0246	lb ai/a	3.5	oz/a	1-3"GR	A	12.7 ab	40 a	13.1 a	39 a	0 a	0 a
11	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A						
11	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A						
12	OLYMPUS FLEX	11.25	WG	0.0246	lb ai/a	3.5	oz/a	1-3"GR	A	12.6 ab	38 a	12.9 ab	33 a	0 a	0 a
12	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A						
12	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A						
12	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A						
LSD (P=.05)										0.30	11.6	0.29	11.3	0.0	0.0
Replicate F										2.393	3.578	0.000	0.667	0.000	0.000
Replicate Prob(F)										0.1147	0.0451	1.0000	0.5232	1.0000	1.0000
Treatment F										0.813	0.494	1.415	0.571	0.000	0.000
Treatment Prob(F)										0.6282	0.8868	0.2346	0.8317	1.0000	1.0000

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

Grass and Broadleaf Management in Winter Wheat.

Project Code: 07-1-MW40 Location: Belleville Research Center
 Investigator: Bryan Young

Weed Code				POAAN	POAAN	POAAN	LAMAM	LAMAM	LAMAM
Crop Code				Control	Control	Control	Control	Control	Control
Rating Data Type				Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit				12-4-06	12-25-06	5-1-07	12-4-06	12-25-06	5-1-07
Rating Date				21 DA-A	42 DA-A	169 DA-A	21 DA-A	42 DA-A	169 DA-A
Trt-Eval Interval									
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code
1	NONTREATED								
2	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"GR	A
2	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"GR	A
3	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"GR	A
3	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A
3	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"GR	A
4	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"GR	A
4	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"GR	A
4	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"GR	A
5	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"GR	A
5	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A
5	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A
6	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"GR	A
6	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A
6	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A
6	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A
7	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"GR	A
7	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"GR	A
7	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A
7	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A
8	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"GR	A
9	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"GR	A
9	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A
10	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"GR	A
10	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"GR	A
11	OLYMPUS FLEX	11.25	WG	0.0246	lb ai/a	3.5	oz/a	1-3"GR	A
11	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A
11	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A
12	OLYMPUS FLEX	11.25	WG	0.0246	lb ai/a	3.5	oz/a	1-3"GR	A
12	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"GR	A
12	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"GR	A
12	AMS	100	DRY	3	lb/a	3	lb/a	1-3"GR	A
LSD (P=.05)									
				0.0	30.5	19.2	0.0	23.7	36.0
Replicate F				0.000	0.105	0.898	0.000	1.496	2.194
Replicate Prob(F)				1.0000	0.9010	0.4217	1.0000	0.2459	0.1353
Treatment F				0.000	10.718	19.493	0.000	19.342	6.015
Treatment Prob(F)				1.0000	0.0001	0.0001	1.0000	0.0001	0.0002

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

Grass and Broadleaf Management in Winter Wheat.

Project Code: 07-1-MW40 Location: Belleville Research Center
 Investigator: Bryan Young

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	STEME 21 DA-A	STEME 42 DA-A	STEME 169 DA-A	ALOCA 169 DA-A	HORPU 169 DA-A	RANAB 169 DA-A
1	NONTREATED									0 a	0 c	0 b	0 c	0 e	0 c
2	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"	GR A	0 a	0 c	33 b	99 a	80 ab	0 c
2	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"	GR A						
3	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"	GR A	0 a	75 b	96 a	99 a	50 bcd	99 a
3	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"	GR A						
3	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"	GR A						
4	AXIAL	0.83	EC	0.053	lb ai/a	8.2	fl oz/a	1-3"	GR A	0 a	67 b	87 a	98 b	99 a	99 a
4	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"	GR A						
4	ADIGOR	100	L	9.6	fl oz/a	9.6	fl oz/a	1-3"	GR A						
5	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"	GR A	0 a	67 b	0 b	99 a	83 ab	99 a
5	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"	GR A						
5	AMS	100	DRY	3	lb/a	3	lb/a	1-3"	GR A						
6	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"	GR A	0 a	90 a	99 a	99 a	99 a	99 a
6	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"	GR A						
6	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"	GR A						
6	AMS	100	DRY	3	lb/a	3	lb/a	1-3"	GR A						
7	OSPREY	4.5	WG	0.0134	lb ai/a	4.76	oz/a	1-3"	GR A	0 a	80 ab	87 a	99 a	17 de	99 a
7	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"	GR A						
7	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"	GR A						
7	AMS	100	DRY	3	lb/a	3	lb/a	1-3"	GR A						
8	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"	GR A	0 a	0 c	0 b	99 a	57 bc	0 c
9	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"	GR A	0 a	67 b	80 a	99 a	33 cde	83 b
9	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"	GR A						
10	HOELON	3	EC	1	lb ai/a	2.66	pt/a	1-3"	GR A	0 a	80 ab	30 b	99 a	66 abc	99 a
10	PEAK	57	WG	0.0089	lb ai/a	0.25	oz/a	1-3"	GR A						
11	OLYMPUS FLEX	11.25	WG	0.0246	lb ai/a	3.5	oz/a	1-3"	GR A	0 a	75 b	75 a	99 a	70 ab	99 a
11	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"	GR A						
11	AMS	100	DRY	3	lb/a	3	lb/a	1-3"	GR A						
12	OLYMPUS FLEX	11.25	WG	0.0246	lb ai/a	3.5	oz/a	1-3"	GR A	0 a	90 a	99 a	99 a	96 a	99 a
12	HARMONY EXTRA XP	75	WG	0.0187	lb ai/a	0.4	oz/a	1-3"	GR A						
12	ACTIVATOR 90	100	LIQ	0.5	% v/v	0.5	% v/v	1-3"	GR A						
12	AMS	100	DRY	3	lb/a	3	lb/a	1-3"	GR A						
LSD (P=.05)										0.0	13.5	36.4	1.1	36.0	13.8
Replicate F										0.000	1.215	3.433	1.000	3.842	1.000
Replicate Prob(F)										1.0000	0.3159	0.0504	0.3840	0.0371	0.3840
Treatment F										0.000	59.785	11.036	5500.563	6.989	87.870
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)

Trial Comments

1. Protocol: Syngenta, Bayer (MD1).
2. Ratings: CI 7, 14, 21, and 42 DAT. WC 21 and 42 DAT and at harvest.
3. Yield data for wheat.
4. Split treatment plots and recrop to conventional and STS soybean.
Record soybean injury at 21 and 42 DAP.
5. DA-A = Days after 1-3"GR application. Ratings at harvest are the same as ratings on May 1.
By May 1 LAMAN was dying in all plots.
6. Wheat harvested 6-22-07, (7) 7.5 inch rows by 25 ft.
7. DAP = Days after soybean planting.
8. For soybean harvest; RR = Asgrow 4403 RR, RR/STS = Asgrow 4404 RR/STS.
9. Soybean harvested 10-30-07, (1) 30 inch row by 25 ft.