

Project Code: 04-2B-MW30 Location: Belleville Reseach Center
 Investigator: Bryan Young

Investigator: Bryan Young, Associate Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA
 Trial Status: Final Updated: 8-31-04

Objective:

Evaluate V-10137 versus Select for control of grasses in soybeans.

Weed Code	Common Name	Scientific Name
1.	GGGAN grasses, annual	
2.	AMATA waterhemp, common	Amaranthus rudis Sauer
3.	AMBEL ragweed, common	Ambrosia artemisiifolia L.
4.	IPOSS morningglory, species	Ipomoea sp.
5.	SETFA foxtail, giant	Setaria faberi Herrm.
6.	PANDI panicum, fall	Panicum dichotomiflorum Michx.

Crop 1: GLXMA soybean Variety: Asgrow 4403 RR
 Planting Method: Seeded Planting Date: 6-7-04
 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: Reduced-Till Study Design: Randomized complete block
 Previous Crop, Year: GLXMA, 2003

Field Prep./Maintenance: N 0 LB/A, P2O5 50 LB/A, K2O 100 LB/A

Soil Name: Weir % OM: 1.6 pH: 6.1 CEC: 8
 Texture: Silt loam Fert. Level: P1: 91 LB/A, K: 410 LB/A

APPLICATION DESCRIPTION

A
 Application Date: 7-8-04
 Time of Day: 13:00
 Application Method: Spray
 Application Timing: 4-6"W
 Applic. Placement: BROFOL
 Air Temp., Unit: 76 F
 % Relative Humidity: 44
 Wind Velocity, Unit: 8-10 MPH
 Soil Moisture: ABONOR

CROP STAGE AT EACH APPLICATION

A
 Crop 1 Code, Stage: GLXMA V3-V4
 Height, Unit: 8-10 IN

WEED STAGE AT EACH APPLICATION

A
 Weed 1 Code: GGGAN
 Stage(leaves): 5-8
 Height(inches): 6-8
 Density: Low
 Weed 2 Code: AMATA
 Stage(leaves): 5-11
 Height(inches): 4-6
 Density: Medium
 Weed 3 Code: AMBEL
 Stage(leaves): 6-8
 Height(inches): 4-6
 Density: Medium
 Weed 4 Code: IPOSS
 Stage(leaves): 2-8
 Height(inches): 2-5
 Density: Medium

APPLICATION EQUIPMENT

A
 Appl. Equipment: CO2 sprayer
 Operating Pressure: 40 PSI
 Nozzle Type: Flat fan
 Nozzle Size: 8002
 Boom Length, Unit: 7.5 FT
 Spray Volume, Unit: 20 GPA

NOTES:

Southern Illinois University

V-10137 Versus Select in Soybean.

Project Code: 04-2B-MW30 Location: Belleville Reseach Center
 Investigator: Bryan Young

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	GLXMA Injury Percent 7-15-04 7 DA-A	GLXMA Injury Percent 7-22-04 14 DA-A	GLXMA Injury Percent 8-5-04 28 DA-A	GGGAN Control Percent 7-15-04 7 DA-A	GGGAN Control Percent 7-22-04 14 DA-A	GGGAN Control Percent 8-5-04 28 DA-A	AMATA Control Percent 7-15-04 7 DA-A	AMATA Control Percent 7-22-04 14 DA-A	AMATA Control Percent 8-5-04 28 DA-A	AMBEL Control Percent 7-15-04 7 DA-A	AMBEL Control Percent 7-22-04 14 DA-A	AMBEL Control Percent 8-5-04 28 DA-A	IPOSS Control Percent 7-15-04 7 DA-A	IPOSS Control Percent 7-22-04 14 DA-A	IPOSS Control Percent 8-5-04 28 DA-A
-----------	-----------	------------------	-------------	-------------	-------------------	---	--	---	--	---	--	--	---	--	--	---	--	--	---	--

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	GLXMA Injury Percent 7-15-04 7 DA-A	GLXMA Injury Percent 7-22-04 14 DA-A	GLXMA Injury Percent 8-5-04 28 DA-A	GGGAN Control Percent 7-15-04 7 DA-A	GGGAN Control Percent 7-22-04 14 DA-A	GGGAN Control Percent 8-5-04 28 DA-A	AMATA Control Percent 7-15-04 7 DA-A	AMATA Control Percent 7-22-04 14 DA-A	AMATA Control Percent 8-5-04 28 DA-A	AMBEL Control Percent 7-15-04 7 DA-A	AMBEL Control Percent 7-22-04 14 DA-A	AMBEL Control Percent 8-5-04 28 DA-A	IPOSS Control Percent 7-15-04 7 DA-A	IPOSS Control Percent 7-22-04 14 DA-A	IPOSS Control Percent 8-5-04 28 DA-A
1	NONTREATED									0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	COBRA	2	EC	0.187	LB A/A	12	FL OZ/A	4-6"	W A	39	25	17	96	98	80	99	97	91	99	99	99	99	93	95
2	SELECT	2	EC	0.094	LB A/A	6	FL OZ/A	4-6"	W A															
2	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"	W A															
2	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	4-6"	W A															
2	AMS	100	DRY	2.5	LB A/A	2.5	LB/A	4-6"	W A															
3	COBRA	2	EC	0.187	LB A/A	12	FL OZ/A	4-6"	W A	40	23	12	94	97	85	99	96	91	99	99	99	99	93	99
3	V-10137	1	EC	0.094	LB A/A	12	FL OZ/A	4-6"	W A															
3	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"	W A															
3	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	4-6"	W A															
3	AMS	100	DRY	2.5	LB A/A	2.5	LB/A	4-6"	W A															
4	COBRA	2	EC	0.187	LB A/A	12	FL OZ/A	4-6"	W A	37	24	9	92	95	77	99	97	91	99	99	99	99	92	93
4	V-10137	1	EC	0.094	LB A/A	12	FL OZ/A	4-6"	W A															
4	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"	W A															
4	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	% V/V	4-6"	W A															
4	AMS	100	DRY	2.5	LB A/A	2.5	LB/A	4-6"	W A															
5	COBRA	2	EC	0.187	LB A/A	12	FL OZ/A	4-6"	W A	39	28	12	93	85	53	99	99	99	99	99	99	99	86	98
5	SELECT	2	EC	0.0312	LB A/A	2	FL OZ/A	4-6"	W A															
5	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"	W A															
5	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	4-6"	W A															
5	AMS	100	DRY	2.5	LB A/A	2.5	LB/A	4-6"	W A															
6	COBRA	2	EC	0.187	LB A/A	12	FL OZ/A	4-6"	W A	37	28	13	92	83	32	99	97	99	99	99	99	99	88	99
6	V-10137	1	EC	0.0312	LB A/A	4	FL OZ/A	4-6"	W A															
6	FIRSTRATE	84	WG	0.0157	LB A/A	0.3	OZ/A	4-6"	W A															
6	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	4-6"	W A															
6	AMS	100	DRY	2.5	LB A/A	2.5	LB/A	4-6"	W A															
LSD (P=.05)										2.4	3.7	8.7	3.1	2.2	16.7	0.0	2.8	5.6	0.0	0.0	0.0	0.0	9.0	2.9
Replicate F										0.098	7.695	1.998	9.235	3.182	1.492	0.000	0.302	0.645	0.000	0.000	0.000	0.000	0.016	0.551
Replicate Prob(F)										0.9075	0.0095	0.1863	0.0053	0.0852	0.2710	1.0000	0.7456	0.5452	1.0000	1.0000	1.0000	1.0000	0.9842	0.5931
Treatment F										436.314	82.760	4.195	1541.494	2955.341	39.410	0.000	1983.888	476.956	0.000	0.000	0.000	168.781	1860.762	
Treatment Prob(F)										0.0001	0.0001	0.0257	0.0001	0.0001	0.0001	1.0000	0.0001	0.0001	1.0000	1.0000	1.0000	1.0000	0.0001	0.0001

Trial Comments

1. Protocol: Valent.
2. Ratings: CI and WC 7, 14 and 28 DAT.
3. DA-A = Days after 4-6"W application.
4. GGGAN = Annual grasses including SETFA and PANDI