

Weed Management in Roundup Ready Corn.

01-6A-W120

OBJECTIVE: Evaluate various herbicide programs in Roundup Ready corn.

SUMMARY: Corn injury 7 days after postemergence applications (DAPO) was less than 5% from all treatments except Bicep II Magnum followed by Spirit (20%). No corn injury was observed at 28 DAPO.

All treatments provided good to excellent control of giant foxtail and velvetleaf 28 DAPO except Bicep II Magnum at 3.2 pt alone. Common cocklebur control was at least 90% from all treatments except the single application of Roundup Ultra Max (81%) and Bicep II Magnum alone (73%). All treatments controlled at least 93% of common waterhemp at 28 DAT except the single application of Roundup Ultra Max (88%). Morningglory species control was at least 93% from all treatments except Glyphomax Plus alone and with Hornet, and Touchdown plus Callisto. Single applications of Roundup Ultra Max or Glyphomax Plus alone tended to provide less weed control than sequential applications or tank mixtures.

Variable corn yield did not appear to be related to weed control or crop injury.

HERBICIDES

BASIS GOLD 90 WG
 BICEP II MAGNUM 5.5 L
 CALLISTO 4 SC
 CELEBRITY PLUS 70 WG
 DEGREE 3.8 ME
 DEGREE EXTRA 4 L
 DUAL II MAGNUM 7.64 EC
 FULTIME 4 SC
 GLYPHOMAX PLUS 3 SL
 HORNET 68.5 WG
 LEADOFF 5 L
 MARKSMAN 3.2 L
 READY MASTER ATZ 4 SC
 ROUNDUP ULTRA MAX 3.7 SL
 SPIRIT 57 WG
 TOUCHDOWN 3 SL

WEEDS

cocklebur, common
 foxtail, giant
 morningglory, species
 velvetleaf
 waterhemp, common

CROP

corn, field

Bryan Young

PLANT, SOIL AND GENERAL AGRICULTURE DEPARTMENT

SOUTHERN ILLINOIS UNIVERSITY

Weed Management in Roundup Ready Corn.

Project Code: 01-6A-W120 Location: Belleville Research Center

Investigator: Bryan Young, Assistant Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA
Trial Status: Final Initiation Date: 4-24-01

Objective:

Evaluate various herbicide programs in Roundup Ready corn.

Weed Code	Common Name	Scientific Name
1. SETFA	foxtail, giant	Setaria faberi Herrm.
2. XANST	cocklebur, common	Xanthium strumarium L.
3. ABUTH	velvetleaf	Abutilon theophrasti Medicus
4. AMATA	waterhemp, common	Amaranthus rudis Sauer
5. IPOSS	morningglory, species	Ipomoea sp.

Crop 1:	ZEAMX corn, field	Variety:	DKC 64-10 RR
Planting Method:	Seeded	Planting Date:	5-9-01
Rate:	28000 S/A	Depth:	1.5 IN
Row Spacing:	30 IN		

Plot Width, Unit:	10 FT	Plot Length, Unit:	25 FT	Reps:	3
Tillage Type:	Reduced-Till	Study Design:	Randomized complete block		
Previous Crop, Year:	GLXMA, 2000				
Field Prep./Maintenance:	N 150 LB/A, P205 0 LB/A, K20 150 LB/A				

Soil Name:	Stoy	% OM:	2.1	pH:	5.7	CEC:	7
Texture:	Silt loam	Fert. Level:	P1: 82 LB/A, K: 266 LB/A				

APPLICATION DESCRIPTION

	A	B	C	D	E	F
Application Date:	5-10-01	6-1-01	6-1-01	6-7-01	6-11-01	6-15-01
Time of Day:	10:00	7:30	7:30	16:00	16:00	9:00
Application Method:	Spray	Spray	Spray	Spray	Spray	Spray
Application Timing:	PRE	2-4"W-1	2-4"W-2	4-6"W-1	4-6"W-2	2-4"RG
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	68 F	70 F	70 F	82 F	92 F	72 F
% Relative Humidity:	56	50	50	56	48	84
Wind Velocity, Unit:	10 MPH	10 MPH	10 MPH	5 MPH	5 MPH	5 MPH
Soil Moisture:	BELNOR	ABONOR	ABONOR	NORMAL	NORMAL	NORMAL
% Cloud Cover:	0	25	25	25	0	

CROP STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Crop 1 Code, Stage:	ZEAMX NA	ZEAMX V4	ZEAMX V4	ZEAMX V4	ZEAMX V4	ZEAMX V5
Height, Unit:	NA NA	7-8 IN	7-8 IN	8-10 IN	10-12 IN	12-14 IN

WEED STAGE AT EACH APPLICATION

	A	B	C	D	E	F
Weed 1 Code:	SETFA	SETFA	SETFA	SETFA	SETFA	SETFA
Stage(leaves):		3-5	3-5	4-6	3-4	2-4
Height(inches):		1-3	1-4	4-6	4-6	2-4
Density:		High	High	High	Low	Low
Weed 2 Code:	XANST	XANST	XANST	XANST	XANST	XANST
Stage(leaves):		2-5	2-5	2-6	5-6	2-6
Height(inches):		1-5	1-5	4-6	6-8	2-4
Density:		High	High	High	High	Medium
Weed 3 Code:	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
Stage(leaves):		COT-2	COT-2	2-4	3-5	2-4
Height(inches):		0-1	1-2	2-3	4-6	2-4
Density:		Medium	Medium	Medium	Medium	Low

Weed 4 Code:	AMATA	AMATA	AMATA	AMATA	AMATA	AMATA
Stage(leaves):		COT-2	COT-2	2-4	2-4	2-10
Height(inches):		0-1	0-1	1-2	2-4	1-4
Density:		Medium	Low	Low	Low	Low
Weed 5 Code:	IPOSS	IPOSS	IPOSS	IPOSS	IPOSS	IPOSS
Stage(leaves):		COT	COT-3	2-3	3-4	2-4
Height(inches):		0-1	1-2	2-3	3-4	1-4
Density:		Low	Medium	Low	Low	Low

APPLICATION EQUIPMENT

	A	B	C	D	E	F
Appl. Equipment:	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
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	8003	8002	8002	8002	8002	8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA	20 GPA	20 GPA	20 GPA

NOTES: HARVESTED 10-2-01, 2 ROWS X 22 FT.

Weed Management in Roundup Ready Corn.

Project Code: 01-6A-W120 Location: Belleville Research Center

Weed Code														SETFA	SETFA	SETFA	XANST	XANST	XANST	AMATA	AMATA	AMATA	
Crop Code														ZEAMX	ZEAMX	ZEAMX	ZEAMX						
Rating Data Type														Yield	Injury	Injury	Injury	Control	Control	Control	Control	Control	Control
Rating Unit														bu/A	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date														10-2-01				7-24-01			7-24-01		
Trt-Eval Interval														7 DAT			14 DAT			28 DAT			
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code														
1	NONTREATED									114	0	0	0	0	0	0	0	0	0	0			
2	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	2-4"W-1	B	214	0	0	0	93	94	95	79	81	78	87	88	87	
2	AMS	100	DRY		2 % W/W	17	LB/100 GAL	2-4"W-1	B														
3	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	2-4"W-1	B	211	0	1	0	92	99	99	75	98	98	78	99	99	
3	AMS	100	DRY		2.0 % W/W	17	LB/100 GAL	2-4"W-1	B														
3	ROUNDUP ULTRA MAX	3.7	SL	0.56	LB AE/A	1.2	PT/A	2-4"RG	F														
3	AMS	100	DRY		2 % W/W	17	LB/100 GAL	2-4"RG	F														
4	DEGREE	3.8	ME	1.43	LB A/A	3	PT/A	PRE	A	189	2	0	0	99	99	99	91	98	97	99	99	99	
4	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	4-6"W-2	E														
4	AMS	100	DRY		2 % W/W	17	LB/100 GAL	4-6"W-2	E														
5	DEGREE EXTRA	4	L	2.3	LB A/A	4.6	PT/A	PRE	A	177	0	0	0	99	99	99	96	97	96	99	99	99	
5	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	4-6"W-2	E														
5	AMS	100	DRY		2 % W/W	17	LB/100 GAL	4-6"W-2	E														
6	DEGREE	3.8	ME	1.43	LB A/A	3	PT/A	2-4"W-1	B	210	0	0	0	99	98	99	93	91	86	99	99	99	
6	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	2-4"W-1	B														
6	AMS	100	DRY		2 % W/W	17	LB/100 GAL	2-4"W-1	B														
7	DEGREE EXTRA	4	L	2.3	LB A/A	4.6	PT/A	2-4"W-1	B	207	0	0	0	99	99	99	97	97	95	99	99	99	
7	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	2-4"W-1	B														
7	AMS	100	DRY		2 % W/W	17	LB/100 GAL	2-4"W-1	B														
8	READY MASTER ATZ	4	SC	2.0	LB A/A	2	QT/A	2-4"W-1	B	181	0	0	0	99	96	98	96	96	96	99	99	99	
8	AMS	100	DRY		2 % W/W	17	LB/100 GAL	2-4"W-1	B														
9	DUAL II MAGNUM	7.64	EC	1.27	LB A/A	1.33	PT/A	PRE	A	198	4	3	0	97	98	99	95	97	96	99	99	99	
9	MARKSMAN	3.2	L	1.4	LB A/A	3.5	PT/A	2-4"W-2	C														
10	BICEP II MAGNUM	5.5	L	2.2	LB A/A	3.2	PT/A	PRE	A	192	0	0	0	67	68	70	73	73	74	98	98	98	
11	BICEP II MAGNUM	5.5	L	2.2	LB A/A	3.2	PT/A	PRE	A	195	20	3	0	89	96	97	90	97	98	92	98	97	
11	SPIRIT	57	WG	0.0356	LB A/A	1	OZ/A	4-6"W-2	E														
11	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	4-6"W-2	E														
11	28% UAN	100	LIQ	2.5	% V/V	2.5	%V/V	4-6"W-2	E														
12	BICEP II MAGNUM	5.5	L	1.15	LB A/A	1.67	PT/A	PRE	A	180	0	0	0	97	98	98	95	98	98	99	99	99	
12	TOUCHDOWN	3	SL	0.75	LB AE/A	2	PT/A	4-6"W-2	E														
12	AMS	100	DRY		2 % W/W	17	LB/100 GAL	4-6"W-2	E														
13	FULTIME	4	SC	1.3	LB A/A	1.3	QT/A	PRE	A	201	0	0	0	99	98	99	90	98	98	99	99	99	
13	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	4-6"W-2	E														
13	AMS	100	DRY		2 % W/W	17	LB/100 GAL	4-6"W-2	E														
14	LEADOFF	5	L	1.64	LB A/A	2.62	PT/A	PRE	A	222	0	0	0	99	99	99	94	97	97	99	98	99	
14	BASIS GOLD	90	WG	0.7875	LB A/A	14	OZ/A	2-4"W-2	C														
14	PRIME OIL COC	100	LIQ	1.0	QT/A	1	QT/A	2-4"W-2	C														
14	28% UAN	100	LIQ	4.0	QT/A	4	QT/A	2-4"W-2	C														

Weed Code												SETFA	SETFA	SETFA	XANST	XANST	XANST	AMATA	AMATA	AMATA			
Crop Code												ZEAMX	ZEAMX	ZEAMX	ZEAMX								
Rating Data Type												Yield	Injury	Injury	Injury	Control	Control	Control	Control	Control	Control		
Rating Unit												bu/A	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent		
Rating Date												10-2-01				7-24-01			7-24-01			7-24-01	
Trt-Eval Interval												7 DAT	14 DAT	28 DAT	14 DAT	28 DAT	Canopy	14 DAT	28 DAT	Canopy	14 DAT	28 DAT	Canopy
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code														
15	CELEBRITY PLUS	70	WG	0.2	LB A/A	4.57	OZ/A	2-4"	W-1 B	204	0	0	0	82	99	99	85	92	93	96	93	92	
15	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	2-4"	W-1 B														
15	28% UAN	100	LIQ	4.0	QT/A	4	QT/A	2-4"	W-1 B														
16	FULTIME	4	SC	2.25	LB A/A	2.25	QT/A	PRE	A	206	0	0	0	98	98	99	90	95	97	99	99	99	
16	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	4-6"	W-2 E														
16	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"	W-2 E														
17	FULTIME	4	SC	2.25	LB A/A	2.25	QT/A	PRE	A	205	2	0	0	98	98	99	94	98	98	99	99	99	
17	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	4-6"	W-2 E														
17	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	4-6"	W-2 E														
17	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"	W-2 E														
18	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	4-6"	W-1 D	213	0	0	0	99	99	99	94	92	97	81	98	98	
18	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"	W-1 D														
19	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	4-6"	W-1 D	195	2	0	0	99	99	99	97	98	98	98	99	99	
19	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	4-6"	W-1 D														
19	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"	W-1 D														
20	TOUCHDOWN	3	SL	0.75	LB AE/A	2	PT/A	4-6"	W-1 D	190	0	0	0	99	99	99	95	96	97	97	99	99	
20	CALLISTO	4	SC	0.094	LB A/A	3	OZ/A	4-6"	W-1 D														
20	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"	W-1 D														
LSD (P=.05)										31.0	1.9	1.5	0.0	5.9	4.0	3.9	7.0	5.3	4.1	7.9	2.1	1.2	
Replicate F										1.218	0.048	0.508	0.000	2.422	1.353	1.172	2.943	2.124	2.732	3.985	0.041	1.630	
Replicate Prob(F)										0.3072	0.9530	0.6057	1.0000	0.1023	0.2706	0.3208	0.0648	0.1336	0.0779	0.0269	0.9595	0.2092	
Treatment F										4.395	43.480	3.166	0.000	121.227	257.636	278.369	76.709	142.004	242.726	65.003	906.328	2917.520	
Treatment Prob(F)										0.0001	0.0001	0.0012	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

Weed Management in Roundup Ready Corn.

Project Code: 01-6A-W120 Location: Belleville Research Center

Weed Code	ABUTH	ABUTH	ABUTH	IPOSS	IPOSS	IPOSS
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date			7-24-01			7-24-01
Trt-Eval Interval	14 DAT	28 DAT	Canopy	14 DAT	28 DAT	Canopy

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	ABUTH Control Percent	ABUTH Control Percent	ABUTH Control Percent	IPOSS Control Percent	IPOSS Control Percent	IPOSS Control Percent
1	NONTREATED									0	0	0	0	0	0
2	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	2-4"W-1	B	91	98	99	92	95	97
2	AMS	100	DRY	2	% W/W	17	LB/100 GAL	2-4"W-1	B						
3	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	2-4"W-1	B	98	99	99	86	95	96
3	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	2-4"W-1	B						
3	ROUNDUP ULTRA MAX	3.7	SL	0.56	LB AE/A	1.2	PT/A	2-4"RG	F						
3	AMS	100	DRY	2	% W/W	17	LB/100 GAL	2-4"RG	F						
4	DEGREE	3.8	ME	1.43	LB A/A	3	PT/A	PRE	A	89	98	98	86	95	95
4	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	4-6"W-2	E						
4	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"W-2	E						
5	DEGREE EXTRA	4	L	2.3	LB A/A	4.6	PT/A	PRE	A	77	91	91	89	95	95
5	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	4-6"W-2	E						
5	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"W-2	E						
6	DEGREE	3.8	ME	1.43	LB A/A	3	PT/A	2-4"W-1	B	99	98	98	95	93	91
6	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	2-4"W-1	B						
6	AMS	100	DRY	2	% W/W	17	LB/100 GAL	2-4"W-1	B						
7	DEGREE EXTRA	4	L	2.3	LB A/A	4.6	PT/A	2-4"W-1	B	98	99	99	98	96	96
7	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	2-4"W-1	B						
7	AMS	100	DRY	2	% W/W	17	LB/100 GAL	2-4"W-1	B						
8	READY MASTER ATZ	4	SC	2.0	LB A/A	2	QT/A	2-4"W-1	B	99	98	99	93	96	95
8	AMS	100	DRY	2	% W/W	17	LB/100 GAL	2-4"W-1	B						
9	DUAL II MAGNUM	7.64	EC	1.27	LB A/A	1.33	PT/A	PRE	A	96	99	99	97	96	94
9	MARKSMAN	3.2	L	1.4	LB A/A	3.5	PT/A	2-4"W-2	C						
10	BICEP II MAGNUM	5.5	L	2.2	LB A/A	3.2	PT/A	PRE	A	79	80	82	96	97	97
11	BICEP II MAGNUM	5.5	L	2.2	LB A/A	3.2	PT/A	PRE	A	99	98	99	90	97	97
11	SPIRIT	57	WG	0.0356	LB A/A	1	OZ/A	4-6"W-2	E						
11	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	% V/V	4-6"W-2	E						
11	28% UAN	100	LIQ	2.5	% V/V	2.5	% V/V	4-6"W-2	E						
12	BICEP II MAGNUM	5.5	L	1.15	LB A/A	1.67	PT/A	PRE	A	73	91	92	88	94	97
12	TOUCHDOWN	3	SL	0.75	LB AE/A	2	PT/A	4-6"W-2	E						
12	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"W-2	E						
13	FULTIME	4	SC	1.3	LB A/A	1.3	QT/A	PRE	A	87	97	96	87	92	95
13	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	4-6"W-2	E						
13	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"W-2	E						
14	LEADOFF	5	L	1.64	LB A/A	2.62	PT/A	PRE	A	99	99	99	96	94	96
14	BASIS GOLD	90	WG	0.7875	LB A/A	14	OZ/A	2-4"W-2	C						
14	PRIME OIL COC	100	LIQ	1.0	QT/A	1	QT/A	2-4"W-2	C						
14	28% UAN	100	LIQ	4.0	QT/A	4	QT/A	2-4"W-2	C						

Weed Code	ABUTH	ABUTH	ABUTH	IPOSS	IPOSS	IPOSS
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date			7-24-01			7-24-01
Tri-Eval Interval	14 DAT	28 DAT	Canopy	14 DAT	28 DAT	Canopy

Tri No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	ABUTH Control Percent	ABUTH Control Percent	ABUTH Control Percent	IPOSS Control Percent	IPOSS Control Percent	IPOSS Control Percent
15	CELEBRITY PLUS	70	WG	0.2	LB A/A	4.57	OZ/A	2-4"W-1	B	83	97	99	82	95	95
15	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	2-4"W-1	B						
15	28% UAN	100	LIQ	4.0	QT/A	4	QT/A	2-4"W-1	B						
16	FULTIME	4	SC	2.25	LB A/A	2.25	QT/A	PRE	A	98	99	99	87	96	97
16	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	4-6"W-2	E						
16	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"W-2	E						
17	FULTIME	4	SC	2.25	LB A/A	2.25	QT/A	PRE	A	98	99	99	86	96	97
17	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	4-6"W-2	E						
17	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	4-6"W-2	E						
17	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"W-2	E						
18	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	4-6"W-1	D	99	98	97	68	85	89
18	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"W-1	D						
19	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	4-6"W-1	D	98	99	99	72	84	86
19	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	4-6"W-1	D						
19	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"W-1	D						
20	TOUCHDOWN	3	SL	0.75	LB AE/A	2	PT/A	4-6"W-1	D	98	98	99	80	88	93
20	CALLISTO	4	SC	0.094	LB A/A	3	OZ/A	4-6"W-1	D						
20	AMS	100	DRY	2	% W/W	17	LB/100 GAL	4-6"W-1	D						
LSD (P=.05)										10.6	5.9	6.7	9.6	5.0	4.2
Replicate F										0.565	2.356	2.394	0.824	0.662	0.469
Replicate Prob(F)										0.5731	0.1085	0.1049	0.4465	0.5216	0.6295
Treatment F										36.362	114.027	87.609	39.433	148.362	212.801
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Weed Management in Roundup Ready Corn.

Project Code: 01-6A-W120 Location: Belleville Research Center

Trial Comments

1. Protocol: Monsanto (2001-01-46-05, trts 1-15); Dow (trts 16-19).
2. DAT = days after postemergence application. Canopy = at canopy closure.
7 days after 2-4"W-1, 2-4"W-2, 4-6"W-1, 4-6"W-2 and 2-4"RG applications was on 6-8-01, 6-8-01, 6-14-01, 6-18-01 and 6-22-01, respectively.
14 days after 2-4"W-1, 2-4"W-2, 4-6"W-1, 4-6"W-2 and 2-4"RG applications was on 6-15-01, 6-15-01, 6-21-01, 6-25-01 and 6-29-01, respectively.
28 days after 2-4"W-1, 2-4"W-2, 4-6"W-1, 4-6"W-2 and 2-4"RG applications was on 6-29-01, 6-29-01, 7-5-01, 7-9-01 and 7-13-01, respectively.
PRE only (treatment 10) was rated at 14 and 28 days after last postemergence application on 6-29-01 and 7-13-01.
3. For treatment 3, crop injury ratings are following the regrowth application, there was no crop injury following the 2-4"W-1 application.