

Sequential Herbicide Programs in Corn.

01-50E-MS100

OBJECTIVE: Evaluate various sequential herbicide programs for use in corn.

SUMMARY: Corn injury was less than 5% from any treatment in this study. All treatments controlled at least 90% of giant foxtail at 56 days after the late post application (DAPO). Yellow nutsedge control was at least 90% 56 DAPO from all treatments except Topnotch at 2 qt/A followed by Hornet, Outlook followed by Marksman, and Balance Pro plus Define plus Aatrex. Giant ragweed control was greatest with Topnotch followed by Hornet plus Aatrex, Topnotch followed by Hornet plus Distinct, Guardsman Max followed by Celebrity Plus, and treatments that included Callisto. All treatments controlled at least 86% of common cocklebur and 89% of morningglory species. The best overall treatments in this study were Topnotch followed by Hornet plus Aatrex and Dual II Magnum followed by Callisto plus Aatrex.

Corn yield was similar in all herbicide treated plots.

HERBICIDES

AATREX 90 WG
 AE F130360 35 WG
 AXIOM 68 WG
 BALANCE PRO 4 SC
 BASIS GOLD 90 WG
 BICEP II MAGNUM 5.5 L
 CALLISTO 4 SC
 CELEBRITY PLUS 70 WG
 DEFINE 60 WG
 DISTINCT 70 WG
 DUAL II MAGNUM 7.64 EC
 GUARDSMAN MAX 5 L
 HORNET 68.5 WG
 LEADOFF 5 L
 MARKSMAN 3.2 L
 NORTHSTAR 47.4 WG
 OUTLOOK 6 EC
 TOPNOTCH 3.2 ME
 USA 2001 71.5 WG

WEEDS

cocklebur, common
 foxtail, giant
 morningglory, species
 nutsedge, yellow
 ragweed, giant

CROP

corn, field

Bryan Young

PLANT, SOIL AND GENERAL AGRICULTURE DEPARTMENT

SOUTHERN ILLINOIS UNIVERSITY

Sequential Herbicide Programs in Corn.

Project Code: 01-50E-MS100 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: 4-26-01

Objective:

Evaluate various sequential herbicide programs for use in corn.

Weed Code	Common Name	Scientific Name
1. SETFA	foxtail, giant	Setaria faberi Herrm.
2. CYPES	nutsedge, yellow	Cyperus esculentus L.
3. AMBTR	ragweed, giant	Ambrosia trifida L.
4. XANST	cocklebur, common	Xanthium strumarium L.
5. IPOSS	morningglory, species	Ipomoea sp.

Crop 1:	ZEAMX corn, field	Variety:	P33G28 LL
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:	27 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 200 LB/A				

Soil Name:	Weir	% OM:	1.4	pH:	6.9	CEC:	12
Texture:	Silt loam	Fert. Level:	P1: 83 LB/A, K: 181 LB/A				

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	5-10-01	5-22-01	6-5-01	6-1-01
Time of Day:	18:00	11:30	13:00	14:30
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	PRE	3-5"CN	2-4"GRW	6-8"CN
Applic. Placement:	BROSOI	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	86 F	68 F	84 F	69 F
% Relative Humidity:	36	32	60	54
Wind Velocity, Unit:	5-10 MPH	5-10 MPH	5-10 MPH	0-10 MPH
Soil Moisture:	NORMAL	ABONOR	ABONOR	ABONOR
% Cloud Cover:	30	5	40	5

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMX NA	ZEAMX V2-V3	ZEAMX V5	ZEAMX V4-V5
Height, Unit:	NA NA	3-5 IN	8-10 IN	5-9 IN

WEED STAGE AT EACH APPLICATION

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

Weed 5 Code:	IPOSS	IPOSS	IPOSS	IPOSS
Stage(leaves):		2-4	2-4	2-4
Height(inches):		0-1	1-2	0-1
Density:		Low	Low	Low

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	8003	8002	8002	8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA	20 GPA

NOTES: HARVESTED 10-6-01, 2 ROWS X 19 FT.

Sequential Herbicide Programs in Corn.

Project Code: 01-50E-MS100 Location: Belleville Research Center

Weed Code										SETFA	SETFA	SETFA	CYPES	CYPES	CYPES	AMBTR	AMBTR	AMBTR
Crop Code										ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX				
Rating Data Type										Yield	Injury	Injury	Injury	Injury	Control	Control	Control	Control
Rating Unit										bu/A	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date										10-6-01	5-24-01	6-15-01	6-29-01	7-27-01	6-15-01	6-29-01	7-27-01	6-15-01
Trt-Eval Interval										14 DA-A	14 DA-A	14 DA-D	28 DA-D	56 DA-D	14 DA-D	28 DA-D	56 DA-D	14 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	ZEAMX Yield	ZEAMX Injury	ZEAMX Injury	ZEAMX Injury	ZEAMX Injury	SETFA Control	SETFA Control	SETFA Control	CYPES Control	CYPES Control	CYPES Control	AMBTR Control	AMBTR Control	AMBTR Control	
1	NONTREATED									86	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	TOPNOTCH	3.2	ME	2.0	LB A/A	2.5	QT/A	PRE	A	218	1	0	0	0	99	99	99	97	96	95	97	95	96	
2	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	2-4"GRW	C															
2	AATREX	90	WG	1.0	LB A/A	1.1	LB/A	2-4"GRW	C															
2	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	2-4"GRW	C															
2	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	2-4"GRW	C															
3	TOPNOTCH	3.2	ME	2.0	LB A/A	2.5	QT/A	PRE	A	231	0	0	0	0	99	95	96	98	93	94	94	89	92	
3	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	2-4"GRW	C															
3	DISTINCT	70	WG	0.088	LB A/A	2	OZ/A	2-4"GRW	C															
3	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	2-4"GRW	C															
3	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	2-4"GRW	C															
4	AXIOM	68	WG	0.723	LB A/A	17	OZ/A	PRE	A	227	0	0	0	0	99	98	98	89	93	92	91	89	88	
4	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	6-8"CN	D															
4	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D															
4	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D															
5	AXIOM	68	WG	0.723	LB A/A	17	OZ/A	PRE	A	211	2	1	0	0	99	98	98	95	91	92	80	72	72	
5	DISTINCT	70	WG	0.175	LB A/A	4	OZ/A	6-8"CN	D															
5	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D															
5	AMS	100	DRY	5.0	LB A/A	5	LB/A	6-8"CN	D															
6	TOPNOTCH	3.2	ME	1.6	LB A/A	2	QT/A	PRE	A	240	0	0	0	0	99	96	96	92	84	86	91	90	89	
6	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	6-8"CN	D															
6	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D															
6	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D															
7	OUTLOOK	6	EC	0.75	LB A/A	16	OZ/A	PRE	A	207	0	1	0	0	99	95	94	92	87	87	88	78	77	
7	MARKSMAN	3.2	L	1.4	LB A/A	3.5	PT/A	3-5"CN	B															
7	AMS	100	DRY	2.0	LB A/A	2	LB/A	3-5"CN	B															
8	DUAL II MAGNUM	7.64	EC	1.27	LB A/A	1.33	PT/A	PRE	A	238	2	1	0	0	93	89	90	97	94	92	94	91	90	
8	CALLISTO	4	SC	0.094	LB A/A	3	OZ/A	6-8"CN	D															
8	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	6-8"CN	D															
8	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D															
9	DUAL II MAGNUM	7.64	EC	1.27	LB A/A	1.33	PT/A	PRE	A	237	0	0	0	0	98	94	94	96	95	94	96	92	92	
9	CALLISTO	4	SC	0.094	LB A/A	3	OZ/A	6-8"CN	D															
9	AATREX	90	WG	0.25	LB A/A	4.4	OZ/A	6-8"CN	D															
9	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	6-8"CN	D															
9	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D															
10	OUTLOOK	6	EC	0.75	LB A/A	16	OZ/A	PRE	A	236	2	1	0	0	95	93	94	98	92	93	91	90	87	
10	DISTINCT	70	WG	0.263	LB A/A	6	OZ/A	6-8"CN	D															
10	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D															
10	AMS	100	DRY	0.6	% W/W	5	LB/100 GAL	6-8"CN	D															
11	DUAL II MAGNUM	7.64	EC	1.27	LB A/A	1.33	PT/A	PRE	A	228	3	0	0	0	99	99	98	99	99	99	93	91	88	
11	NORTHSTAR	47.4	WG	0.148	LB A/A	5	OZ/A	6-8"CN	D															
11	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D															
11	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D															

Weed Code										SETFA	SETFA	SETFA	CYPES	CYPES	CYPES	AMBTR	AMBTR	AMBTR
Crop Code										ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX				
Rating Data Type										Yield	Injury	Injury	Injury	Injury	Control	Control	Control	Control
Rating Unit										bu/A	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date										10-6-01	5-24-01	6-15-01	6-29-01	7-27-01	6-15-01	6-29-01	7-27-01	6-15-01
Trt-Eval Interval										14 DA-A	14 DA-D	28 DA-D	56 DA-D	14 DA-D	28 DA-D	56 DA-D	14 DA-D	28 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	Yield	Injury	Injury	Injury	Injury	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control
12	LEADOFF	5	L	2.5	LB A/A	4	PT/A	PRE	A	226	0	0	0	0	99	99	98	96	99	98	80	73	73	
12	BASIS GOLD	90	WG	0.7875	LB A/A	14	OZ/A	6-8"CN	D															
12	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	6-8"CN	D															
12	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D															
13	GUARDSMAN MAX	5	L	2.13	LB A/A	3.4	PT/A	PRE	A	217	0	0	0	0	99	95	94	98	98	98	92	91	90	
13	CELEBRITY PLUS	70	WG	0.206	LB A/A	4.7	OZ/A	6-8"CN	D															
13	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D															
13	AMS	100	DRY	0.6	% W/W	5	LB/100 GAL	6-8"CN	D															
14	GUARDSMAN MAX	5	L	2.13	LB A/A	3.4	PT/A	PRE	A	223	0	0	0	0	99	95	95	96	95	95	90	83	83	
14	DISTINCT	70	WG	0.175	LB A/A	4	OZ/A	6-8"CN	D															
14	AE F130360	35	WG	0.0328	LB A/A	1.5	OZ/A	6-8"CN	D															
14	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D															
14	AMS	100	DRY	0.6	% W/W	5	LB/100 GAL	6-8"CN	D															
15	GUARDSMAN MAX	5	L	2.5	LB A/A	4	PT/A	PRE	A	213	0	0	0	0	99	99	98	98	91	92	93	87	87	
15	DISTINCT	70	WG	0.175	LB A/A	4	OZ/A	6-8"CN	D															
15	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D															
15	AMS	100	DRY	0.6	% W/W	5	LB/100 GAL	6-8"CN	D															
16	USA 2001	71.5	WG	0.715	LB A/A	16	OZ/A	PRE	A	231	0	1	0	0	99	98	98	95	91	92	91	85	86	
16	DISTINCT	70	WG	0.175	LB A/A	4	OZ/A	6-8"CN	D															
16	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D															
16	AMS	100	DRY	5.0	LB A/A	5	LB/A	6-8"CN	D															
17	GUARDSMAN MAX	5	L	2.5	LB A/A	4	PT/A	PRE	A	216	1	0	0	0	98	95	95	95	92	92	68	47	47	
18	BICEP II MAGNUM	5.5	L	2.89	LB A/A	2.1	QT/A	PRE	A	223	0	0	0	0	99	99	98	96	96	96	72	62	60	
19	BICEP II MAGNUM	5.5	L	2.89	LB A/A	2.1	QT/A	PRE	A	219	2	0	0	0	99	98	96	95	95	94	88	87	85	
19	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	PRE	A															
20	BALANCE PRO	4	SC	0.0703	LB A/A	2.25	OZ/A	PRE	A	240	0	0	0	0	99	93	93	83	73	75	87	75	73	
20	DEFINE	60	WG	0.375	LB A/A	10	OZ/A	PRE	A															
20	AATREX	90	WG	1.0	LB A/A	1.1	LB/A	PRE	A															
LSD (P=.05)										34.5	2.3	0.9	0.0	0.0	2.6	3.2	2.6	4.7	3.9	4.6	6.2	9.1	9.8	
Replicate F										0.651	0.896	1.430	0.000	0.000	2.320	1.096	1.959	1.986	0.648	3.228	0.759	3.673	4.801	
Replicate Prob(F)										0.5273	0.4166	0.2519	1.0000	1.0000	0.1120	0.3446	0.1549	0.1512	0.5288	0.0507	0.4750	0.0348	0.0138	
Treatment F										7.286	1.627	1.839	0.000	0.000	610.319	383.570	544.930	170.704	247.872	173.803	95.837	47.715	40.362	
Treatment Prob(F)										0.0001	0.0992	0.0543	1.0000	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

Sequential Herbicide Programs in Corn.

Project Code: 01-50E-MS100 Location: Belleville Research Center

Weed Code	XANST	XANST	XANST	IPOSS	IPOSS	IPOSS
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	6-15-01	6-29-01	7-27-01	6-15-01	6-29-01	7-27-01
Trt-Eval Interval	14 DA-D	28 DA-D	56 DA-D	14 DA-D	28 DA-D	56 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	XANST Control Percent	XANST Control Percent	XANST Control Percent	IPOSS Control Percent	IPOSS Control Percent	IPOSS Control Percent
1	NONTREATED									0	0	0	0	0	0
2	TOPNOTCH	3.2	ME	2.0	LB A/A	2.5	QT/A	PRE	A	98	98	98	99	96	96
2	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	2-4"GRW	C						
2	AATREX	90	WG	1.0	LB A/A	1.1	LB/A	2-4"GRW	C						
2	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	2-4"GRW	C						
2	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	2-4"GRW	C						
3	TOPNOTCH	3.2	ME	2.0	LB A/A	2.5	QT/A	PRE	A	98	97	96	99	96	96
3	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	2-4"GRW	C						
3	DISTINCT	70	WG	0.088	LB A/A	2	OZ/A	2-4"GRW	C						
3	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	2-4"GRW	C						
3	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	2-4"GRW	C						
4	AXIOM	68	WG	0.723	LB A/A	17	OZ/A	PRE	A	98	95	95	99	96	95
4	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	6-8"CN	D						
4	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D						
4	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D						
5	AXIOM	68	WG	0.723	LB A/A	17	OZ/A	PRE	A	96	95	96	99	91	92
5	DISTINCT	70	WG	0.175	LB A/A	4	OZ/A	6-8"CN	D						
5	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D						
5	AMS	100	DRY	5.0	LB A/A	5	LB/A	6-8"CN	D						
6	TOPNOTCH	3.2	ME	1.6	LB A/A	2	QT/A	PRE	A	98	93	95	97	94	95
6	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	6-8"CN	D						
6	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D						
6	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D						
7	OUTLOOK	6	EC	0.75	LB A/A	16	OZ/A	PRE	A	97	85	86	99	98	97
7	MARKSMAN	3.2	L	1.4	LB A/A	3.5	PT/A	3-5"CN	B						
7	AMS	100	DRY	2.0	LB A/A	2	LB/A	3-5"CN	B						
8	DUAL II MAGNUM	7.64	EC	1.27	LB A/A	1.33	PT/A	PRE	A	93	88	88	98	98	94
8	CALLISTO	4	SC	0.094	LB A/A	3	OZ/A	6-8"CN	D						
8	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	6-8"CN	D						
8	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D						
9	DUAL II MAGNUM	7.64	EC	1.27	LB A/A	1.33	PT/A	PRE	A	94	91	92	96	97	92
9	CALLISTO	4	SC	0.094	LB A/A	3	OZ/A	6-8"CN	D						
9	AATREX	90	WG	0.25	LB A/A	4.4	OZ/A	6-8"CN	D						
9	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	6-8"CN	D						
9	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D						
10	OUTLOOK	6	EC	0.75	LB A/A	16	OZ/A	PRE	A	96	92	91	95	94	93
10	DISTINCT	70	WG	0.263	LB A/A	6	OZ/A	6-8"CN	D						
10	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D						
10	AMS	100	DRY	0.6	% W/W	5	LB/100 GAL	6-8"CN	D						
11	DUAL II MAGNUM	7.64	EC	1.27	LB A/A	1.33	PT/A	PRE	A	99	99	97	87	89	89
11	NORTHSTAR	47.4	WG	0.148	LB A/A	5	OZ/A	6-8"CN	D						
11	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D						
11	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D						

Weed Code		XANST	XANST	XANST	IPOSS	IPOSS	IPOSS
Rating Data Type		Control	Control	Control	Control	Control	Control
Rating Unit		Percent	Percent	Percent	Percent	Percent	Percent
Rating Date		6-15-01	6-29-01	7-27-01	6-15-01	6-29-01	7-27-01
Trt-Eval Interval		14 DA-D	28 DA-D	56 DA-D	14 DA-D	28 DA-D	56 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code						
12	LEADOFF	5	L	2.5	LB A/A	4	PT/A	PRE	A	99	96	96	99	99	99
12	BASIS GOLD	90	WG	0.7875	LB A/A	14	OZ/A	6-8"CN	D						
12	PRIME OIL COC	100	LIQ	1.0	% V/V	1	%V/V	6-8"CN	D						
12	AMS	100	DRY	2.0	LB A/A	2	LB/A	6-8"CN	D						
13	GUARDSMAN MAX	5	L	2.13	LB A/A	3.4	PT/A	PRE	A	97	92	90	99	98	98
13	CELEBRITY PLUS	70	WG	0.206	LB A/A	4.7	OZ/A	6-8"CN	D						
13	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D						
13	AMS	100	DRY	0.6	% W/W	5	LB/100 GAL	6-8"CN	D						
14	GUARDSMAN MAX	5	L	2.13	LB A/A	3.4	PT/A	PRE	A	98	96	96	96	92	92
14	DISTINCT	70	WG	0.175	LB A/A	4	OZ/A	6-8"CN	D						
14	AE F130360	35	WG	0.0328	LB A/A	1.5	OZ/A	6-8"CN	D						
14	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D						
14	AMS	100	DRY	0.6	% W/W	5	LB/100 GAL	6-8"CN	D						
15	GUARDSMAN MAX	5	L	2.5	LB A/A	4	PT/A	PRE	A	98	96	96	99	95	95
15	DISTINCT	70	WG	0.175	LB A/A	4	OZ/A	6-8"CN	D						
15	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D						
15	AMS	100	DRY	0.6	% W/W	5	LB/100 GAL	6-8"CN	D						
16	USA 2001	71.5	WG	0.715	LB A/A	16	OZ/A	PRE	A	95	92	92	98	98	94
16	DISTINCT	70	WG	0.175	LB A/A	4	OZ/A	6-8"CN	D						
16	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	%V/V	6-8"CN	D						
16	AMS	100	DRY	5.0	LB A/A	5	LB/A	6-8"CN	D						
17	GUARDSMAN MAX	5	L	2.5	LB A/A	4	PT/A	PRE	A	93	87	87	99	98	96
18	BICEP II MAGNUM	5.5	L	2.89	LB A/A	2.1	QT/A	PRE	A	90	80	80	98	98	95
19	BICEP II MAGNUM	5.5	L	2.89	LB A/A	2.1	QT/A	PRE	A	98	96	94	98	99	95
19	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	PRE	A						
20	BALANCE PRO	4	SC	0.0703	LB A/A	2.25	OZ/A	PRE	A	97	88	88	99	99	96
20	DEFINE	60	WG	0.375	LB A/A	10	OZ/A	PRE	A						
20	AATREX	90	WG	1.0	LB A/A	1.1	LB/A	PRE	A						
LSD (P=.05)										4.5	5.3	5.5	4.2	5.4	7.0
Replicate F										9.793	6.894	2.399	0.162	2.348	0.405
Replicate Prob(F)										0.0004	0.0028	0.1045	0.8508	0.1093	0.6700
Treatment F										191.507	129.171	120.070	224.031	133.012	75.071
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Sequential Herbicide Programs in Corn.

Project Code: 01-50E-MS100 Location: Belleville Research Center

Trial Comments

1. Protocol: Dow (trts 2 and 3); Bayer (#850-H-A2-005/01 trts 4, 5 and 16); BASF (trts 6-8, 10-15 and 17-20). SIU (trt 9).
2. Application "C", 2-4"GRW is 2 to 4 inch giant ragweed.
3. DA-A = days after PRE application. DA-D = days after 6-8"CN application.