

One-Pass No-Till Burndown in Corn.

01-2B-ME110

OBJECTIVE: Evaluate various commercial and experimental herbicides for use in one-pass burndown plus residual programs in no-till corn.

SUMMARY: Corn injury was 2% or less from any treatment in this study. In general, at 14 days after treatment (DAT), little barley, giant foxtail, yellow nutsedge, common ragweed and Pennsylvania smartweed control was good from all herbicide treatments. However, by 56 DAT giant foxtail control was less than 85% from all treatments. Giant foxtail and common ragweed control 56 DAT tended to be slightly greater from treatments applied preemergence (PRE) compared to 14 days early preplant (EPP14). Yellow nutsedge control 56 DAT was good from all treatments except USA 2001 and Axiom applied EPP14. All treatments that contained GF-688 provided good control of common waterhemp at 56 DAT with no differences due to application timing (EPP14 vs. PRE).

Corn yield tended to be greater in plots that included a PRE treatment compared to EPP14. Corn yield was generally higher from treatments that included Aatrex at 17 oz or greater.

HERBICIDES

AATREX 90 WG
 AXIOM 68 WG
 BALANCE PRO 4 SC
 BICEP II MAGNUM 5.5 L
 DEFINE 60 WG
 EPIC 58 WG
 FULTIME 4 SC
 GF-688 3.5 CS
 GLYPHOMAX PLUS 3 SL
 GUARDSMAN MAX 5 L
 HORNET 68.5 WG
 USA 2001 71.5 WG

WEEDS

barley, little
 foxtail, giant
 nutsedge, yellow
 ragweed, common
 smartweed, Pennsylvania
 waterhemp, common

CROP

corn, field

Bryan Young

PLANT, SOIL AND GENERAL AGRICULTURE DEPARTMENT

SOUTHERN ILLINOIS UNIVERSITY

One-Pass No-Till Burndown in Corn.

Project Code: 01-2B-ME110 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: 4-16-01**Objective:**

Evaluate various commercial and experimental herbicides for use in one-pass burndown plus residual programs in no-till corn.

Weed Code	Common Name	Scientific Name
1. HORPU	barley, little	Hordeum pusillum Nutt.
2. SETFA	foxtail, giant	Setaria faberi Herrm.
3. AMBEL	ragweed, common	Ambrosia artemisiifolia L.
4. POLPY	smartweed, Pennsylvania	Polygonum pennsylvanicum L.
5. CYPES	nutsedge, yellow	Cyperus esculentus L.
6. AMATA	waterhemp, common	Amaranthus rudis Sauer

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:	28 FT	Reps:	3
Tillage Type:	No-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:	Weir	% OM:	1.5	pH:	6.4	CEC:	9
Texture:	Silt loam	Fert. Level:	P1: 87 LB/A, K: 259 LB/A				

APPLICATION DESCRIPTION

	A	B
Application Date:	4-25-01	5-9-01
Time of Day:	11:00	16:00
Application Method:	SPRAY	SPRAY
Application Timing:	14EPP	PRE
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	62 F	81 F
% Relative Humidity:	50	30
Wind Velocity, Unit:	3 MPH	5 MPH
Soil Moisture:	NORMAL	BELNOR

CROP STAGE AT EACH APPLICATION

	A		B	
Crop 1 Code, Stage:	ZEAMX	NA	ZEAMX	NA
Height, Unit:	NA	NA	NA	NA

WEED STAGE AT EACH APPLICATION

	A		B	
Weed 1 Code:	HORPU		HORPU	
Stage(leaves):	5-6		4-6	
Height(inches):	4-8		14-20	
Density:	Medium		Medium	
Weed 2 Code:	SETFA			
Stage(leaves):	1-2			
Height(inches):	01			
Density:	Medium			
Weed 3 Code:	AMBEL		AMBEL	
Stage(leaves):	3-4		4-5	
Height(inches):	1-3		4-5	
Density:	High		High	

Weed 4 Code:	POLPY	POLPY
Stage(leaves):	2-4	4-7
Height(inches):	1-2	5-7
Density:	Medium	Medium

APPLICATION EQUIPMENT

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

NOTES: HARVESTED 10-4-01, 2 ROWS X 25 FT.

One-Pass No-Till Burndown in Corn.

Project Code: 01-2B-ME110 Location: Belleville Research Center

Weed Code													HORPU	HORPU	SETFA	SETFA	SETFA	CYPES	CYPES						
Crop Code																									
Rating Data Type													Yield	Injury	Injury	Injury	Stunt	Stunt	Stunt	Control	Control	Control	Control	Control	Control
Rating Unit													bu/A	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date													10-4-01	5-23-01	6-6-01	7-4-01	5-23-01	6-6-01	7-4-01	5-9-01	5-23-01	5-9-01	5-23-01	7-4-01	5-23-01
Trt-Eval Interval													14 DAP	28 DAP	56 DAP	14 DAP	28 DAP	56 DAP	0 DAP	14 DAP	0 DAP	14 DAP	56 DAP	14 DAP	56 DAP

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	Yield	Injury	Injury	Injury	Stunt	Stunt	Stunt	Control	Control	Control	Control	Control	Control	Control	Control
1	NONTREATED									28	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	GF-688	3.5	CS	2.19	LB A/A	5	PT/A	14EPP	A	167	0	0	0	0	0	0	99	99	99	98	53	97	95	
2	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A															
2	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A															
3	GF-688	3.5	CS	2.19	LB A/A	5	PT/A	14EPP	A	168	0	0	0	0	0	0	99	99	99	98	50	98	93	
3	AATREX	90	WG	0.5	LB A/A	8.9	OZ/A	14EPP	A															
3	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A															
3	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A															
4	GF-688	3.5	CS	2.19	LB A/A	5	PT/A	14EPP	A	189	0	0	0	0	0	0	99	99	99	97	67	99	93	
4	AATREX	90	WG	1.0	LB A/A	17.8	OZ/A	14EPP	A															
4	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A															
4	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A															
5	GF-688	3.5	CS	2.19	LB A/A	5	PT/A	14EPP	A	165	0	0	0	0	0	0	99	99	99	96	53	99	95	
5	HORNET	68.5	WG	0.0856	LB A/A	2	OZ/A	14EPP	A															
5	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A															
5	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A															
6	GF-688	3.5	CS	2.19	LB A/A	5	PT/A	14EPP	A	163	0	0	0	0	0	0	99	99	99	96	62	98	95	
6	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	14EPP	A															
6	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A															
6	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A															
7	FULTIME	4	SC	3.5	LB A/A	3.5	QT/A	14EPP	A	185	0	0	0	0	0	0	99	99	99	97	68	85	92	
7	HORNET	68.5	WG	0.171	LB A/A	4	OZ/A	14EPP	A															
7	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A															
7	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A															
8	USA 2001	71.5	WG	0.715	LB A/A	16	OZ/A	14EPP	A	182	0	1	0	0	0	0	99	99	99	99	80	81	30	
8	AATREX	90	WG	1.25	LB A/A	22	OZ/A	14EPP	A															
8	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A															
8	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A															
9	EPIC	58	WG	0.435	LB A/A	12	OZ/A	14EPP	A	198	0	1	0	0	0	0	99	99	99	98	78	69	37	
9	AATREX	90	WG	1.25	LB A/A	22	OZ/A	14EPP	A															
9	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A															
9	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A															
10	AXIOM	68	WG	0.723	LB A/A	17	OZ/A	14EPP	A	182	0	2	0	0	0	0	99	99	99	97	82	88	40	
10	AATREX	90	WG	1.6	LB A/A	28	OZ/A	14EPP	A															
10	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A															
10	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A															
11	USA 2001	71.5	WG	0.715	LB A/A	16	OZ/A	14EPP	A	168	0	0	0	0	0	0	99	99	99	96	73	67	30	
11	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A															
11	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A															
12	EPIC	58	WG	0.435	LB A/A	12	OZ/A	14EPP	A	170	0	1	0	0	0	0	99	99	99	99	67	77	93	
12	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A															
12	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A															

Weed Code													HORPU	HORPU	SETFA	SETFA	SETFA	CYPES	CYPES												
Crop Code													ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX												
Rating Data Type													Yield	Injury	Injury	Injury	Stunt	Stunt	Stunt	Control	Control	Control	Control	Control	Control						
Rating Unit													bu/A	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent							
Rating Date													10-4-01	5-23-01	6-6-01	7-4-01	5-23-01	6-6-01	7-4-01	5-9-01	5-23-01	5-9-01	5-23-01	7-4-01	5-23-01	7-4-01					
Trt-Eval Interval													14 DAP	28 DAP	28 DAP	56 DAP	14 DAP	28 DAP	56 DAP	0 DAP	14 DAP	0 DAP	14 DAP	56 DAP	14 DAP	56 DAP					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code																						
13	BICEP II MAGNUM	5.5	L	2.89	LB A/A	2.1	QT/A		14EPP A	187	2	0	0	0	0	0	99	99	99	97	58	95	93								
13	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A																						
13	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A																						
14	GUARDSMAN MAX	5	L	2.5	LB A/A	4	PT/A		14EPP A	189	0	0	0	0	0	0	99	99	99	98	70	98	93								
14	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A																						
14	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A																						
15	GF-688	3.5	CS	2.19	LB A/A	5	PT/A		PRE B	178	0	0	0	0	0	0		98		99	53	99	94								
15	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		PRE B																						
15	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		PRE B																						
16	GF-688	3.5	CS	2.19	LB A/A	5	PT/A		PRE B	177	0	0	0	0	0	0		96		99	67	99	96								
16	AATREX	90	WG	0.5	LB A/A	8.9	OZ/A		PRE B																						
16	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		PRE B																						
16	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		PRE B																						
17	GF-688	3.5	CS	2.19	LB A/A	5	PT/A		PRE B	196	0	1	0	0	0	0		88		99	81	99	94								
17	AATREX	90	WG	1.0	LB A/A	17.8	OZ/A		PRE B																						
17	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		PRE B																						
17	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		PRE B																						
18	GF-688	3.5	CS	2.19	LB A/A	5	PT/A		PRE B	181	0	1	0	0	0	0		96		99	60	99	93								
18	HORNET	68.5	WG	0.0856	LB A/A	2	OZ/A		PRE B																						
18	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		PRE B																						
18	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		PRE B																						
19	GF-688	3.5	CS	2.19	LB A/A	5	PT/A		PRE B	174	0	2	0	0	0	0		99		99	67	98	95								
19	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A		PRE B																						
19	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		PRE B																						
19	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		PRE B																						
20	FULTIME	4	SC	3.5	LB A/A	3.5	QT/A		PRE B	196	0	0	0	0	0	0		98		99	72	99	92								
20	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		PRE B																						
20	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		PRE B																						
21	USA 2001	71.5	WG	0.715	LB A/A	16	OZ/A		PRE B	181	0	0	0	0	0	0		98		98	83	98	88								
21	AATREX	90	WG	1.25	LB A/A	22	OZ/A		PRE B																						
21	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		PRE B																						
21	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		PRE B																						
22	BALANCE PRO	4	SC	0.0703	LB A/A	2.25	OZ/A		PRE B	201	0	0	0	0	0	0		96		98	80	98	90								
22	DEFINE	60	WG	0.45	LB A/A	12	OZ/A		PRE B																						
22	AATREX	90	WG	1.25	LB A/A	22	OZ/A		PRE B																						
22	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		PRE B																						
22	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		PRE B																						
LSD (P=.05)										19.8	1.0	1.8	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.2	7.3	27.8	3.8								
Replicate F										4.370	1.000	1.160	0.000	0.000	0.000	0.000	0.000	3.491	0.000	1.013	4.003	2.468	3.607								
Replicate Prob(F)										0.0189	0.3765	0.3232	1.0000	1.0000	1.0000	1.0000	1.0000	0.0396	1.0000	0.3719	0.0256	0.0970	0.0359								
Treatment F										24.665	1.000	1.005	0.000	0.000	0.000	0.000	0.000	307.684	0.000	355.090	47.790	5.172	481.016								
Treatment Prob(F)										0.0001	0.4832	0.4775	1.0000	1.0000	1.0000	1.0000	1.0000	0.0001	1.0000	0.0001	0.0001	0.0001	0.0001								

One-Pass No-Till Burndown in Corn.

Project Code: 01-2B-ME110 Location: Belleville Research Center

Weed Code	AMBEL	AMBEL	AMBEL	POLPY	POLPY	POLPY	AMATA
Rating Data Type	Control	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	5-9-01	5-23-01	7-4-01	5-9-01	5-23-01	7-4-01	7-4-01
Trt-Eval Interval	0 DAP	14 DAP	56 DAP	0 DAP	14 DAP	56 DAP	56 DAP

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	AMBEL Control Percent	AMBEL Control Percent	AMBEL Control Percent	POLPY Control Percent	POLPY Control Percent	POLPY Control Percent	AMATA Control Percent
1	NONTREATED									0	0	0	0	0	0	0
2	GF-688	3.5	CS	2.19	LB A/A	5	PT/A		14EPP A	99	99	75	99	99	99	90
2	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A							
2	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A							
3	GF-688	3.5	CS	2.19	LB A/A	5	PT/A		14EPP A	99	99	80	99	99	99	93
3	AATREX	90	WG	0.5	LB A/A	8.9	OZ/A		14EPP A							
3	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A							
3	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A							
4	GF-688	3.5	CS	2.19	LB A/A	5	PT/A		14EPP A	99	99	83	99	99	99	92
4	AATREX	90	WG	1.0	LB A/A	17.8	OZ/A		14EPP A							
4	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A							
4	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A							
5	GF-688	3.5	CS	2.19	LB A/A	5	PT/A		14EPP A	99	98	70	99	99	99	90
5	HORNET	68.5	WG	0.0856	LB A/A	2	OZ/A		14EPP A							
5	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A							
5	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A							
6	GF-688	3.5	CS	2.19	LB A/A	5	PT/A		14EPP A	99	99	78	99	99	99	95
6	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A		14EPP A							
6	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A							
6	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A							
7	FULTIME	4	SC	3.5	LB A/A	3.5	QT/A		14EPP A	99	99	80	99	99	99	90
7	HORNET	68.5	WG	0.171	LB A/A	4	OZ/A		14EPP A							
7	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A							
7	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A							
8	USA 2001	71.5	WG	0.715	LB A/A	16	OZ/A		14EPP A	99	99	72	99	99	99	77
8	AATREX	90	WG	1.25	LB A/A	22	OZ/A		14EPP A							
8	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A							
8	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A							
9	EPIC	58	WG	0.435	LB A/A	12	OZ/A		14EPP A	99	99	75	99	99	99	82
9	AATREX	90	WG	1.25	LB A/A	22	OZ/A		14EPP A							
9	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A							
9	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A							
10	AXIOM	68	WG	0.723	LB A/A	17	OZ/A		14EPP A	99	99	73	99	99	99	65
10	AATREX	90	WG	1.6	LB A/A	28	OZ/A		14EPP A							
10	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A							
10	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A							
11	USA 2001	71.5	WG	0.715	LB A/A	16	OZ/A		14EPP A	99	98	68	99	99	99	62
11	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A							
11	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A							
12	EPIC	58	WG	0.435	LB A/A	12	OZ/A		14EPP A	99	99	63	99	99	99	70
12	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A		14EPP A							
12	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL		14EPP A							

Weed Code	AMBEL	AMBEL	AMBEL	POLPY	POLPY	POLPY	AMATA
Rating Data Type	Control	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Date	5-9-01	5-23-01	7-4-01	5-9-01	5-23-01	7-4-01	7-4-01
Trt-Eval Interval	0 DAP	14 DAP	56 DAP	0 DAP	14 DAP	56 DAP	56 DAP

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	AMBEL Control Percent	AMBEL Control Percent	AMBEL Control Percent	POLPY Control Percent	POLPY Control Percent	POLPY Control Percent	AMATA Control Percent
13	BICEP II MAGNUM	5.5	L	2.89	LB A/A	2.1	QT/A	14EPP	A	99	99	82	99	99	99	80
13	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A							
13	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A							
14	GUARDSMAN MAX	5	L	2.5	LB A/A	4	PT/A	14EPP	A	99	99	92	99	99	99	80
14	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	14EPP	A							
14	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	14EPP	A							
15	GF-688	3.5	CS	2.19	LB A/A	5	PT/A	PRE	B		93	80		99	99	90
15	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	PRE	B							
15	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	PRE	B							
16	GF-688	3.5	CS	2.19	LB A/A	5	PT/A	PRE	B		99	92		99	99	93
16	AATREX	90	WG	0.5	LB A/A	8.9	OZ/A	PRE	B							
16	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	PRE	B							
16	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	PRE	B							
17	GF-688	3.5	CS	2.19	LB A/A	5	PT/A	PRE	B		99	90		99	99	92
17	AATREX	90	WG	1.0	LB A/A	17.8	OZ/A	PRE	B							
17	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	PRE	B							
17	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	PRE	B							
18	GF-688	3.5	CS	2.19	LB A/A	5	PT/A	PRE	B		95	86		99	99	89
18	HORNET	68.5	WG	0.0856	LB A/A	2	OZ/A	PRE	B							
18	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	PRE	B							
18	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	PRE	B							
19	GF-688	3.5	CS	2.19	LB A/A	5	PT/A	PRE	B		98	87		96	99	92
19	HORNET	68.5	WG	0.128	LB A/A	3	OZ/A	PRE	B							
19	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	PRE	B							
19	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	PRE	B							
20	FULTIME	4	SC	3.5	LB A/A	3.5	QT/A	PRE	B		98	88		99	99	91
20	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	PRE	B							
20	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	PRE	B							
21	USA 2001	71.5	WG	0.715	LB A/A	16	OZ/A	PRE	B		99	82		99	99	72
21	AATREX	90	WG	1.25	LB A/A	22	OZ/A	PRE	B							
21	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	PRE	B							
21	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	PRE	B							
22	BALANCE PRO	4	SC	0.0703	LB A/A	2.25	OZ/A	PRE	B		99	90		99	99	77
22	DEFINE	60	WG	0.45	LB A/A	12	OZ/A	PRE	B							
22	AATREX	90	WG	1.25	LB A/A	22	OZ/A	PRE	B							
22	GLYPHOMAX PLUS	3	SL	0.75	LB AE/A	2	PT/A	PRE	B							
22	AMS	100	DRY	2.0	% W/W	17	LB/100 GAL	PRE	B							
LSD (P=.05)										0.0	4.5	6.9	0.0	1.8	0.0	8.6
Replicate F										0.000	0.305	3.832	0.000	1.000	0.000	5.455
Replicate Prob(F)										1.0000	0.7384	0.0296	1.0000	0.3765	1.0000	0.0078
Treatment F										0.000	181.114	61.917	0.000	1086.857	0.000	46.117
Treatment Prob(F)										1.0000	0.0001	0.0001	1.0000	0.0001	1.0000	0.0001

One-Pass No-Till Burndown in Corn.

Project Code: 01-2B-ME110 Location: Belleville Research Center

Trial Comments

1. Protocol: Dow (trts 2, 5-7, 15, and 18-19); Bayer (#850-H-A2-004/01 trts 8-12); SIU (trts 3, 4, 13, 14, 16, 17, and 20-22).
2. DAP = days after planting. 0 DAP = at planting.