

Comparison of Fall Applied Corn Herbicides.

01-1-M100

OBJECTIVE: Evaluate various fall applied herbicide programs in corn.

SUMMARY: Wild garlic control was greatest at all evaluation timings with treatments that included Gramoxone Extra. Similarly, only treatments that included Gramoxone Extra provided control of mouseear chickweed and shepherd's purse. Henbit control at planting was excellent from all herbicide treatments except Gramoxone Extra or Roundup Ultra Max alone (with no residual herbicide). Carolina foxtail control at planting was good from all treatments except Python plus Weedone, Sencor plus Weedone, and Python plus Sencor plus Weedone. Similarly, all treatments except Python plus Weedone provided good control of common chickweed. Only treatments that included Princep controlled common lambsquarters at planting. Control of giant foxtail and common waterhemp was less than 80% from any fall applied herbicide program. In summary, fall applied treatments of Princep plus Gramoxone tended to provide the greatest overall weed control. However, no treatment provided adequate control of waterhemp and giant foxtail at planting.

Corn yield was highly variable and did not relate to any treatment effects.

HERBICIDES	WEEDS	CROP
AATREX 90 WG	chickweed, common	corn, field
BASIS 75 WG	chickweed, mouseear	
EXPRESS 75 WG	foxtail, Carolina	
GRAMOXONE EXTRA 2.5 SL	foxtail, giant	
PRINCEP 90 WG	garlic, wild	
PYTHON 80 WG	henbit	
ROUNDUP ULTRA MAX 3.7 SL	lambsquarters, common	
SENCOR 75 WG	shepherdspurse	
WEEDONE 638 2.8 EC	waterhemp, common	

Bryan Young

PLANT, SOIL AND GENERAL AGRICULTURE DEPARTMENT

SOUTHERN ILLINOIS UNIVERSITY

Comparison of Fall Applied Corn Herbicides.

Project Code: 01-1-M100 Location: Belleville Research Center

Investigator: Bryan Young, Assistant Professor, Southern Illinois University

City State Zip Country: Belleville IL 62221 USA
Trial Status: established Initiation Date: 11-17-00**Objective:**

Evaluate various fall applied herbicide programs in corn.

Weed Code	Common Name	Scientific Name
1.	ALLVI garlic, wild	Allium vineale L.
2.	LAMAM henbit	Lamium amplexicaule L.
3.	CERVU chickweed, mouseear	Cerastium vulgatum L.
4.	ALOCA foxtail, Carolina	Alopecurus carolinianus Walt.
5.	CAPBP shepherdspurse	Capsella bursa-pastoris (L.) Medicus
6.	RANAB buttercup, smallflower	Ranunculus abortivus L.
7.	SETFA foxtail, giant	Setaria faberi Herrm.
8.	STEME chickweed, common	Stellaria media (L.) Vill.
9.	CHEAL lambsquarters, common	Chenopodium album L.
10.	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:	30 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:	1.8	pH:	5.7	CEC:	10
Texture:	Silt loam	Fert. Level:	P1: 98 LB/A, K: 258 LB/A				

APPLICATION DESCRIPTION

	A	B
Application Date:	11-22-00	3-14-01
Time of Day:	15:00	10:00
Application Method:	SPRAY	SPRAY
Application Timing:	FALL	MARCH
Applic. Placement:	BROFOL	BROFOL
Wind Velocity, Unit:	3 MPH	5 MPH
Soil Moisture:	NORMAL	NORMAL

CROP STAGE AT EACH APPLICATION

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

WEED STAGE AT EACH APPLICATION

	A		B	
Weed 1 Code:	ALLVI		ALLVI	
Stage(leaves):	3-4		3-4	
Height(inches):	6-16		4-8	
Density:	High		High	
Weed 2 Code:	LAMAM		LAMAM	
Stage(leaves):	10+		10+	
Height(inches):	0-2		0-2	
Density:	High		Medium	
Weed 3 Code:	CERVU		CERVU	
Stage(leaves):	10+		10+	
Height(inches):	0-2		0-2	
Density:	Medium		Low	

Weed 4 Code:	ALOCA	ALOCA
Stage(leaves):	3-4	5-8
Height(inches):	0-2	0-2
Density:	Medium	Medium
Weed 5 Code:	CAPBP	CAPBP
Stage(leaves):	5-6	
Height(inches):	0-3	
Density:	Low	
Weed 6 Code:	RANAB	RANAB
Stage(leaves):	3-5	
Height(inches):	0-3	
Density:	Low	

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	8002	8002
Boom Length, Unit:	7.33 FT	7.33 FT
Incorporation Equip.:	NA	NA
Spray Volume, Unit:	20 GPA	20 GPA

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

Comparison of Fall Applied Corn Herbicides.

Project Code: 01-1-M100 Location: Belleville Research Center

Weed Code										ZEAMX	ALLVI	ALLVI	ALLVI	ALLVI	LAMAM	LAMAM	LAMAM	LAMAM	CERVU	CERVU
Crop Code										Yield	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type										bu/A	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit										10-10-01	12-6-00	12-20-00	4-2-01	5-9-01	12-6-00	12-20-00	4-2-01	5-9-01	12-6-00	12-20-00
Rating Date											14 DA-A	28 DA-A	19 DA-B	0 DAP	14 DA-A	28 DA-A	19 DA-B	0 DAP	14 DA-A	28 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	BASIS	75	WG	0.0234	LB A/A	0.5	OZ/A	FALL	A	118	0	0	60	40	0	0	99	99	0	0
1	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
1	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
2	BASIS	75	WG	0.0156	LB A/A	0.33	OZ/A	FALL	A	135	0	0	62	10	0	0	94	99	0	0
2	PRINCEP	90	WG	1.0	LB A/A	1.1	LB/A	FALL	A											
2	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
3	EXPRESS	75	WG	0.0156	LB A/A	0.33	OZ/A	FALL	A	154	0	0	82	17	0	0	95	99	0	0
3	PRINCEP	90	WG	1.0	LB A/A	1.1	LB/A	FALL	A											
3	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
4	BASIS	75	WG	0.0234	LB A/A	0.5	OZ/A	FALL	A	125	0	0	87	52	0	0	96	98	0	0
4	PRINCEP	90	WG	0.75	LB A/A	0.83	LB/A	FALL	A											
4	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
5	PRINCEP	90	WG	1.0	LB A/A	1.1	LB/A	FALL	A	115	0	0	3	0	0	0	68	94	0	0
6	PRINCEP	90	WG	1.0	LB A/A	1.1	LB/A	FALL	A	111	0	0	33	10	0	0	99	99	0	0
6	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
6	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
7	BASIS	75	WG	0.0234	LB A/A	0.5	OZ/A	FALL	A	95	0	0	88	27	0	0	99	96	0	0
7	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
8	ROUNDUP ULTRA MAX	3.7	SL	0.58	LB AE/A	1.25	PT/A	FALL	A	90	0	0	61	30	0	0	98	98	0	0
8	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A											
9	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	FALL	A	81	0	0	89	23	0	0	98	99	0	0
9	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A											
10	ROUNDUP ULTRA MAX	3.7	SL	0.58	LB AE/A	1.25	PT/A	FALL	A	90	0	0	88	57	0	0	99	99	0	0
10	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
10	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A											
11	PYTHON	80	WG	0.05	LB A/A	1	OZ/A	FALL	A	160	0	0	10	0	0	0	98	99	0	0
11	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
11	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
12	SENCOR	75	WG	0.1875	LB A/A	4	OZ/A	FALL	A	130	0	0	7	10	0	0	99	99	0	0
12	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
12	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
13	SENCOR	75	WG	0.25	LB A/A	5.3	OZ/A	FALL	A	113	0	0	5	0	0	0	99	99	0	0
13	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
13	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
14	PYTHON	80	WG	0.05	LB A/A	1	OZ/A	FALL	A	157	0	0	5	0	0	0	99	99	0	0
14	SENCOR	75	WG	0.1875	LB A/A	4	OZ/A	FALL	A											
14	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
14	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	ZEAMX Yield bu/A 10-10-01	ALLVI Control Percent 12-6-00 14 DA-A	ALLVI Control Percent 12-20-00 28 DA-A	ALLVI Control Percent 4-2-01 19 DA-B	ALLVI Control Percent 5-9-01 0 DAP	LAMAM Control Percent 12-6-00 14 DA-A	LAMAM Control Percent 12-20-00 28 DA-A	LAMAM Control Percent 4-2-01 19 DA-B	LAMAM Control Percent 5-9-01 0 DAP	CERVU Control Percent 12-6-00 14 DA-A	CERVU Control Percent 12-20-00 28 DA-A				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code											
15	PYTHON	80	WG	0.04	LB A/A	0.8	OZ/A	FALL	A	154	0	0	7	12	0	0	99	99	0	0
15	PRINCEP	90	WG	0.75	LB A/A	0.83	LB/A	FALL	A											
15	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
15	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
16	PYTHON	80	WG	0.04	LB A/A	0.8	OZ/A	FALL	A	158	0	0	85	62	0	0	99	99	0	0
16	PRINCEP	90	WG	0.75	LB A/A	0.83	LB/A	FALL	A											
16	BASIS	75	WG	0.0234	LB A/A	0.5	OZ/A	FALL	A											
16	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
16	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
17	PYTHON	80	WG	0.04	LB A/A	0.8	OZ/A	FALL	A	107	0	0	22	12	0	0	99	99	0	0
17	AATREX	90	WG	0.75	LB A/A	13.3	OZ/A	FALL	A											
17	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
17	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
18	PRINCEP	90	WG	0.5	LB A/A	0.56	LB/A	FALL	A	112	80	83	88	57	90	90	92	92	90	90
18	GRAMOXONE EXTRA	2.5	SL	0.313	LB A/A	1	PT/A	FALL	A											
18	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	% V/V	FALL	A											
19	PRINCEP	90	WG	0.75	LB A/A	0.83	LB/A	FALL	A	153	80	80	89	70	90	90	99	99	90	90
19	GRAMOXONE EXTRA	2.5	SL	0.313	LB A/A	1	PT/A	FALL	A											
19	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	% V/V	FALL	A											
20	PRINCEP	90	WG	1.0	LB A/A	1.1	LB/A	FALL	A	161	80	80	78	48	90	90	99	99	90	90
20	GRAMOXONE EXTRA	2.5	SL	0.313	LB A/A	1	PT/A	FALL	A											
20	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	% V/V	FALL	A											
21	GRAMOXONE EXTRA	2.5	SL	0.313	LB A/A	1	PT/A	FALL	A	133	80	80	93	57	90	90	37	40	90	90
21	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	% V/V	FALL	A											
22	ROUNDUP ULTRA MAX	3.7	SL	0.58	LB AE/A	1.25	PT/A	MARCH	B	94							38	58		
22	AMS	100	DRY	2.0	% W/W	2	% W/W	MARCH	B											
23	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	MARCH	B	133							53	75		
23	AMS	100	DRY	2.0	% W/W	2	% W/W	MARCH	B											
24	ROUNDUP ULTRA MAX	3.7	SL	0.58	LB AE/A	1.25	PT/A	MARCH	B	131							42	98		
24	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	MARCH	B											
24	AMS	100	DRY	2.0	% W/W	2	% W/W	MARCH	B											
25	NONTREATED									150	0	0	0	0	0	0	0	0	0	0
LSD (P=.05)										55.7	0.2	1.8	26.5	31.9	0.2	0.2	10.4	8.8	0.2	0.2
Replicate F										9.624	1.000	1.000	1.354	0.060	1.000	1.000	0.444	1.707	1.000	1.000
Replicate Prob(F)										0.0003	0.3765	0.3765	0.2678	0.9420	0.3765	0.3765	0.6442	0.1923	0.3765	0.3765
Treatment F										1.661	197075.281	2484.810	16.219	4.266	249481.000	249481.000	56.443	58.812	249481.000	249481.000
Treatment Prob(F)										0.0670	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

111

Comparison of Fall Applied Corn Herbicides.

Project Code: 01-1-M100 Location: Belleville Research Center

Weed Code		ALOCA		ALOCA		ALOCA		ALOCA		CAPBP		CAPBP		STEME		STEME		SETFA		CHEAL		AMATA	
Rating Data Type		Control		Control		Control		Control		Control		Control		Control		Control		Control		Control		Control	
Rating Unit		Percent		Percent		Percent		Percent		Percent		Percent		Percent		Percent		Percent		Percent		Percent	
Rating Date		12-6-00		12-20-00		4-2-01		5-9-01		12-6-00		12-20-00		4-2-01		5-9-01		5-9-01		5-9-01		5-9-01	
Trt-Eval Interval		14 DA-A		28 DA-A		19 DA-B		0 DAP		14 DA-A		28 DA-A		19 DA-B		0 DAP		0 DAP		0 DAP		0 DAP	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code														
1	BASIS	75	WG	0.0234	LB A/A	0.5	OZ/A	FALL	A	0	0	83	90	0	0	99	78	0	33	0			
1	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A														
1	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A														
2	BASIS	75	WG	0.0156	LB A/A	0.33	OZ/A	FALL	A	0	0	99	99	0	0	96	99	55	99	22			
2	PRINCEP	90	WG	1.0	LB A/A	1.1	LB/A	FALL	A														
2	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A														
3	EXPRESS	75	WG	0.0156	LB A/A	0.33	OZ/A	FALL	A	0	0	98	99	0	0	99	99	65	99	62			
3	PRINCEP	90	WG	1.0	LB A/A	1.1	LB/A	FALL	A														
3	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A														
4	BASIS	75	WG	0.0234	LB A/A	0.5	OZ/A	FALL	A	0	0	99	99	0	0	99	99	63	99	50			
4	PRINCEP	90	WG	0.75	LB A/A	0.83	LB/A	FALL	A														
4	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A														
5	PRINCEP	90	WG	1.0	LB A/A	1.1	LB/A	FALL	A	0	0	76	83	0	0	99	99	32	99	43			
6	PRINCEP	90	WG	1.0	LB A/A	1.1	LB/A	FALL	A	0	0	96	99	0	0	99	99	0	99	0			
6	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A														
6	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A														
7	BASIS	75	WG	0.0234	LB A/A	0.5	OZ/A	FALL	A	0	0	99	99	0	0	96	89	57	0	0			
7	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A														
8	ROUNDUP ULTRA MAX	3.7	SL	0.58	LB AE/A	1.25	PT/A	FALL	A	0	0	99	96	0	0	99	99	0	0	0			
8	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A														
9	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	FALL	A	0	0	99	95	0	0	99	99	0	0	0			
9	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A														
10	ROUNDUP ULTRA MAX	3.7	SL	0.58	LB AE/A	1.25	PT/A	FALL	A	0	0	99	98	0	0	97	99	0	0	0			
10	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A														
10	AMS	100	DRY	2.0	% W/W	2	% W/W	FALL	A														
11	PYTHON	80	WG	0.05	LB A/A	1	OZ/A	FALL	A	0	0	7	0	0	0	23	63	0	0	0			
11	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A														
11	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A														
12	SENCOR	75	WG	0.1875	LB A/A	4	OZ/A	FALL	A	0	0	28	0	0	0	99	99	0	0	0			
12	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A														
12	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A														
13	SENCOR	75	WG	0.25	LB A/A	5.3	OZ/A	FALL	A	0	0	33	0	0	0	99	99	0	0	0			
13	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A														
13	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A														
14	PYTHON	80	WG	0.05	LB A/A	1	OZ/A	FALL	A	0	0	48	40	0	0	99	99	0	0	0			
14	SENCOR	75	WG	0.1875	LB A/A	4	OZ/A	FALL	A														
14	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A														
14	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A														

Weed Code	ALOCA Control	ALOCA Control	ALOCA Control	ALOCA Control	CAPBP Control	CAPBP Control	STEME Control	STEME Control	SETFA Control	CHEAL Control	AMATA Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit	12-6-00	12-20-00	4-2-01	5-9-01	12-6-00	12-20-00	4-2-01	5-9-01	5-9-01	5-9-01	5-9-01
Rating Date	14 DA-A	28 DA-A	19 DA-B	0 DAP	14 DA-A	28 DA-A	19 DA-B	0 DAP	0 DAP	0 DAP	0 DAP
Trt-Eval Interval											

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code	ALOCA Control	ALOCA Control	ALOCA Control	ALOCA Control	CAPBP Control	CAPBP Control	STEME Control	STEME Control	SETFA Control	CHEAL Control	AMATA Control
15	PYTHON	80	WG	0.04	LB A/A	0.8	OZ/A	FALL	A	0	0	87	98	0	0	96	99	62	99	65
15	PRINCEP	90	WG	0.75	LB A/A	0.83	LB/A	FALL	A											
15	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
15	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
16	PYTHON	80	WG	0.04	LB A/A	0.8	OZ/A	FALL	A	0	0	98	99	0	0	99	99	79	99	72
16	PRINCEP	90	WG	0.75	LB A/A	0.83	LB/A	FALL	A											
16	BASIS	75	WG	0.0234	LB A/A	0.5	OZ/A	FALL	A											
16	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
16	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
17	PYTHON	80	WG	0.04	LB A/A	0.8	OZ/A	FALL	A	0	0	77	99	0	0	99	99	0	99	13
17	AATREX	90	WG	0.75	LB A/A	13.3	OZ/A	FALL	A											
17	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	FALL	A											
17	PRIME OIL COC	100	LIQ	1.0	% V/V	1	% V/V	FALL	A											
18	PRINCEP	90	WG	0.5	LB A/A	0.56	LB/A	FALL	A	90	90	99	99	90	90	99	99	0	96	0
18	GRAMOXONE EXTRA	2.5	SL	0.313	LB A/A	1	PT/A	FALL	A											
18	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	% V/V	FALL	A											
19	PRINCEP	90	WG	0.75	LB A/A	0.83	LB/A	FALL	A	90	90	99	99	90	90	99	99	62	99	20
19	GRAMOXONE EXTRA	2.5	SL	0.313	LB A/A	1	PT/A	FALL	A											
19	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	% V/V	FALL	A											
20	PRINCEP	90	WG	1.0	LB A/A	1.1	LB/A	FALL	A	90	90	99	99	90	90	99	99	58	99	48
20	GRAMOXONE EXTRA	2.5	SL	0.313	LB A/A	1	PT/A	FALL	A											
20	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	% V/V	FALL	A											
21	GRAMOXONE EXTRA	2.5	SL	0.313	LB A/A	1	PT/A	FALL	A	90	90	99	95	90	90	99	99	0	0	0
21	ACTIVATOR 90	100	LIQ	0.25	% V/V	0.25	% V/V	FALL	A											
22	ROUNDUP ULTRA MAX	3.7	SL	0.58	LB AE/A	1.25	PT/A	MARCH	B			98	98			83	99	0	0	0
22	AMS	100	DRY	2.0	% W/W	2	% W/W	MARCH	B											
23	ROUNDUP ULTRA MAX	3.7	SL	0.75	LB AE/A	1.6	PT/A	MARCH	B			96	99			70	99	0	0	0
23	AMS	100	DRY	2.0	% W/W	2	% W/W	MARCH	B											
24	ROUNDUP ULTRA MAX	3.7	SL	0.58	LB AE/A	1.25	PT/A	MARCH	B			99	99			80	93	0	0	0
24	WEEDONE 638	2.8	EC	0.5	LB A/A	1.43	PT/A	MARCH	B											
24	AMS	100	DRY	2.0	% W/W	2	% W/W	MARCH	B											
25	NONTREATED									0	0	0	0	0	0	0	0	0	0	0
LSD (P=.05)										0.2	0.2	18.2	19.7	0.2	0.2	17.3	20.0	42.6	19.0	36.8
Replicate F										1.000	1.000	0.570	1.964	1.000	1.000	0.946	0.256	11.188	0.814	3.981
Replicate Prob(F)										0.3765	0.3765	0.5692	0.1514	0.3765	0.3765	0.3956	0.7749	0.0001	0.4493	0.0251
Treatment F										249481.000	249481.000	23.820	29.062	249481.000	249481.000	16.507	8.873	4.010	54.829	3.688
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Comparison of Fall Applied Corn Herbicides.

Project Code: 01-1-M100 Location: Belleville Research Center

Trial Comments

1. Protocols: DuPont (trts 1-6); Monsanto (trts 8-10, 22-24); Dow AgroSciences (trts 14-17); Syngenta (trts 5, 18-21).
2. Blanket PRE application of Bicep II Magnum at 2.1 qt/A plus COC at 1.0% v/v, to all plots including the nontreated, applied 5-10-01.
3. DA-A = days after FALL application; DA-B = days after MARCH application; 0 DAP = at planting and prior to blanket PRE application.