

# Purdue University

## 1-Pass weed control in late planted corn

Trial ID: 04-ACRE-CORN-LATE  
Location: ACRE

Study Dir.:  
Investigator: Dr. Bill Johnson

### GENERAL TRIAL INFORMATION

Investigator: Dr. Bill Johnson

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

### CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	ECHCG	BARNYARDGRASS	ECHINOCHLOA CRUS-GALLI (L.) P.BEAUUV.
2.	SETFA	FOXTAIL, GIANT	SETARIA FABERI HERRM.
3.	IPOHE	MORNINGGLORY, IVYLEAF	IPOMOEA HEDERACEA (L.) JACQ.
4.	ABUTH	VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
5.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
6.	AMBTR	RAGWEED, GIANT	AMBROSIA TRIFIDA L.

Crop 1: ZEAMX CORN, FIELD

Variety: DK 60-09 RR

Planting Date: 26/May/2003

Rate: 30000 S/A

Row Spacing: 30 IN

### SITE AND DESIGN

Plot Width, Unit: 10 FT

Plot Length, Unit: 30 FT

Reps: 4

Study Design: RANDOMIZED COMPLETE BLOCK

### MAINTENANCE

Field Prep./Maintenance: 150# N knifed in by ACRE crew (week of 06/16/2003 ??)

### APPLICATION DESCRIPTION

	A	B
Application Date:	27/May/2003	25/Jun/2003
Application Method:	SPRAY	SPRAY
Air Temp., Unit:	81 F	88 F
% Relative Humidity:	31	53
Wind Velocity, Unit:	7.5 mph	6 MPH
Soil Temp., Unit:	21 C	31 C
% Cloud Cover:		0

### CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX	ZEAMX v4/v5 (30%)
Stage Scale:		DESC
Height, Unit:		8 IN

### WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	ECHCG	ECHCG 3-6"
Density, Unit:		1-2 FT2
Weed 2 Code, Stage:	SETFA	SETFA 3-6"
Density, Unit:		1-2 FT2
Weed 3 Code, Stage:	IPOHE	IPOHE 2-6"
Stage Scale:		2-8 lf
Density, Unit:		1 FT2
Weed 4 Code, Stage:	ABUTH	ABUTH 2-4"
Density, Unit:		1 FT2
Weed 5 Code, Stage:	CHEAL	CHEAL 2-4"
Density, Unit:		1 FT2
Weed 6 Code, Stage:	AMBTR	AMBTR 2-6"
Density, Unit:		1 FT2

# Purdue University

## 1-Pass weed control in late planted corn

Trial ID: 04-ACRE-CORN-LATE  
 Location: ACRE

Study Dir.:  
 Investigator: Dr. Bill Johnson

Weed Code	ECHCG	SETSS	IPOHE	ABUTH	CHEAL				
Crop Code									
Part Rated									
Rating Data Type	count	count	count	count	count				
Rating Unit									
Rating Date	24/Jul/2003	24/Jul/2003	24/Jul/2003	24/Jul/2003	24/Jul/2003				
Crop Stage	V11	V11	V11	V11	V11				
Crop Stage Scale	6-8'	6-8'	6-8'	6-8'	6-8'				
Assessed By	EC, EO, JB, RD	EC, EO, JB, RD	EC, EO, JB, RD	EC, EO, JB, RD	EC, EO, JB, RD				
Trt-Eval Interval	29 DA-B	29 DA-B	29 DA-B	29 DA-B	29 DA-B				
# Subsamples, Dec.	0	0	0	0	0				
Trt No.	Treatment Name	Rate	Unit	Grow Stg	1	2	3	4	5
1	Untreated				2 a	9 a	9 a	6 a	25 a
2	Bicep II Magnum	1.79	lb ai/a	pre	0 a	0 b	6 ab	2 b	0 b
3	Bicep II Magnum	2.68	lb ai/a	pre	0 a	0 b	7 ab	2 b	0 b
4	Bicep II Magnum	3.58	lb ai/a	pre	0 a	0 b	5 ab	1 b	0 b
5	Bicep II Magnum	1.79	lb ai/a	pre	0 a	0 b	4 ab	0 b	0 b
	Hornet WDG	0.098	lb ai/a	pre					
6	Bicep II Magnum	2.68	lb ai/a	pre	0 a	0 b	2 ab	0 b	0 b
	Hornet WDG	0.098	lb ai/a	pre					
7	Bicep II Magnum	1.79	lb ai/a	pre	0 a	0 b	5 ab	2 b	0 b
	Atrazine	1	lb ai/a	pre					
8	Bicep II Magnum	2.68	lb ai/a	pre	0 a	0 b	5 ab	1 b	0 b
	Atrazine	0.5	lb ai/a	pre					
9	Bicep II Magnum	1.79	lb ai/a	pre	0 a	1 b	3 ab	1 b	0 b
	Balance Pro	0.047	lb ai/a	pre					
10	Bicep II Magnum	2.68	lb ai/a	pre	0 a	0 b	2 b	0 b	0 b
	Balance Pro	0.047	lb ai/a	pre					
11	Bicep II Magnum	1.79	lb ai/a	pre	0 a	0 b	1 b	0 b	0 b
	Callisto	0.094	lb ai/a	pre					
12	Bicep II Magnum	2.68	lb ai/a	pre	0 a	0 b	1 b	0 b	0 b
	Callisto	0.094	lb ai/a	pre					
13	Steadfast	0.035	lb ai/a	post	0 a	0 b	3 ab	0 b	15 b
	COC			post					
	AMS			post					
14	Steadfast	0.035	lb ai/a	post	0 a	0 b	1 b	2 b	1 b
	Bicep II Magnum	1.38	lb ai/a	post					
	NIS			post					
15	Steadfast	0.035	lb ai/a	post	0 a	1 b	5 ab	0 b	0 b
	Callisto	0.047	lb ai/a	post					
	COC			post					
	AMS			post					
16	Steadfast	0.035	lb ai/a	post	0 a	1 b	3 ab	3 b	2 b
	Atrazine	0.75	lb ai/a	post					
	COC			post					
	AMS			post					
17	Steadfast	0.0176	lb ai/a	post	0 a	3 b	1 b	0 b	2 b
	Bicep II Magnum	1.38	lb ai/a	post					
	NIS			post					
18	Steadfast	0.0176	lb ai/a	post	1 a	1 b	2 b	0 b	0 b
	Lumax	0.99	lb ai/a	post					
	NIS			post					
LSD (P=.05)					1.0	1.6	4.0	2.2	9.9
Standard Deviation					0.7	1.2	2.9	1.5	7.0
CV					481.01	142.33	81.7	141.92	288.92
Grand Mean					0.15	0.82	3.5	1.08	2.42
Bartlett's X2					12.392	31.578	38.87	26.656	34.517
P(Bartlett's X2)					0.006*	0.001*	0.002*	0.003*	0.001*

# Purdue University

Weed Code	ECHCG	SETSS	IPOHE	ABUTH	CHEAL
Crop Code					
Part Rated					
Rating Data Type	count	count	count	count	count
Rating Unit					
Rating Date	24/Jul/2003	24/Jul/2003	24/Jul/2003	24/Jul/2003	24/Jul/2003
Crop Stage	V11	V11	V11	V11	V11
Crop Stage Scale	6-8'	6-8'	6-8'	6-8'	6-8'
Assessed By	EC, EO, JB, RD				
Trt-Eval Interval	29 DA-B				
# Subsamples, Dec.	0	0	0	0	0
Replicate F	1.054	0.827	7.053	2.107	1.991
Replicate Prob(F)	0.3766	0.4851	0.0005	0.1108	0.1270
Treatment F	1.315	13.488	2.489	3.882	3.555
Treatment Prob(F)	0.2217	0.0001	0.0062	0.0001	0.0002

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

# Purdue University

Weed Code	AMBTR		AMARE		SIDSP		SOLPT		POLPY				
Crop Code													
Part Rated													
Rating Data Type	count		count		count		count		count				
Rating Unit													
Rating Date	24/Jul/2003		24/Jul/2003		24/Jul/2003		24/Jul/2003		24/Jul/2003				
Crop Stage	V11		V11		V11		V11		V11				
Crop Stage Scale	6-8'		6-8'		6-8'		6-8'		6-8'				
Assessed By	EC, EO, JB, RD		EC, EO, JB, RD		EC, EO, JB, RD		EC, EO, JB, RD		EC, EO, JB, RD				
Trt-Eval Interval	29 DA-B		29 DA-B		29 DA-B		29 DA-B		29 DA-B				
# Subsamples, Dec.	0		0		0		0		0				
Trt Treatment	Rate	Grow	6		7		8		9		10		
No. Name	Rate	Unit	Stg										
1 Untreated				1 a	5 a	0 a	0 a	0 a	0 a	0 b			
2 Bicep II Magnum	1.79	lb ai/a	pre	0 a	0 a	0 a	0 a	0 a	0 a	0 b			
3 Bicep II Magnum	2.68	lb ai/a	pre	0 a	0 a	0 a	0 a	0 a	0 a	0 b			
4 Bicep II Magnum	3.58	lb ai/a	pre	1 a	0 a	0 a	0 a	0 a	0 a	0 b			
5 Bicep II Magnum	1.79	lb ai/a	pre	0 a	0 a	0 a	0 a	0 a	0 a	0 b			
Hornet WDG	0.098	lb ai/a	pre										
6 Bicep II Magnum	2.68	lb ai/a	pre	0 a	0 a	0 a	0 a	0 a	0 a	0 b			
Hornet WDG	0.098	lb ai/a	pre										
7 Bicep II Magnum	1.79	lb ai/a	pre	0 a	0 a	0 a	0 a	0 a	0 a	0 b			
Atrazine	1	lb ai/a	pre										
8 Bicep II Magnum	2.68	lb ai/a	pre	0 a	0 a	0 a	0 a	0 a	0 a	0 b			
Atrazine	0.5	lb ai/a	pre										
9 Bicep II Magnum	1.79	lb ai/a	pre	0 a	1 a	1 a	0 a	0 a	0 a	0 b			
Balance Pro	0.047	lb ai/a	pre										
10 Bicep II Magnum	2.68	lb ai/a	pre	0 a	0 a	0 a	0 a	0 a	0 a	0 b			
Balance Pro	0.047	lb ai/a	pre										
11 Bicep II Magnum	1.79	lb ai/a	pre	0 a	0 a	0 a	0 a	0 a	0 a	0 b			
Callisto	0.094	lb ai/a	pre										
12 Bicep II Magnum	2.68	lb ai/a	pre	0 a	0 a	0 a	0 a	0 a	0 a	0 b			
Callisto	0.094	lb ai/a	pre										
13 Steadfast	0.035	lb ai/a	post	0 a	0 a	0 a	0 a	1 a	0 a	0 b			
COC			post										
AMS			post										
14 Steadfast	0.035	lb ai/a	post	1 a	0 a	0 a	0 a	0 a	0 a	0 b			
Bicep II Magnum	1.38	lb ai/a	post										
NIS			post										
15 Steadfast	0.035	lb ai/a	post	0 a	0 a	0 a	0 a	0 a	0 a	0 b			
Callisto	0.047	lb ai/a	post										
COC			post										
AMS			post										
16 Steadfast	0.035	lb ai/a	post	0 a	0 a	0 a	0 a	0 a	0 a	1 a			
Atrazine	0.75	lb ai/a	post										
COC			post										
AMS			post										
17 Steadfast	0.0176	lb ai/a	post	0 a	0 a	0 a	0 a	0 a	0 a	1 a			
Bicep II Magnum	1.38	lb ai/a	post										
NIS			post										
18 Steadfast	0.0176	lb ai/a	post	0 a	0 a	0 a	0 a	0 a	0 a	0 b			
Lumax	0.99	lb ai/a	post										
NIS			post										
LSD (P=.05)				0.9	2.6	0.6	0.5	0.4					
Standard Deviation				0.7	1.8	0.4	0.4	0.3					
CV				339.48	622.76	489.9	848.53	291.54					
Grand Mean				0.19	0.29	0.08	0.04	0.1					
Bartlett's X2				19.999	8.063	6.443	0.0	1.796					
P(Bartlett's X2)				0.006*	0.005*	0.092	.	0.407					
Replicate F				3.273	0.958	1.000	1.000	0.634					
Replicate Prob(F)				0.0284	0.4195	0.4005	0.4005	0.5966					
Treatment F				0.915	1.518	0.882	1.000	2.980					
Treatment Prob(F)				0.5614	0.1261	0.5963	0.4736	0.0013					

# Purdue University

Weed Code	AMBTR	AMARE	SIDSP	SOLPT	POLPY
Crop Code					
Part Rated					
Rating Data Type	count	count	count	count	count
Rating Unit					
Rating Date	24/Jul/2003	24/Jul/2003	24/Jul/2003	24/Jul/2003	24/Jul/2003
Crop Stage	V11	V11	V11	V11	V11
Crop Stage Scale	6-8'	6-8'	6-8'	6-8'	6-8'
Assessed By	EC, EO, JB, RD				
Trt-Eval Interval	29 DA-B				
# Subsamples, Dec.	0	0	0	0	0

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

# Purdue University

Weed Code	ECHCG		SETFA		IPOHE		ABUTH		CHEAL	
Crop Code										
Part Rated										
Rating Data Type	count		count		count		count		count	
Rating Unit										
Rating Date	28/Aug/2003		28/Aug/2003		28/Aug/2003		28/Aug/2003		28/Aug/2003	
Crop Stage	mlk/doug		mlk/doug		mlk/doug		mlk/doug		mlk/doug	
Crop Stage Scale	8-10'		8-10'		8-10'		8-10'		8-10'	
Assessed By	EC, EO, JB, RD		EC, EO, JB, RD		EC, EO, JB, RD		EC, EO, JB, RD		EC, EO, JB, RD	
Trt-Eval Interval	64 DA-B		64 DA-B		64 DA-B		64 DA-B		64 DA-B	
# Subsamples, Dec.	0		0		0		0		0	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	11	12	13	14	15	
1	Untreated				2 a	7 a	8 a	4 a	25 a	
2	Bicep II Magnum	1.79	lb ai/a	pre	0 b	0 b	5 ab	2 ab	0 b	
3	Bicep II Magnum	2.68	lb ai/a	pre	0 b	0 b	4 ab	2 ab	1 b	
4	Bicep II Magnum	3.58	lb ai/a	pre	0 b	0 b	4 ab	1 ab	0 b	
5	Bicep II Magnum Hornet WDG	1.79 0.098	lb ai/a lb ai/a	pre pre	0 b	0 b	4 ab	0 b	0 b	
6	Bicep II Magnum Hornet WDG	2.68 0.098	lb ai/a lb ai/a	pre pre	0 b	0 b	2 ab	0 b	0 b	
7	Bicep II Magnum Atrazine	1.79 1	lb ai/a lb ai/a	pre pre	0 b	0 b	6 ab	2 ab	2 b	
8	Bicep II Magnum Atrazine	2.68 0.5	lb ai/a lb ai/a	pre pre	0 b	0 b	4 ab	2 ab	0 b	
9	Bicep II Magnum Balance Pro	1.79 0.047	lb ai/a lb ai/a	pre pre	0 b	0 b	1 b	0 b	2 b	
10	Bicep II Magnum Balance Pro	2.68 0.047	lb ai/a lb ai/a	pre pre	0 b	0 b	2 b	0 b	0 b	
11	Bicep II Magnum Callisto	1.79 0.094	lb ai/a lb ai/a	pre pre	0 b	0 b	1 b	0 b	1 b	
12	Bicep II Magnum Callisto	2.68 0.094	lb ai/a lb ai/a	pre pre	0 b	0 b	1 b	0 b	0 b	
13	Steadfast COC AMS	0.035	lb ai/a	post post post	0 b	0 b	1 b	1 b	15 b	
14	Steadfast Bicep II Magnum NIS	0.035 1.38	lb ai/a lb ai/a	post post post	0 b	0 b	1 b	3 ab	1 b	
15	Steadfast Callisto COC AMS	0.035 0.047	lb ai/a lb ai/a	post post post post	0 b	0 b	4 ab	0 b	3 b	
16	Steadfast Atrazine COC AMS	0.035 0.75	lb ai/a lb ai/a	post post post post	0 b	0 b	3 ab	1 ab	2 b	
17	Steadfast Bicep II Magnum NIS	0.0176 1.38	lb ai/a lb ai/a	post post post	0 b	3 b	1 b	0 b	1 b	
18	Steadfast Lumax NIS	0.0176 0.99	lb ai/a lb ai/a	post post post	0 b	1 b	2 b	0 b	0 b	
LSD (P=.05)					0.8	1.5	3.5	1.8	9.3	
Standard Deviation					0.6	1.0	2.5	1.3	6.6	
CV					515.35	175.35	88.48	147.08	218.98	
Grand Mean					0.11	0.6	2.83	0.89	3.01	
Bartlett's X2					5.372	21.258	35.546	22.286	128.769	
P(Bartlett's X2)					0.02*	0.001*	0.005*	0.022*	0.001*	
Replicate F					0.791	2.681	3.683	1.820	1.315	
Replicate Prob(F)					0.5047	0.0566	0.0178	0.1552	0.2797	
Treatment F					2.083	9.900	2.377	2.568	3.865	
Treatment Prob(F)					0.0225	0.0001	0.0089	0.0049	0.0001	

# Purdue University

Weed Code	ECHCG	SETFA	IPOHE	ABUTH	CHEAL
Crop Code					
Part Rated					
Rating Data Type	count	count	count	count	count
Rating Unit					
Rating Date	28/Aug/2003	28/Aug/2003	28/Aug/2003	28/Aug/2003	28/Aug/2003
Crop Stage	mlk/doug	mlk/doug	mlk/doug	mlk/doug	mlk/doug
Crop Stage Scale	8-10'	8-10'	8-10'	8-10'	8-10'
Assessed By	EC, EO, JB, RD				
Trt-Eval Interval	64 DA-B				
# Subsamples, Dec.	0	0	0	0	0

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

# Purdue University

Weed Code	AMARE	AMBTR	SIDSP	SOLPT	POLPY
Crop Code					
Part Rated					
Rating Data Type	count	count	count	count	count
Rating Unit					
Rating Date	28/Aug/2003	28/Aug/2003	28/Aug/2003	28/Aug/2003	28/Aug/2003
Crop Stage	mlk/doug	mlk/doug	mlk/doug	mlk/doug	mlk/doug
Crop Stage Scale	8-10'	8-10'	8-10'	8-10'	8-10'
Assessed By	EC, EO, JB, RD	EC, EO, JB, RD	EC, EO, JB, RD	EC, EO, JB, RD	EC, EO, JB, RD
Trt-Eval Interval	64 DA-B	64 DA-B	64 DA-B	64 DA-B	64 DA-B
# Subsamples, Dec.	0	0	0	0	0
Trt No.	16	17	18	19	20
Treatment Name					
Rate					
Unit					
Grow Stg					
1 Untreated	2 a	1 a	0 a	0 b	1 a
2 Bicep II Magnum	0 a	0 a	0 a	0 b	0 a
3 Bicep II Magnum	0 a	0 a	0 a	0 b	0 a
4 Bicep II Magnum	0 a	0 a	0 a	0 b	0 a
5 Bicep II Magnum	0 a	0 a	0 a	0 b	0 a
Hornet WDG	0.098 lb ai/a pre				
6 Bicep II Magnum	0 a	1 a	0 a	0 b	0 a
Hornet WDG	0.098 lb ai/a pre				
7 Bicep II Magnum	0 a	0 a	0 a	0 b	0 a
Atrazine	1 lb ai/a pre				
8 Bicep II Magnum	0 a	0 a	0 a	0 b	0 a
Atrazine	0.5 lb ai/a pre				
9 Bicep II Magnum	0 a	0 a	0 a	0 b	0 a
Balance Pro	0.047 lb ai/a pre				
10 Bicep II Magnum	0 a	0 a	0 a	0 b	0 a
Balance Pro	0.047 lb ai/a pre				
11 Bicep II Magnum	0 a	0 a	0 a	0 b	0 a
Callisto	0.094 lb ai/a pre				
12 Bicep II Magnum	0 a	0 a	0 a	0 b	0 a
Callisto	0.094 lb ai/a pre				
13 Steadfast	0 a	0 a	0 a	2 a	1 a
COC	0.035 lb ai/a post				
AMS	post				
14 Steadfast	0 a	0 a	0 a	0 b	1 a
Bicep II Magnum	0.035 lb ai/a post				
NIS	1.38 lb ai/a post				
15 Steadfast	0 a	0 a	0 a	0 b	0 a
Callisto	0.035 lb ai/a post				
COC	0.047 lb ai/a post				
AMS	post				
16 Steadfast	0 a	0 a	0 a	0 b	1 a
Atrazine	0.035 lb ai/a post				
COC	0.75 lb ai/a post				
AMS	post				
17 Steadfast	0 a	0 a	0 a	0 b	1 a
Bicep II Magnum	0.0176 lb ai/a post				
NIS	1.38 lb ai/a post				
18 Steadfast	0 a	0 a	0 a	0 b	0 a
Lumax	0.0176 lb ai/a post				
NIS	0.99 lb ai/a post				
LSD (P=.05)	0.8	0.6	0.4	0.9	0.7
Standard Deviation	0.6	0.4	0.3	0.6	0.5
CV	673.3	336.84	321.61	395.85	211.23
Grand Mean	0.08	0.13	0.1	0.15	0.25
Bartlett's X2	0.0	7.934	0.0	13.078	2.687
P(Bartlett's X2)	.	0.16	1.00	0.004*	0.847
Replicate F	1.000	3.212	0.900	1.456	0.332
Replicate Prob(F)	0.4005	0.0305	0.4478	0.2376	0.8022
Treatment F	1.588	1.037	0.643	2.424	1.898
Treatment Prob(F)	0.1027	0.4375	0.8403	0.0077	0.0401

# Purdue University

Weed Code	AMARE	AMBTR	SIDSP	SOLPT	POLPY
Crop Code					
Part Rated					
Rating Data Type	count	count	count	count	count
Rating Unit					
Rating Date	28/Aug/2003	28/Aug/2003	28/Aug/2003	28/Aug/2003	28/Aug/2003
Crop Stage	mlk/doug	mlk/doug	mlk/doug	mlk/doug	mlk/doug
Crop Stage Scale	8-10'	8-10'	8-10'	8-10'	8-10'
Assessed By	EC, EO, JB, RD				
Trt-Eval Interval	64 DA-B				
# Subsamples, Dec.	0	0	0	0	0

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

# Purdue University

Weed Code	CAPBP	DIGSA	TAROF	GLMXA	DATST
Crop Code					
Part Rated					
Rating Data Type	count	count	count	count	count
Rating Unit					
Rating Date	28/Aug/2003	28/Aug/2003	28/Aug/2003	28/Aug/2003	28/Aug/2003
Crop Stage	mlk/doug	mlk/doug	mlk/doug	mlk/doug	mlk/doug
Crop Stage Scale	8-10'	8-10'	8-10'	8-10'	8-10'
Assessed By	EC, EO, JB, RD	EC, EO, JB, RD	EC, EO, JB, RD	EC, EO, JB, RD	EC, EO, JB, RD
Trt-Eval Interval	64 DA-B	64 DA-B	64 DA-B	64 DA-B	64 DA-B
# Subsamples, Dec.	0	0	0	0	0
Trt No.	21	22	23	24	25
Treatment Name					
Rate					
Unit					
Grow Stg					
1 Untreated	0 a	0 a	0 a	0 a	0 a
2 Bicep II Magnum	0 a	0 a	0 a	0 a	0 a
3 Bicep II Magnum	0 a	0 a	0 a	0 a	0 a
4 Bicep II Magnum	0 a	0 a	0 a	0 a	0 a
5 Bicep II Magnum	0 a	0 a	0 a	0 a	0 a
Hornet WDG	0.098 lb ai/a pre				
6 Bicep II Magnum	0 a	0 a	0 a	0 a	0 a
Hornet WDG	0.098 lb ai/a pre				
7 Bicep II Magnum	1 a	0 a	0 a	0 a	0 a
Atrazine	1 lb ai/a pre				
8 Bicep II Magnum	0 a	0 a	0 a	0 a	0 a
Atrazine	0.5 lb ai/a pre				
9 Bicep II Magnum	0 a	0 a	0 a	1 a	0 a
Balance Pro	0.047 lb ai/a pre				
10 Bicep II Magnum	0 a	0 a	0 a	0 a	0 a
Balance Pro	0.047 lb ai/a pre				
11 Bicep II Magnum	0 a	0 a	0 a	0 a	0 a
Callisto	0.094 lb ai/a pre				
12 Bicep II Magnum	0 a	0 a	0 a	0 a	0 a
Callisto	0.094 lb ai/a pre				
13 Steadfast	0 a	0 a	0 a	0 a	0 a
COC	0.035 lb ai/a post				
AMS	post				
14 Steadfast	0 a	0 a	0 a	0 a	0 a
Bicep II Magnum	0.035 lb ai/a post				
NIS	1.38 lb ai/a post				
15 Steadfast	0 a	0 a	0 a	0 a	0 a
Callisto	0.035 lb ai/a post				
COC	0.047 lb ai/a post				
AMS	post				
16 Steadfast	0 a	0 a	0 a	0 a	0 a
Atrazine	0.035 lb ai/a post				
COC	0.75 lb ai/a post				
AMS	post				
17 Steadfast	0 a	0 a	0 a	0 a	0 a
Bicep II Magnum	0.0176 lb ai/a post				
NIS	1.38 lb ai/a post				
18 Steadfast	0 a	0 a	0 a	0 a	0 a
Lumax	0.0176 lb ai/a post				
NIS	0.99 lb ai/a post				
LSD (P=.05)	0.3	0.2	0.3	0.5	0.2
Standard Deviation	0.2	0.2	0.2	0.4	0.1
CV	848.53	605.85	486.69	848.53	848.53
Grand Mean	0.03	0.03	0.04	0.04	0.01
Bartlett's X2	0.0	0.0	0.0	0.0	0.0
P(Bartlett's X2)	.	0.001*	0.001*	.	.
Replicate F	1.000	0.654	1.238	1.000	1.000
Replicate Prob(F)	0.4005	0.5842	0.3054	0.4005	0.4005
Treatment F	1.000	0.923	0.894	1.000	1.000
Treatment Prob(F)	0.4736	0.5528	0.5837	0.4736	0.4736

# Purdue University

Weed Code	CAPBP	DIGSA	TAROF	GLMXA	DATST
Crop Code					
Part Rated					
Rating Data Type	count	count	count	count	count
Rating Unit					
Rating Date	28/Aug/2003	28/Aug/2003	28/Aug/2003	28/Aug/2003	28/Aug/2003
Crop Stage	mlk/doug	mlk/doug	mlk/doug	mlk/doug	mlk/doug
Crop Stage Scale	8-10'	8-10'	8-10'	8-10'	8-10'
Assessed By	EC, EO, JB, RD				
Trt-Eval Interval	64 DA-B				
# Subsamples, Dec.	0	0	0	0	0

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

# Purdue University

Weed Code				ZEAMX	ZEAMX	ZEAMX
Crop Code				GRAIN	GRAIN	GRAIN
Part Rated				WEIFRE	MOICON	YIELD
Rating Data Type				LB	%	bu/ac
Rating Unit				15/Oct/2003	15/Oct/2003	15/Oct/2003
Rating Date				Harvest	Harvest	Harvest
Crop Stage				141 DA-A	141 DA-A	141 DA-A
Crop Stage Scale						
Assessed By						
Trt-Eval Interval						
# Subsamples, Dec.						
Trt No.	Treatment Name	Rate	Grow Stg	26	27	28
1	Untreated			52 a	26 a	163 a
2	Bicep II Magnum	1.79 lb ai/a	pre	59 a	25 a	188 a
3	Bicep II Magnum	2.68 lb ai/a	pre	55 a	26 a	175 a
4	Bicep II Magnum	3.58 lb ai/a	pre	56 a	25 a	179 a
5	Bicep II Magnum	1.79 lb ai/a	pre	57 a	26 a	181 a
	Hornet WDG	0.098 lb ai/a	pre			
6	Bicep II Magnum	2.68 lb ai/a	pre	56 a	26 a	176 a
	Hornet WDG	0.098 lb ai/a	pre			
7	Bicep II Magnum	1.79 lb ai/a	pre	55 a	25 a	176 a
	Atrazine	1 lb ai/a	pre			
8	Bicep II Magnum	2.68 lb ai/a	pre	55 a	26 a	175 a
	Atrazine	0.5 lb ai/a	pre			
9	Bicep II Magnum	1.79 lb ai/a	pre	55 a	26 a	175 a
	Balance Pro	0.047 lb ai/a	pre			
10	Bicep II Magnum	2.68 lb ai/a	pre	57 a	26 a	182 a
	Balance Pro	0.047 lb ai/a	pre			
11	Bicep II Magnum	1.79 lb ai/a	pre	57 a	26 a	181 a
	Callisto	0.094 lb ai/a	pre			
12	Bicep II Magnum	2.68 lb ai/a	pre	58 a	26 a	183 a
	Callisto	0.094 lb ai/a	pre			
13	Steadfast	0.035 lb ai/a	post	55 a	26 a	175 a
	COC		post			
	AMS		post			
14	Steadfast	0.035 lb ai/a	post	56 a	27 a	176 a
	Bicep II Magnum	1.38 lb ai/a	post			
	NIS		post			
15	Steadfast	0.035 lb ai/a	post	52 a	25 a	168 a
	Callisto	0.047 lb ai/a	post			
	COC		post			
	AMS		post			
16	Steadfast	0.035 lb ai/a	post	56 a	26 a	177 a
	Atrazine	0.75 lb ai/a	post			
	COC		post			
	AMS		post			
17	Steadfast	0.0176 lb ai/a	post	59 a	26 a	187 a
	Bicep II Magnum	1.38 lb ai/a	post			
	NIS		post			
18	Steadfast	0.0176 lb ai/a	post	59 a	26 a	186 a
	Lumax	0.99 lb ai/a	post			
	NIS		post			
LSD (P=.05)				4.4	1.3	13.3
Standard Deviation				3.1	0.9	9.4
CV				5.55	3.61	5.3
Grand Mean				55.99	25.8	177.86
Bartlett's X2				11.06	17.772	10.722
P(Bartlett's X2)				0.853	0.403	0.871
Replicate F				3.985	1.884	4.806
Replicate Prob(F)				0.0126	0.1440	0.0050
Treatment F				1.575	1.121	1.786
Treatment Prob(F)				0.1066	0.3616	0.0567

## Purdue University

Weed Code			
Crop Code	ZEAMX	ZEAMX	ZEAMX
Part Rated	GRAIN	GRAIN	GRAIN
Rating Data Type	WEIFRE	MOICON	YIELD
Rating Unit	LB	%	bu/ac
Rating Date	15/Oct/2003	15/Oct/2003	15/Oct/2003
Crop Stage	Harvest	Harvest	Harvest
Crop Stage Scale			
Assessed By			
Trt-Eval Interval	141 DA-A	141 DA-A	141 DA-A
# Subsamples, Dec.			

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.