

Purdue University

1-Pass weed control in late planted corn

Trial ID: 03-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: 50 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: 03-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	Grow Unit	Stg	1	2	3	4	5
1	Untreated				2 a	9 a	9 a	6 a	25 a
2	Bicep II Magnum	pre			0 a	0 b	6 ab	2 b	0 b
3	Bicep II Magnum	pre			0 a	0 b	7 ab	2 b	0 b
4	Bicep II Magnum	pre			0 a	0 b	5 ab	1 b	0 b
5	Bicep II Magnum Hornet WDG	pre pre			0 a	0 b	4 ab	0 b	0 b
6	Bicep II Magnum Hornet WDG	pre pre			0 a	0 b	2 ab	0 b	0 b
7	Bicep II Magnum Atrazine	pre pre			0 a	0 b	5 ab	2 b	0 b
8	Bicep II Magnum Atrazine	pre pre			0 a	0 b	5 ab	1 b	0 b
9	Bicep II Magnum Balance Pro	pre pre			0 a	1 b	3 ab	1 b	0 b
10	Bicep II Magnum Balance Pro	pre pre			0 a	0 b	2 b	0 b	0 b
11	Bicep II Magnum Callisto	pre pre			0 a	0 b	1 b	0 b	0 b
12	Bicep II Magnum Callisto	pre pre			0 a	0 b	1 b	0 b	0 b
13	Steadfast COC AMS	post post post			0 a	0 b	3 ab	0 b	15 b
14	Steadfast Bicep II Magnum NIS	post post post			0 a	0 b	1 b	2 b	1 b
15	Steadfast Callisto COC AMS	post post post post			0 a	1 b	5 ab	0 b	0 b
16	Steadfast Atrazine COC AMS	post post post post			0 a	1 b	3 ab	3 b	2 b
17	Steadfast Bicep II Magnum NIS	post post post			0 a	3 b	1 b	0 b	2 b
18	Steadfast Lumax NIS	post post post			1 a	1 b	2 b	0 b	0 b
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*			

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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
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.

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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 No.	Treatment Name	Rate	Grow Unit	Stg	6	7	8	9	10
1	Untreated				1 a	5 a	0 a	0 a	0 b
2	Bicep II Magnum	pre			0 a	0 a	0 a	0 a	0 b
3	Bicep II Magnum	pre			0 a	0 a	0 a	0 a	0 b
4	Bicep II Magnum	pre			1 a	0 a	0 a	0 a	0 b
5	Bicep II Magnum Hornet WDG	pre pre			0 a	0 a	0 a	0 a	0 b
6	Bicep II Magnum Hornet WDG	pre pre			0 a	0 a	0 a	0 a	0 b
7	Bicep II Magnum Atrazine	pre pre			0 a	0 a	0 a	0 a	0 b
8	Bicep II Magnum Atrazine	pre pre			0 a	0 a	0 a	0 a	0 b
9	Bicep II Magnum Balance Pro	pre pre			0 a	1 a	1 a	0 a	0 b
10	Bicep II Magnum Balance Pro	pre pre			0 a	0 a	0 a	0 a	0 b
11	Bicep II Magnum Callisto	pre pre			0 a	0 a	0 a	0 a	0 b
12	Bicep II Magnum Callisto	pre pre			0 a	0 a	0 a	0 a	0 b
13	Steadfast COC AMS	post post post			0 a	0 a	0 a	1 a	0 b
14	Steadfast Bicep II Magnum NIS	post post post			1 a	0 a	0 a	0 a	0 b
15	Steadfast Callisto COC AMS	post post post post			0 a	0 a	0 a	0 a	0 b
16	Steadfast Atrazine COC AMS	post post post post			0 a	0 a	0 a	0 a	1 a
17	Steadfast Bicep II Magnum NIS	post post post			0 a	0 a	0 a	0 a	1 a
18	Steadfast Lumax NIS	post post post			0 a	0 a	0 a	0 a	0 b
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

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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

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.

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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	Grow Unit	Stg	11	12	13	14	15
1	Untreated				2 a	7 a	8 a	4 a	25 a
2	Bicep II Magnum	pre			0 b	0 b	5 ab	2 ab	0 b
3	Bicep II Magnum	pre			0 b	0 b	4 ab	2 ab	1 b
4	Bicep II Magnum	pre			0 b	0 b	4 ab	1 ab	0 b
5	Bicep II Magnum Hornet WDG	pre pre			0 b	0 b	4 ab	0 b	0 b
6	Bicep II Magnum Hornet WDG	pre pre			0 b	0 b	2 ab	0 b	0 b
7	Bicep II Magnum Atrazine	pre pre			0 b	0 b	6 ab	2 ab	2 b
8	Bicep II Magnum Atrazine	pre pre			0 b	0 b	4 ab	2 ab	0 b
9	Bicep II Magnum Balance Pro	pre pre			0 b	0 b	1 b	0 b	2 b
10	Bicep II Magnum Balance Pro	pre pre			0 b	0 b	2 b	0 b	0 b
11	Bicep II Magnum Callisto	pre pre			0 b	0 b	1 b	0 b	1 b
12	Bicep II Magnum Callisto	pre pre			0 b	0 b	1 b	0 b	0 b
13	Steadfast COC AMS	post post post			0 b	0 b	1 b	1 b	15 b
14	Steadfast Bicep II Magnum NIS	post post post			0 b	0 b	1 b	3 ab	1 b
15	Steadfast Callisto COC AMS	post post post post			0 b	0 b	4 ab	0 b	3 b
16	Steadfast Atrazine COC AMS	post post post post			0 b	0 b	3 ab	1 ab	2 b
17	Steadfast Bicep II Magnum NIS	post post post			0 b	3 b	1 b	0 b	1 b
18	Steadfast Lumax NIS	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				

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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

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.	Treatment Name	Rate	Grow Unit	Stg	16	17	18	19	20
1	Untreated				2 a	1 a	0 a	0 b	1 a
2	Bicep II Magnum	pre			0 a	0 a	0 a	0 b	0 a
3	Bicep II Magnum	pre			0 a	0 a	0 a	0 b	0 a
4	Bicep II Magnum	pre			0 a	0 a	0 a	0 b	0 a
5	Bicep II Magnum Hornet WDG	pre pre			0 a	0 a	0 a	0 b	0 a
6	Bicep II Magnum Hornet WDG	pre pre			0 a	1 a	0 a	0 b	0 a
7	Bicep II Magnum Atrazine	pre pre			0 a	0 a	0 a	0 b	0 a
8	Bicep II Magnum Atrazine	pre pre			0 a	0 a	0 a	0 b	0 a
9	Bicep II Magnum Balance Pro	pre pre			0 a	0 a	0 a	0 b	0 a
10	Bicep II Magnum Balance Pro	pre pre			0 a	0 a	0 a	0 b	0 a
11	Bicep II Magnum Callisto	pre pre			0 a	0 a	0 a	0 b	0 a
12	Bicep II Magnum Callisto	pre pre			0 a	0 a	0 a	0 b	0 a
13	Steadfast COC AMS	post post post			0 a	0 a	0 a	2 a	1 a
14	Steadfast Bicep II Magnum NIS	post post post			0 a	0 a	0 a	0 b	1 a
15	Steadfast Callisto COC AMS	post post post post			0 a	0 a	0 a	0 b	0 a
16	Steadfast Atrazine COC AMS	post post post post			0 a	0 a	0 a	0 b	1 a
17	Steadfast Bicep II Magnum NIS	post post post			0 a	0 a	0 a	0 b	1 a
18	Steadfast Lumax NIS	post post post			0 a	0 a	0 a	0 b	0 a
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				

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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

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.

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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.	Treatment Name	Rate	Grow Unit	Stg	21	22	23	24	25	
1	Untreated				0 a	0 a	0 a	0 a	0 a	
2	Bicep II Magnum	pre			0 a	0 a	0 a	0 a	0 a	
3	Bicep II Magnum	pre			0 a	0 a	0 a	0 a	0 a	
4	Bicep II Magnum	pre			0 a	0 a	0 a	0 a	0 a	
5	Bicep II Magnum Hornet WDG	pre pre			0 a	0 a	0 a	0 a	0 a	
6	Bicep II Magnum Hornet WDG	pre pre			0 a	0 a	0 a	0 a	0 a	
7	Bicep II Magnum Atrazine	pre pre			1 a	0 a	0 a	0 a	0 a	
8	Bicep II Magnum Atrazine	pre pre			0 a	0 a	0 a	0 a	0 a	
9	Bicep II Magnum Balance Pro	pre pre			0 a	0 a	0 a	1 a	0 a	
10	Bicep II Magnum Balance Pro	pre pre			0 a	0 a	0 a	0 a	0 a	
11	Bicep II Magnum Callisto	pre pre			0 a	0 a	0 a	0 a	0 a	
12	Bicep II Magnum Callisto	pre pre			0 a	0 a	0 a	0 a	0 a	
13	Steadfast COC AMS	post post post			0 a	0 a	0 a	0 a	0 a	
14	Steadfast Bicep II Magnum NIS	post post post			0 a	0 a	0 a	0 a	0 a	
15	Steadfast Callisto COC AMS	post post post post			0 a	0 a	0 a	0 a	0 a	
16	Steadfast Atrazine COC AMS	post post post post			0 a	0 a	0 a	0 a	0 a	
17	Steadfast Bicep II Magnum NIS	post post post			0 a	0 a	0 a	0 a	0 a	
18	Steadfast Lumax NIS	post post post			0 a	0 a	0 a	0 a	0 a	
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

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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

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				
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.				
Trt No.	Treatment Name	Rate	Grow Unit	Stg
			26	27
			28	
1	Untreated		52 a	26 a
2	Bicep II Magnum	pre	59 a	25 a
3	Bicep II Magnum	pre	55 a	26 a
4	Bicep II Magnum	pre	56 a	25 a
5	Bicep II Magnum Hornet WDG	pre pre	57 a	26 a
6	Bicep II Magnum Hornet WDG	pre pre	56 a	26 a
7	Bicep II Magnum Atrazine	pre pre	55 a	25 a
8	Bicep II Magnum Atrazine	pre pre	55 a	26 a
9	Bicep II Magnum Balance Pro	pre pre	55 a	26 a
10	Bicep II Magnum Balance Pro	pre pre	57 a	26 a
11	Bicep II Magnum Callisto	pre pre	57 a	26 a
12	Bicep II Magnum Callisto	pre pre	58 a	26 a
13	Steadfast COC AMS	post post post	55 a	26 a
14	Steadfast Bicep II Magnum NIS	post post post	56 a	27 a
15	Steadfast Callisto COC AMS	post post post post	52 a	25 a
16	Steadfast Atrazine COC AMS	post post post post	56 a	26 a
17	Steadfast Bicep II Magnum NIS	post post post	59 a	26 a
18	Steadfast Lumax NIS	post post post	59 a	26 a
LSD (P=.05)			4.4	1.3
Standard Deviation			3.1	0.9
CV			5.55	3.61
Grand Mean			55.99	25.8
Bartlett's X2			11.06	17.772
P(Bartlett's X2)			0.853	0.403
Replicate F			3.985	1.884
Replicate Prob(F)			0.0126	0.1440
Treatment F			1.575	1.121
Treatment Prob(F)			0.1066	0.3616

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)

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