

MSU Weed Science Research Program

Weed control and crop tolerance comparisons with DiFlexx and Laudis Flexx

Trial ID: C07-15
 Conducted: Campus C-26

Study Dir.: Sprague and Powell
 Investigator: Christy Sprague

Date Planted: Apr/28/2015 **Row Spacing:** 30 IN
Variety: Pioneer P9807 **No. of Reps:** 4
Population: 32,000 seeds/A **% OM:** 3.0
Soil Type: Loam **pH:** 6.0
Plot Size: 10 X 35 FT **Design:** RANDOMIZED COMPLETE BLOCK

Tillage: Fall chisel plow; spring soil finish
Fertilizer: 300lb/A Urea broadcast and incorporated; 150lb/A 19-19-19 starter

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	ANGR	mainly foxtail species	SETARIA SP.
2.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMBEL	RAGWEED, COMMON	AMBROSIA ARTEMISIIFOLIA L.
4.	AMAPO	AMARANTH, POWELL	AMARANTHUS POWELLII S.WATS.
5.	ABUTH	VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
6.	CAPBP	SHEPHERDSPURSE	CAPSELLA BURSA-PASTORIS (L.) MEDIK.
Crop	Code	Common Name	
1.	ZEAMX	CORN, FIELD	

Application Description

	A	B	C
Application Timing:	PRE	POST	LPOS
Date Treated:	Apr/29/2015	Jun/03/2015	Jun/09/2015
Time Treated:	3:45 PM	11:45 AM	11:45 AM
% Cloud Cover:	90	5	10
Air Temp., Unit:	66 F	77 F	70 F
% Relative Humidity:	38	49	70
Wind Speed/Unit/Dir:	7 mph	4 mph S	4 mph W
Soil Temp., Unit:	60 F	66 F	62 F
Soil/Leaf Surface M:	5	5 5	3 5
Soil Moist (1=w 5=d):	5	4	3

Crop Stage at Each Application

	A	B	C
Crop Name:	ZEAMX	ZEAMX	ZEAMX
Height (In.):	-	7"	16"
Stage (L):	-	V4	V5

Weed Stage at Each Application

	A	B	C
Weed 1 Name:	ANGR	ANGR	ANGR
Height (In.):	-	5"	0.5-3"
Stage (L):	-	many	cot-3
Weed 2 Name:	CHEAL	CHEAL	CHEAL
Height (In.):	-	1.5"	-
Stage (L):	-	6	-
Weed 3 Name:	AMBEL	AMBEL	AMBEL
Height (In.):	-	1.5"	-
Stage (L):	-	4	-
Weed 4 Name:	AMAPO	AMAPO	AMAPO
Height (In.):	-	1.5"	0.5-2"
Stage (L):	-	4	cot-4
Weed 5 Name:	ABUTH	ABUTH	ABUTH
Height (In.):	-	2"	-
Stage (L):	-	3	-
Weed 6 Name:	CAPBP	CAPBP	CAPBP
Height (In.):	-	4"	-
Stage (L):	-	-	-

Weed Density (plants/sq. ft.)

	1	2	3	4	5	6
Date:	Jun/09/2015	Jun/09/2015	Jun/09/2015	Jun/09/2015	Jun/09/2015	Jun/09/2015
Weed Name:	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	CAPBU
Density:	8	5	19	5	1	9

Application Equipment

Appl	Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A	Cub	3.8	AIXR	11003	20"	20"	100"	19	Water	28
B	Cub	3.8	AIXR	11003	30"	20"	100"	19	Water	28
C	Cub	3.8	AIXR	11003	30"	20"	100"	19	Water	28

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Weed control and crop tolerance comparisons with DiFlexx and Laudis Flexx

Trial ID: C07-15
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Weed Code								ZEMAX	ZEMAX	ANGR	CHEAL
Crop Code								injury	injury	control	control
Rating Data Type								percent	percent	percent	percent
Rating Unit								Jun/05/2015	Jun/10/2015	Jun/10/2015	Jun/10/2015
Rating Date								2 DA-B	7 DA-B	7 DA-B	7 DA-B
Trt-Eval Interval								0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	Balance Flexx	2	L	4	fl oz/a	PRE	A	0	0	99	99
1	Atrazine	90	WG	1.1	lb/a	PRE	A				
1	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
1	Interlock		L	4	fl oz/a	LPOS	C				
1	AMS		WG	8.5	lb/100 gal	LPOS	C				
2	Balance Flexx	2	L	4	fl oz/a	PRE	A	0	0	98	99
2	Atrazine	90	WG	1.1	lb/a	PRE	A				
2	DiFlexx	4.2	L	8	fl oz/a	LPOS	C				
2	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
2	Interlock		L	4	fl oz/a	LPOS	C				
2	AMS		WG	8.5	lb/100 gal	LPOS	C				
3	Balance Flexx	2	L	4	fl oz/a	PRE	A	0	0	99	99
3	Atrazine	90	WG	1.1	lb/a	PRE	A				
3	DiFlexx	4.2	L	10	fl oz/a	LPOS	C				
3	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
3	Interlock		L	4	fl oz/a	LPOS	C				
3	AMS		WG	8.5	lb/100 gal	LPOS	C				
4	Balance Flexx	2	L	4	fl oz/a	PRE	A	0	0	99	99
4	Atrazine	90	WG	1.1	lb/a	PRE	A				
4	Laudis Flexx	3.5	L	3	fl oz/a	LPOS	C				
4	DiFlexx	4.2	L	8	fl oz/a	LPOS	C				
4	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
4	Interlock		L	4	fl oz/a	LPOS	C				
4	AMS		WG	8.5	lb/100 gal	LPOS	C				
5	Balance Flexx	2	L	4	fl oz/a	PRE	A	0	0	99	99
5	Atrazine	90	WG	1.1	lb/a	PRE	A				
5	Laudis Flexx	1.6	L	32	fl oz/a	LPOS	C				
5	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
5	Interlock		L	4	fl oz/a	LPOS	C				
5	AMS		WG	8.5	lb/100 gal	LPOS	C				
6	Balance Flexx	2	L	4	fl oz/a	PRE	A	0	0	99	99
6	Atrazine	90	WG	1.1	lb/a	PRE	A				
6	Laudis Flexx	1.6	L	40	fl oz/a	LPOS	C				
6	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
6	Interlock		L	4	fl oz/a	LPOS	C				
6	AMS		WG	8.5	lb/100 gal	LPOS	C				
7	Balance Flexx	2	L	4	fl oz/a	PRE	A	0	0	97	99
7	Atrazine	90	WG	1.1	lb/a	PRE	A				
7	Status	56	WG	4	oz/a	LPOS	C				
7	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
7	Interlock		L	4	fl oz/a	LPOS	C				
7	AMS		WG	8.5	lb/100 gal	LPOS	C				
8	Untreated							0	0	0	0
9	Capreno	3.45	L	3	fl oz/a	POST	B	6	10	93	92
9	Atrazine	90	WG	1.1	lb/a	POST	B				
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
9	Interlock		L	4	fl oz/a	POST	B				
9	AMS		WG	8.5	lb/100 gal	POST	B				

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Weed Code								ZEMAX	ZEMAX	ANGR	CHEAL
Crop Code								injury	injury	control	control
Rating Data Type								percent	percent	percent	percent
Rating Unit								Jun/05/2015	Jun/10/2015	Jun/10/2015	Jun/10/2015
Rating Date								2 DA-B	7 DA-B	7 DA-B	7 DA-B
Trt-Eval Interval								0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
10	Capreno	3.45	L	3	fl oz/a	POST	B	10	9	88	95
10	Atrazine	90	WG	1.1	lb/a	POST	B				
10	DiFlexx	4.2	L	8	fl oz/a	POST	B				
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
10	Interlock		L	4	fl oz/a	POST	B				
10	AMS		WG	8.5	lb/100 gal	POST	B				
11	Laudis	3.5	L	3	fl oz/a	POST	B	0	3	88	95
11	Atrazine	90	WG	1.1	lb/a	POST	B				
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
11	Interlock		L	4	fl oz/a	POST	B				
11	AMS		WG	8.5	lb/100 gal	POST	B				
12	Laudis	3.5	L	3	fl oz/a	POST	B	16	4	96	97
12	Atrazine	90	WG	1.1	lb/a	POST	B				
12	DiFlexx	4.2	L	8	fl oz/a	POST	B				
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
12	Interlock		L	4	fl oz/a	POST	B				
12	AMS		WG	8.5	lb/100 gal	POST	B				
13	Laudis Flexx	1.6	L	32	fl oz/a	POST	B	13	5	88	96
13	Atrazine	90	WG	1.1	lb/a	POST	B				
13	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
13	Interlock		L	4	fl oz/a	POST	B				
13	AMS		WG	8.5	lb/100 gal	POST	B				
14	Laudis Flexx	1.6	L	40	fl oz/a	POST	B	19	3	92	97
14	Atrazine	90	WG	1.1	lb/a	POST	B				
14	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
14	Interlock		L	4	fl oz/a	POST	B				
14	AMS		WG	8.5	lb/100 gal	POST	B				
15	Halex GT	4.38	L	3.6	pt/a	POST	B	0	2	91	96
15	Atrazine	90	WG	1.1	lb/a	POST	B				
15	Surfactant		L	0.25	% v/v	POST	B				
15	Interlock		L	4	fl oz/a	POST	B				
15	AMS		WG	8.5	lb/100 gal	POST	B				
LSD (P=.05)								3.0	2.2	4.9	4.5
CV								50.68	65.32	3.88	3.49

Means followed by same letter do not significantly differ (P=.05, LSD)

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								AMAPO	AMBEL	ABUTH	CAPBU
Weed Code								control	control	control	control
Crop Code								percent	percent	percent	percent
Rating Data Type								Jun/10/2015	Jun/10/2015	Jun/10/2015	Jun/10/2015
Rating Unit								7 DA-B	7 DA-B	7 DA-B	7 DA-B
Rating Date								0	0	0	0
Trt-Eval Interval											
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	99
1	Atrazine	90	WG	1.1	lb/a	PRE	A				
1	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
1	Interlock		L	4	fl oz/a	LPOS	C				
1	AMS		WG	8.5	lb/100 gal	LPOS	C				
2	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	99
2	Atrazine	90	WG	1.1	lb/a	PRE	A				
2	DiFlexx	4.2	L	8	fl oz/a	LPOS	C				
2	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
2	Interlock		L	4	fl oz/a	LPOS	C				
2	AMS		WG	8.5	lb/100 gal	LPOS	C				
3	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	99
3	Atrazine	90	WG	1.1	lb/a	PRE	A				
3	DiFlexx	4.2	L	10	fl oz/a	LPOS	C				
3	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
3	Interlock		L	4	fl oz/a	LPOS	C				
3	AMS		WG	8.5	lb/100 gal	LPOS	C				
4	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	99
4	Atrazine	90	WG	1.1	lb/a	PRE	A				
4	Laudis Flexx	3.5	L	3	fl oz/a	LPOS	C				
4	DiFlexx	4.2	L	8	fl oz/a	LPOS	C				
4	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
4	Interlock		L	4	fl oz/a	LPOS	C				
4	AMS		WG	8.5	lb/100 gal	LPOS	C				
5	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	99
5	Atrazine	90	WG	1.1	lb/a	PRE	A				
5	Laudis Flexx	1.6	L	32	fl oz/a	LPOS	C				
5	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
5	Interlock		L	4	fl oz/a	LPOS	C				
5	AMS		WG	8.5	lb/100 gal	LPOS	C				
6	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	99
6	Atrazine	90	WG	1.1	lb/a	PRE	A				
6	Laudis Flexx	1.6	L	40	fl oz/a	LPOS	C				
6	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
6	Interlock		L	4	fl oz/a	LPOS	C				
6	AMS		WG	8.5	lb/100 gal	LPOS	C				
7	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	99
7	Atrazine	90	WG	1.1	lb/a	PRE	A				
7	Status	56	WG	4	oz/a	LPOS	C				
7	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
7	Interlock		L	4	fl oz/a	LPOS	C				
7	AMS		WG	8.5	lb/100 gal	LPOS	C				
8	Untreated							0	0	0	0
9	Capreno	3.45	L	3	fl oz/a	POST	B	99	86	99	86
9	Atrazine	90	WG	1.1	lb/a	POST	B				
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
9	Interlock		L	4	fl oz/a	POST	B				
9	AMS		WG	8.5	lb/100 gal	POST	B				

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								AMAPO	AMBEL	ABUTH	CAPBU
								control	control	control	control
								percent	percent	percent	percent
								Jun/10/2015	Jun/10/2015	Jun/10/2015	Jun/10/2015
								7 DA-B	7 DA-B	7 DA-B	7 DA-B
								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
10	Capreno	3.45	L	3	fl oz/a	POST	B	99	90	99	89
10	Atrazine	90	WG	1.1	lb/a	POST	B				
10	DiFlexx	4.2	L	8	fl oz/a	POST	B				
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
10	Interlock		L	4	fl oz/a	POST	B				
10	AMS		WG	8.5	lb/100 gal	POST	B				
11	Laudis	3.5	L	3	fl oz/a	POST	B	99	86	99	89
11	Atrazine	90	WG	1.1	lb/a	POST	B				
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
11	Interlock		L	4	fl oz/a	POST	B				
11	AMS		WG	8.5	lb/100 gal	POST	B				
12	Laudis	3.5	L	3	fl oz/a	POST	B	99	95	99	90
12	Atrazine	90	WG	1.1	lb/a	POST	B				
12	DiFlexx	4.2	L	8	fl oz/a	POST	B				
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
12	Interlock		L	4	fl oz/a	POST	B				
12	AMS		WG	8.5	lb/100 gal	POST	B				
13	Laudis Flexx	1.6	L	32	fl oz/a	POST	B	99	91	99	88
13	Atrazine	90	WG	1.1	lb/a	POST	B				
13	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
13	Interlock		L	4	fl oz/a	POST	B				
13	AMS		WG	8.5	lb/100 gal	POST	B				
14	Laudis Flexx	1.6	L	40	fl oz/a	POST	B	99	94	99	89
14	Atrazine	90	WG	1.1	lb/a	POST	B				
14	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
14	Interlock		L	4	fl oz/a	POST	B				
14	AMS		WG	8.5	lb/100 gal	POST	B				
15	Halex GT	4.38	L	3.6	pt/a	POST	B	96	94	99	88
15	Atrazine	90	WG	1.1	lb/a	POST	B				
15	Surfactant		L	0.25	% v/v	POST	B				
15	Interlock		L	4	fl oz/a	POST	B				
15	AMS		WG	8.5	lb/100 gal	POST	B				
LSD (P=.05)								1.6	4.9	0.0	6.2
CV								1.2	3.87	0.0	4.94

Means followed by same letter do not significantly differ (P=.05, LSD)

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Weed Code								ZEMAX	ANGR	CHEAL	AMAPO
Crop Code								injury	control	control	control
Rating Data Type								percent	percent	percent	percent
Rating Unit								Jun/16/2015	Jun/16/2015	Jun/16/2015	Jun/16/2015
Rating Date								7 DA-C	7 DA-C	7 DA-C	7 DA-C
Trt-Eval Interval								0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	Balance Flexx	2	L	4	fl oz/a	PRE	A	0	99	99	99
1	Atrazine	90	WG	1.1	lb/a	PRE	A				
1	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
1	Interlock		L	4	fl oz/a	LPOS	C				
1	AMS		WG	8.5	lb/100 gal	LPOS	C				
2	Balance Flexx	2	L	4	fl oz/a	PRE	A	9	99	99	99
2	Atrazine	90	WG	1.1	lb/a	PRE	A				
2	DiFlexx	4.2	L	8	fl oz/a	LPOS	C				
2	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
2	Interlock		L	4	fl oz/a	LPOS	C				
2	AMS		WG	8.5	lb/100 gal	LPOS	C				
3	Balance Flexx	2	L	4	fl oz/a	PRE	A	13	99	99	99
3	Atrazine	90	WG	1.1	lb/a	PRE	A				
3	DiFlexx	4.2	L	10	fl oz/a	LPOS	C				
3	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
3	Interlock		L	4	fl oz/a	LPOS	C				
3	AMS		WG	8.5	lb/100 gal	LPOS	C				
4	Balance Flexx	2	L	4	fl oz/a	PRE	A	15	99	99	99
4	Atrazine	90	WG	1.1	lb/a	PRE	A				
4	Laudis Flexx	3.5	L	3	fl oz/a	LPOS	C				
4	DiFlexx	4.2	L	8	fl oz/a	LPOS	C				
4	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
4	Interlock		L	4	fl oz/a	LPOS	C				
4	AMS		WG	8.5	lb/100 gal	LPOS	C				
5	Balance Flexx	2	L	4	fl oz/a	PRE	A	15	99	99	99
5	Atrazine	90	WG	1.1	lb/a	PRE	A				
5	Laudis Flexx	1.6	L	32	fl oz/a	LPOS	C				
5	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
5	Interlock		L	4	fl oz/a	LPOS	C				
5	AMS		WG	8.5	lb/100 gal	LPOS	C				
6	Balance Flexx	2	L	4	fl oz/a	PRE	A	16	99	99	99
6	Atrazine	90	WG	1.1	lb/a	PRE	A				
6	Laudis Flexx	1.6	L	40	fl oz/a	LPOS	C				
6	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
6	Interlock		L	4	fl oz/a	LPOS	C				
6	AMS		WG	8.5	lb/100 gal	LPOS	C				
7	Balance Flexx	2	L	4	fl oz/a	PRE	A	3	99	99	99
7	Atrazine	90	WG	1.1	lb/a	PRE	A				
7	Status	56	WG	4	oz/a	LPOS	C				
7	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
7	Interlock		L	4	fl oz/a	LPOS	C				
7	AMS		WG	8.5	lb/100 gal	LPOS	C				
8	Untreated							0	0	0	0
9	Capreno	3.45	L	3	fl oz/a	POST	B	4	99	99	99
9	Atrazine	90	WG	1.1	lb/a	POST	B				
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
9	Interlock		L	4	fl oz/a	POST	B				
9	AMS		WG	8.5	lb/100 gal	POST	B				

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								ZEMAX	ANGR	CHEAL	AMAPO
								injury	control	control	control
								percent	percent	percent	percent
								Jun/16/2015	Jun/16/2015	Jun/16/2015	Jun/16/2015
								7 DA-C	7 DA-C	7 DA-C	7 DA-C
								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
10	Capreno	3.45	L	3	fl oz/a	POST	B	5	99	99	99
10	Atrazine	90	WG	1.1	lb/a	POST	B				
10	DiFlexx	4.2	L	8	fl oz/a	POST	B				
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
10	Interlock		L	4	fl oz/a	POST	B				
10	AMS		WG	8.5	lb/100 gal	POST	B				
11	Laudis	3.5	L	3	fl oz/a	POST	B	0	99	99	99
11	Atrazine	90	WG	1.1	lb/a	POST	B				
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
11	Interlock		L	4	fl oz/a	POST	B				
11	AMS		WG	8.5	lb/100 gal	POST	B				
12	Laudis	3.5	L	3	fl oz/a	POST	B	4	99	99	99
12	Atrazine	90	WG	1.1	lb/a	POST	B				
12	DiFlexx	4.2	L	8	fl oz/a	POST	B				
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
12	Interlock		L	4	fl oz/a	POST	B				
12	AMS		WG	8.5	lb/100 gal	POST	B				
13	Laudis Flexx	1.6	L	32	fl oz/a	POST	B	7	99	99	99
13	Atrazine	90	WG	1.1	lb/a	POST	B				
13	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
13	Interlock		L	4	fl oz/a	POST	B				
13	AMS		WG	8.5	lb/100 gal	POST	B				
14	Laudis Flexx	1.6	L	40	fl oz/a	POST	B	9	99	99	99
14	Atrazine	90	WG	1.1	lb/a	POST	B				
14	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
14	Interlock		L	4	fl oz/a	POST	B				
14	AMS		WG	8.5	lb/100 gal	POST	B				
15	Halex GT	4.38	L	3.6	pt/a	POST	B	0	99	99	99
15	Atrazine	90	WG	1.1	lb/a	POST	B				
15	Surfactant		L	0.25	% v/v	POST	B				
15	Interlock		L	4	fl oz/a	POST	B				
15	AMS		WG	8.5	lb/100 gal	POST	B				
LSD (P=.05)								4.2	0.0	0.0	0.0
CV								45.34	0.0	0.0	0.0

Means followed by same letter do not significantly differ (P=.05, LSD)

MSU Weed Science Research Program

Weed control and crop tolerance comparisons with DiFlexx and Laudis Flexx

Trial ID: C07-15
 Conducted: Campus C-26

Study Dir.: Sprague and Powell
 Investigator: Christy Sprague

Weed Code								AMBEL	ABUTH	CAPBU	ZEMAX
Crop Code								control	control	control	injury
Rating Data Type								percent	percent	percent	percent
Rating Unit								Jun/16/2015	Jun/16/2015	Jun/16/2015	Jun/23/2015
Rating Date								7 DA-C	7 DA-C	7 DA-C	14 DA-C
Trt-Eval Interval								0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	0
1	Atrazine	90	WG	1.1	lb/a	PRE	A				
1	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
1	Interlock		L	4	fl oz/a	LPOS	C				
1	AMS		WG	8.5	lb/100 gal	LPOS	C				
2	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	4
2	Atrazine	90	WG	1.1	lb/a	PRE	A				
2	DiFlexx	4.2	L	8	fl oz/a	LPOS	C				
2	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
2	Interlock		L	4	fl oz/a	LPOS	C				
2	AMS		WG	8.5	lb/100 gal	LPOS	C				
3	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	2
3	Atrazine	90	WG	1.1	lb/a	PRE	A				
3	DiFlexx	4.2	L	10	fl oz/a	LPOS	C				
3	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
3	Interlock		L	4	fl oz/a	LPOS	C				
3	AMS		WG	8.5	lb/100 gal	LPOS	C				
4	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	1
4	Atrazine	90	WG	1.1	lb/a	PRE	A				
4	Laudis Flexx	3.5	L	3	fl oz/a	LPOS	C				
4	DiFlexx	4.2	L	8	fl oz/a	LPOS	C				
4	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
4	Interlock		L	4	fl oz/a	LPOS	C				
4	AMS		WG	8.5	lb/100 gal	LPOS	C				
5	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	5
5	Atrazine	90	WG	1.1	lb/a	PRE	A				
5	Laudis Flexx	1.6	L	32	fl oz/a	LPOS	C				
5	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
5	Interlock		L	4	fl oz/a	LPOS	C				
5	AMS		WG	8.5	lb/100 gal	LPOS	C				
6	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	4
6	Atrazine	90	WG	1.1	lb/a	PRE	A				
6	Laudis Flexx	1.6	L	40	fl oz/a	LPOS	C				
6	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
6	Interlock		L	4	fl oz/a	LPOS	C				
6	AMS		WG	8.5	lb/100 gal	LPOS	C				
7	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	2
7	Atrazine	90	WG	1.1	lb/a	PRE	A				
7	Status	56	WG	4	oz/a	LPOS	C				
7	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
7	Interlock		L	4	fl oz/a	LPOS	C				
7	AMS		WG	8.5	lb/100 gal	LPOS	C				
8	Untreated							0	0	0	0
9	Capreno	3.45	L	3	fl oz/a	POST	B	99	99	99	2
9	Atrazine	90	WG	1.1	lb/a	POST	B				
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
9	Interlock		L	4	fl oz/a	POST	B				
9	AMS		WG	8.5	lb/100 gal	POST	B				

MSU Weed Science Research Program

Weed control and crop tolerance comparisons with DiFlexx and Laudis Flexx

Trial ID: C07-15

Study Dir.: Sprague and Powell

Conducted: Campus C-26

Investigator: Christy Sprague

Weed Code								AMBEL	ABUTH	CAPBU	ZEMAX
Crop Code								control	control	control	injury
Rating Data Type								percent	percent	percent	percent
Rating Unit								Jun/16/2015	Jun/16/2015	Jun/16/2015	Jun/23/2015
Rating Date								7 DA-C	7 DA-C	7 DA-C	14 DA-C
Trt-Eval Interval								0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
10	Capreno	3.45	L	3	fl oz/a	POST	B	99	99	99	4
10	Atrazine	90	WG	1.1	lb/a	POST	B				
10	DiFlexx	4.2	L	8	fl oz/a	POST	B				
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
10	Interlock		L	4	fl oz/a	POST	B				
10	AMS		WG	8.5	lb/100 gal	POST	B				
11	Laudis	3.5	L	3	fl oz/a	POST	B	99	99	99	1
11	Atrazine	90	WG	1.1	lb/a	POST	B				
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
11	Interlock		L	4	fl oz/a	POST	B				
11	AMS		WG	8.5	lb/100 gal	POST	B				
12	Laudis	3.5	L	3	fl oz/a	POST	B	99	99	99	1
12	Atrazine	90	WG	1.1	lb/a	POST	B				
12	DiFlexx	4.2	L	8	fl oz/a	POST	B				
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
12	Interlock		L	4	fl oz/a	POST	B				
12	AMS		WG	8.5	lb/100 gal	POST	B				
13	Laudis Flexx	1.6	L	32	fl oz/a	POST	B	99	99	99	1
13	Atrazine	90	WG	1.1	lb/a	POST	B				
13	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
13	Interlock		L	4	fl oz/a	POST	B				
13	AMS		WG	8.5	lb/100 gal	POST	B				
14	Laudis Flexx	1.6	L	40	fl oz/a	POST	B	99	99	99	2
14	Atrazine	90	WG	1.1	lb/a	POST	B				
14	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
14	Interlock		L	4	fl oz/a	POST	B				
14	AMS		WG	8.5	lb/100 gal	POST	B				
15	Halex GT	4.38	L	3.6	pt/a	POST	B	99	99	99	0
15	Atrazine	90	WG	1.1	lb/a	POST	B				
15	Surfactant		L	0.25	% v/v	POST	B				
15	Interlock		L	4	fl oz/a	POST	B				
15	AMS		WG	8.5	lb/100 gal	POST	B				
LSD (P=.05)								0.0	0.0	0.0	3.2
CV								0.0	0.0	0.0	118.58

Means followed by same letter do not significantly differ (P=.05, LSD)

MSU Weed Science Research Program

Weed control and crop tolerance comparisons with DiFlexx and Laudis Flexx

Trial ID: C07-15
 Conducted: Campus C-26

Study Dir.: Sprague and Powell
 Investigator: Christy Sprague

Weed Code	ANGR	CHEAL	AMAPO	AMBEL							
Crop Code											
Rating Data Type	control	control	control	control							
Rating Unit	percent	percent	percent	percent							
Rating Date	Jun/23/2015	Jun/23/2015	Jun/23/2015	Jun/23/2015							
Trt-Eval Interval	14 DA-C	14 DA-C	14 DA-C	14 DA-C							
# Subsamples, Dec.	0	0	0	0							
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit	Grow Stg	Appl Code				
1	Balance Flexx	2	L	4	fl oz/a	PRE	A	98	99	97	99
1	Atrazine	90	WG	1.1	lb/a	PRE	A				
1	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
1	Interlock		L	4	fl oz/a	LPOS	C				
1	AMS		WG	8.5	lb/100 gal	LPOS	C				
2	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	98	99
2	Atrazine	90	WG	1.1	lb/a	PRE	A				
2	DiFlexx	4.2	L	8	fl oz/a	LPOS	C				
2	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
2	Interlock		L	4	fl oz/a	LPOS	C				
2	AMS		WG	8.5	lb/100 gal	LPOS	C				
3	Balance Flexx	2	L	4	fl oz/a	PRE	A	97	99	98	99
3	Atrazine	90	WG	1.1	lb/a	PRE	A				
3	DiFlexx	4.2	L	10	fl oz/a	LPOS	C				
3	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
3	Interlock		L	4	fl oz/a	LPOS	C				
3	AMS		WG	8.5	lb/100 gal	LPOS	C				
4	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	99
4	Atrazine	90	WG	1.1	lb/a	PRE	A				
4	Laudis Flexx	3.5	L	3	fl oz/a	LPOS	C				
4	DiFlexx	4.2	L	8	fl oz/a	LPOS	C				
4	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
4	Interlock		L	4	fl oz/a	LPOS	C				
4	AMS		WG	8.5	lb/100 gal	LPOS	C				
5	Balance Flexx	2	L	4	fl oz/a	PRE	A	98	99	99	99
5	Atrazine	90	WG	1.1	lb/a	PRE	A				
5	Laudis Flexx	1.6	L	32	fl oz/a	LPOS	C				
5	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
5	Interlock		L	4	fl oz/a	LPOS	C				
5	AMS		WG	8.5	lb/100 gal	LPOS	C				
6	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	99
6	Atrazine	90	WG	1.1	lb/a	PRE	A				
6	Laudis Flexx	1.6	L	40	fl oz/a	LPOS	C				
6	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
6	Interlock		L	4	fl oz/a	LPOS	C				
6	AMS		WG	8.5	lb/100 gal	LPOS	C				
7	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	98	99
7	Atrazine	90	WG	1.1	lb/a	PRE	A				
7	Status	56	WG	4	oz/a	LPOS	C				
7	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C				
7	Interlock		L	4	fl oz/a	LPOS	C				
7	AMS		WG	8.5	lb/100 gal	LPOS	C				
8	Untreated							0	0	0	0
9	Capreno	3.45	L	3	fl oz/a	POST	B	99	99	99	99
9	Atrazine	90	WG	1.1	lb/a	POST	B				
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
9	Interlock		L	4	fl oz/a	POST	B				
9	AMS		WG	8.5	lb/100 gal	POST	B				

MSU Weed Science Research Program

Weed control and crop tolerance comparisons with DiFlexx and Laudis Flexx

Trial ID: C07-15 Study Dir.: Sprague and Powell
 Conducted: Campus C-26 Investigator: Christy Sprague

								ANGR	CHEAL	AMAPO	AMBEL
Weed Code											
Crop Code											
Rating Data Type								control	control	control	control
Rating Unit								percent	percent	percent	percent
Rating Date								Jun/23/2015	Jun/23/2015	Jun/23/2015	Jun/23/2015
Trt-Eval Interval								14 DA-C	14 DA-C	14 DA-C	14 DA-C
# Subsamples, Dec.								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
10	Capreno	3.45	L	3	fl oz/a	POST	B	98	99	99	99
10	Atrazine	90	WG	1.1	lb/a	POST	B				
10	DiFlexx	4.2	L	8	fl oz/a	POST	B				
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
10	Interlock		L	4	fl oz/a	POST	B				
10	AMS		WG	8.5	lb/100 gal	POST	B				
11	Laudis	3.5	L	3	fl oz/a	POST	B	99	99	98	99
11	Atrazine	90	WG	1.1	lb/a	POST	B				
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
11	Interlock		L	4	fl oz/a	POST	B				
11	AMS		WG	8.5	lb/100 gal	POST	B				
12	Laudis	3.5	L	3	fl oz/a	POST	B	99	99	99	99
12	Atrazine	90	WG	1.1	lb/a	POST	B				
12	DiFlexx	4.2	L	8	fl oz/a	POST	B				
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
12	Interlock		L	4	fl oz/a	POST	B				
12	AMS		WG	8.5	lb/100 gal	POST	B				
13	Laudis Flexx	1.6	L	32	fl oz/a	POST	B	98	99	99	99
13	Atrazine	90	WG	1.1	lb/a	POST	B				
13	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
13	Interlock		L	4	fl oz/a	POST	B				
13	AMS		WG	8.5	lb/100 gal	POST	B				
14	Laudis Flexx	1.6	L	40	fl oz/a	POST	B	99	99	99	99
14	Atrazine	90	WG	1.1	lb/a	POST	B				
14	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
14	Interlock		L	4	fl oz/a	POST	B				
14	AMS		WG	8.5	lb/100 gal	POST	B				
15	Halex GT	4.38	L	3.6	pt/a	POST	B	99	99	99	99
15	Atrazine	90	WG	1.1	lb/a	POST	B				
15	Surfactant		L	0.25	% v/v	POST	B				
15	Interlock		L	4	fl oz/a	POST	B				
15	AMS		WG	8.5	lb/100 gal	POST	B				
LSD (P=.05)								2.0	0.3	0.9	0.0
CV								1.51	0.19	0.67	0.0

Means followed by same letter do not significantly differ (P=.05, LSD)

MSU Weed Science Research Program

Weed control and crop tolerance comparisons with DiFlexx and Laudis Flexx

Trial ID: C07-15
 Conducted: Campus C-26

Study Dir.: Sprague and Powell
 Investigator: Christy Sprague

								ABUTH	CAPBU	ZEMAX	ANGR	CHEAL
Weed Code								control	control	injury	control	control
Crop Code								percent	percent	percent	percent	percent
Rating Data Type								Jun/23/2015	Jun/23/2015	Jul/07/2015	Jul/07/2015	Jul/07/2015
Rating Unit								14 DA-C	14 DA-C	28 DA-C	28 DA-C	28 DA-C
Rating Date								0	0	0	0	0
Trt-Eval Interval												
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	0	96	99
1	Atrazine	90	WG	1.1	lb/a	PRE	A					
1	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
1	Interlock		L	4	fl oz/a	LPOS	C					
1	AMS		WG	8.5	lb/100 gal	LPOS	C					
2	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	2	96	99
2	Atrazine	90	WG	1.1	lb/a	PRE	A					
2	DiFlexx	4.2	L	8	fl oz/a	LPOS	C					
2	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
2	Interlock		L	4	fl oz/a	LPOS	C					
2	AMS		WG	8.5	lb/100 gal	LPOS	C					
3	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	0	97	99
3	Atrazine	90	WG	1.1	lb/a	PRE	A					
3	DiFlexx	4.2	L	10	fl oz/a	LPOS	C					
3	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
3	Interlock		L	4	fl oz/a	LPOS	C					
3	AMS		WG	8.5	lb/100 gal	LPOS	C					
4	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	0	99	99
4	Atrazine	90	WG	1.1	lb/a	PRE	A					
4	Laudis Flexx	3.5	L	3	fl oz/a	LPOS	C					
4	DiFlexx	4.2	L	8	fl oz/a	LPOS	C					
4	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
4	Interlock		L	4	fl oz/a	LPOS	C					
4	AMS		WG	8.5	lb/100 gal	LPOS	C					
5	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	3	99	99
5	Atrazine	90	WG	1.1	lb/a	PRE	A					
5	Laudis Flexx	1.6	L	32	fl oz/a	LPOS	C					
5	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
5	Interlock		L	4	fl oz/a	LPOS	C					
5	AMS		WG	8.5	lb/100 gal	LPOS	C					
6	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	2	99	99
6	Atrazine	90	WG	1.1	lb/a	PRE	A					
6	Laudis Flexx	1.6	L	40	fl oz/a	LPOS	C					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
6	Interlock		L	4	fl oz/a	LPOS	C					
6	AMS		WG	8.5	lb/100 gal	LPOS	C					
7	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	0	97	99
7	Atrazine	90	WG	1.1	lb/a	PRE	A					
7	Status	56	WG	4	oz/a	LPOS	C					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
7	Interlock		L	4	fl oz/a	LPOS	C					
7	AMS		WG	8.5	lb/100 gal	LPOS	C					
8	Untreated							0	0	0	0	0
9	Capreno	3.45	L	3	fl oz/a	POST	B	99	99	1	99	99
9	Atrazine	90	WG	1.1	lb/a	POST	B					
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
9	Interlock		L	4	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					

MSU Weed Science Research Program

Weed control and crop tolerance comparisons with DiFlexx and Laudis Flexx

Trial ID: C07-15
 Conducted: Campus C-26

Study Dir.: Sprague and Powell
 Investigator: Christy Sprague

								ABUTH	CAPBU	ZEMAX	ANGR	CHEAL
								control	control	injury	control	control
								percent	percent	percent	percent	percent
								Jun/23/2015	Jun/23/2015	Jul/07/2015	Jul/07/2015	Jul/07/2015
								14 DA-C	14 DA-C	28 DA-C	28 DA-C	28 DA-C
								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
10	Capreno	3.45	L	3	fl oz/a	POST	B	99	99	2	99	99
10	Atrazine	90	WG	1.1	lb/a	POST	B					
10	DiFlexx	4.2	L	8	fl oz/a	POST	B					
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
10	Interlock		L	4	fl oz/a	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
11	Laudis	3.5	L	3	fl oz/a	POST	B	99	99	0	97	99
11	Atrazine	90	WG	1.1	lb/a	POST	B					
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
11	Interlock		L	4	fl oz/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	Laudis	3.5	L	3	fl oz/a	POST	B	99	99	0	98	99
12	Atrazine	90	WG	1.1	lb/a	POST	B					
12	DiFlexx	4.2	L	8	fl oz/a	POST	B					
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
12	Interlock		L	4	fl oz/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
13	Laudis Flexx	1.6	L	32	fl oz/a	POST	B	99	99	2	97	99
13	Atrazine	90	WG	1.1	lb/a	POST	B					
13	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
13	Interlock		L	4	fl oz/a	POST	B					
13	AMS		WG	8.5	lb/100 gal	POST	B					
14	Laudis Flexx	1.6	L	40	fl oz/a	POST	B	99	99	3	98	99
14	Atrazine	90	WG	1.1	lb/a	POST	B					
14	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
14	Interlock		L	4	fl oz/a	POST	B					
14	AMS		WG	8.5	lb/100 gal	POST	B					
15	Halex GT	4.38	L	3.6	pt/a	POST	B	99	99	0	99	99
15	Atrazine	90	WG	1.1	lb/a	POST	B					
15	Surfactant		L	0.25	% v/v	POST	B					
15	Interlock		L	4	fl oz/a	POST	B					
15	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								0.7	0.0	2.6	1.4	0.0
CV								0.5	0.0	189.33	1.09	0.0

Means followed by same letter do not significantly differ (P=.05, LSD)

MSU Weed Science Research Program

Weed control and crop tolerance comparisons with DiFlexx and Laudis Flexx

Trial ID: C07-15
 Conducted: Campus C-26

Study Dir.: Sprague and Powell
 Investigator: Christy Sprague

Weed Code	AMAPO	AMBEL	ABUTH	ZEAMX	ZEAMX
Crop Code				moisture	yield
Rating Data Type	control	control	control	percent	bu/acre
Rating Unit	percent	percent	percent		
Rating Date	Jul/07/2015	Jul/07/2015	Jul/07/2015	Oct/16/2015	Oct/16/2015
Trt-Eval Interval	28 DA-C	28 DA-C	28 DA-C	129 DA-C	at 15% M
# Subsamples, Dec.	0	0	0	1	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	AMAPO	AMBEL	ABUTH	ZEAMX moisture percent	ZEAMX yield bu/acre
1	Balance Flexx	2	L	4	fl oz/a	PRE	A	97	99	99	18.1	276
1	Atrazine	90	WG	1.1	lb/a	PRE	A					
1	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
1	Interlock		L	4	fl oz/a	LPOS	C					
1	AMS		WG	8.5	lb/100 gal	LPOS	C					
2	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	18.5	262
2	Atrazine	90	WG	1.1	lb/a	PRE	A					
2	DiFlexx	4.2	L	8	fl oz/a	LPOS	C					
2	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
2	Interlock		L	4	fl oz/a	LPOS	C					
2	AMS		WG	8.5	lb/100 gal	LPOS	C					
3	Balance Flexx	2	L	4	fl oz/a	PRE	A	96	98	99	18.8	259
3	Atrazine	90	WG	1.1	lb/a	PRE	A					
3	DiFlexx	4.2	L	10	fl oz/a	LPOS	C					
3	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
3	Interlock		L	4	fl oz/a	LPOS	C					
3	AMS		WG	8.5	lb/100 gal	LPOS	C					
4	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	18.7	257
4	Atrazine	90	WG	1.1	lb/a	PRE	A					
4	Laudis Flexx	3.5	L	3	fl oz/a	LPOS	C					
4	DiFlexx	4.2	L	8	fl oz/a	LPOS	C					
4	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
4	Interlock		L	4	fl oz/a	LPOS	C					
4	AMS		WG	8.5	lb/100 gal	LPOS	C					
5	Balance Flexx	2	L	4	fl oz/a	PRE	A	98	99	99	18.6	257
5	Atrazine	90	WG	1.1	lb/a	PRE	A					
5	Laudis Flexx	1.6	L	32	fl oz/a	LPOS	C					
5	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
5	Interlock		L	4	fl oz/a	LPOS	C					
5	AMS		WG	8.5	lb/100 gal	LPOS	C					
6	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	19.2	254
6	Atrazine	90	WG	1.1	lb/a	PRE	A					
6	Laudis Flexx	1.6	L	40	fl oz/a	LPOS	C					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
6	Interlock		L	4	fl oz/a	LPOS	C					
6	AMS		WG	8.5	lb/100 gal	LPOS	C					
7	Balance Flexx	2	L	4	fl oz/a	PRE	A	99	99	99	19.7	256
7	Atrazine	90	WG	1.1	lb/a	PRE	A					
7	Status	56	WG	4	oz/a	LPOS	C					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	LPOS	C					
7	Interlock		L	4	fl oz/a	LPOS	C					
7	AMS		WG	8.5	lb/100 gal	LPOS	C					
8	Untreated							0	0	0	18.9	136
9	Capreno	3.45	L	3	fl oz/a	POST	B	99	99	99	19.0	259
9	Atrazine	90	WG	1.1	lb/a	POST	B					
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
9	Interlock		L	4	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					

MSU Weed Science Research Program

Weed control and crop tolerance comparisons with DiFlexx and Laudis Flexx

Trial ID: C07-15

Study Dir.: Sprague and Powell

Conducted: Campus C-26

Investigator: Christy Sprague

Weed Code								AMAPO	AMBEL	ABUTH	ZEAMX	ZEAMX
Crop Code								control	control	control	moisture	yield
Rating Data Type								percent	percent	percent	percent	bu/acre
Rating Unit								Jul/07/2015	Jul/07/2015	Jul/07/2015	Oct/16/2015	Oct/16/2015
Rating Date								28 DA-C	28 DA-C	28 DA-C	129 DA-C	at 15% M
Trt-Eval Interval								0	0	0	1	0
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
10	Capreno	3.45	L	3	fl oz/a	POST	B	99	99	99	19.0	247
10	Atrazine	90	WG	1.1	lb/a	POST	B					
10	DiFlexx	4.2	L	8	fl oz/a	POST	B					
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
10	Interlock		L	4	fl oz/a	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
11	Laudis	3.5	L	3	fl oz/a	POST	B	99	99	99	19.0	262
11	Atrazine	90	WG	1.1	lb/a	POST	B					
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
11	Interlock		L	4	fl oz/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	Laudis	3.5	L	3	fl oz/a	POST	B	99	99	99	18.7	255
12	Atrazine	90	WG	1.1	lb/a	POST	B					
12	DiFlexx	4.2	L	8	fl oz/a	POST	B					
12	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
12	Interlock		L	4	fl oz/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
13	Laudis Flexx	1.6	L	32	fl oz/a	POST	B	99	99	99	18.9	256
13	Atrazine	90	WG	1.1	lb/a	POST	B					
13	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
13	Interlock		L	4	fl oz/a	POST	B					
13	AMS		WG	8.5	lb/100 gal	POST	B					
14	Laudis Flexx	1.6	L	40	fl oz/a	POST	B	99	99	99	19.5	251
14	Atrazine	90	WG	1.1	lb/a	POST	B					
14	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
14	Interlock		L	4	fl oz/a	POST	B					
14	AMS		WG	8.5	lb/100 gal	POST	B					
15	Halex GT	4.38	L	3.6	pt/a	POST	B	99	99	99	18.8	261
15	Atrazine	90	WG	1.1	lb/a	POST	B					
15	Surfactant		L	0.25	% v/v	POST	B					
15	Interlock		L	4	fl oz/a	POST	B					
15	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								1.5	0.8	0.0	0.84	16.3
CV								1.16	0.63	0.0	3.11	4.55

Means followed by same letter do not significantly differ (P=.05, LSD)