

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4 Location: Agronomy Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Carbondale IL 62901 USA
 Trial Status: FINAL Initiation Date: 10-28-10

Objectives: Evaluate the efficacy of Powerflex and commercial standards on winter annual grass and broadleaf weeds in winter wheat applied fall or spring.

Crop 1: TRZAW Winter wheat Variety: AgriPro Branson
 Planting Method: SEED Planting Date: 10-28-10
 Rate, Unit: 1.4 mil. S/A Depth, Unit: 1 IN
 Row Spacing, Unit: 7.5 IN

Pest 1 Type: W Code: LAMAM Lamium amplexicaule L. henbit
 Pest 2 Type: W Code: HORPU Hordeum pusillum Nutt. barley, little
 Pest 3 Type: W Code: ALLVI Allium vineale L. garlic, wild
 Pest 4 Type: W Code: AMBEL Ambrosia artemisiifolia L. ragweed, common

Plot Width, Unit: 12 FT Site Type: FIELD
 Plot Length, Unit: 30 FT Tillage Type: NO-TILL
 Replications: 4 Study Design: Randomized Complete Block

Prior Crops, Year
 1. GLXMA 2010

Field Prep./Maintenance: Fall: N 27 LB/A, P2O5 69 LB/A, K2O 0 LB/A as DAP
 Spring: N 95 LB/A, P2O5 0 LB/A, K2O 0 LB/A as 32% UAN

% OM: 1.7 Texture: SILT LOAM
 pH: 6 Soil Name: WEIR
 CEC: 8.2 Fert. Level: P1: 64 LB/A, K: 319 LB/A

	Application Description		
	A	B	C
Application Date:	10-29-10	12-2-10	3-22-11
Time of Day:	11:25	12:00	10:00
Application Method:	Spray	Spray	Spray
Application Timing:	BURNDN	FALL	SPRING
Application Placement:	BROFOL	BROFOL	BROFOL
Applied By:	DKP	DKP	NRJ
Air Temperature, Unit:	53 F	39 F	66 F
% Relative Humidity:	34	54	66
Wind Velocity, Unit:	2 MPH	1 MPH	5 MPH
Wind Direction:	NW	NE	S
Dew Presence (Y/N):	N	N	N
Soil Temperature, Unit:	47 F	38 F	54 F
Soil Moisture:	NORMAL	ABONOR	NORMAL
% Cloud Cover:	5	80	40
	29-10-10	2-12-10	22-3-11
Crop stage at application:	NA	FK1	FK2
Height Min, Max (inch):		2 3 3	6

	Pest Stage At Each Application		
	10-29-10	12-2-10	3-22-11
Application Date:	10-29-10	12-2-10	3-22-11
Weed Code:	LAMAM	LAMAM	LAMAM
Stage Majority (leaves):			8
Stage Min, Max:			5 10
Height Majority:			1.5 IN
Height Min, Max:			1 2
Density, Unit:			0.1 FT2
Weed Code:	HORPU	HORPU	HORPU
Stage Majority (leaves):	2	7	12
Stage Min, Max:	spik 4	1 20	5 30
Height Majority:	1.5 IN	2.5 IN	1.5 IN
Height Min, Max:	0.5 3	1 3.5	1 2
Density, Unit:	2 FT2	3 FT2	5 FT2
Weed Code:	ALLVI	ALLVI	ALLVI
Stage Majority (leaves):	2	2	2
Stage Min, Max:	1 2	1 7	2 4
Height Majority:	4 IN	4.5 IN	5 IN
Height Min, Max:	3 6	3 7	3 8
Density, Unit:	1 FT2	1 FT2	10 FT2
Weed Code:	AMBEL	AMBEL	AMBEL
Stage Majority (leaves):			2
Stage Min, Max:			coty 2
Height Majority:			0.5 IN
Height Min, Max:			0.5 0.75
Density, Unit:			7 FT2

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Application Equipment

Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

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Pest Code										TRZAW	TRZAW	TRZAW	TRZAW
Crop Code										12-6-10	12-10-10	12-17-10	12-31-10
Rating Date										Chlorosis	Chlorosis	Chlorosis	Chlorosis
Rating Data Type										Percent	Percent	Percent	Percent
Rating Unit													
Rating Timing													
Trt-Eval Interval										4 DA-B	8 DA-B	15 DA-B	29 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 a	0 a
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
1	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B				
1	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
2	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B	0 a	0 a	0 a	0 a
2	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
2	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
3	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 a	0 a
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
3	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B				
3	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
4	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B	0 a	0 a	0 a	0 a
4	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
4	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
5	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 a	0 a
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
5	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B				
5	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
6	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B	0 a	0 a	0 a	0 a
6	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
6	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
7	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 a	0 a
7	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
7	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B				
7	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
8	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B	0 a	0 a	0 a	0 a
8	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
9	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
9	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C				
9	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				
10	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C				
10	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
10	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				
11	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
11	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C				
11	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				
12	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C				
12	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
12	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				
13	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
13	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C				
13	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				
14	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C				
14	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
14	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				

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Pest Code										
Crop Code									TRZAW	TRZAW
Rating Date									12-6-10	12-10-10
Rating Data Type									Chlorosis	Chlorosis
Rating Unit									Percent	Percent
Rating Timing									Percent	Percent
Trt-Eval Interval									4 DA-B	8 DA-B
									15 DA-B	29 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
15	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				
15	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
15	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C				
15	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
16	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C				
16	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
17	NONTREATED									0 a	0 a	0 a	0 a
LSD (P=.05)										0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000

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

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Pest Code											TRZAW	TRZAW	TRZAW	TRZAW	TRZAW
Crop Code											3-25-11	3-29-11	4-5-11	4-19-11	5-3-11
Rating Date											Chlorosis	Chlorosis	Chlorosis	Chlorosis	Chlorosis
Rating Data Type											Percent	Percent	Percent	Percent	Percent
Rating Unit											113 DA-B	14 DA-green	124 DA-B	138 DA-B	152 DA-B
Rating Timing											3 DA-C	7 DA-C	14 DA-C	28 DA-C	42 DA-C
Trt-Eval Interval															

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 c	0 a	0 a	
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
1	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B						
1	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
2	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B	0 a	0 a	0 c	0 a	0 a	
2	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
2	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
3	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 c	0 a	0 a	
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
3	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B						
3	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
4	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B	0 a	0 a	0 c	0 a	0 a	
4	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
4	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
5	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 c	0 a	0 a	
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
5	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B						
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5	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
6	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B	0 a	0 a	0 c	0 a	0 a	
6	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
6	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
7	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 c	0 a	0 a	
7	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
7	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B						
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8	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B	0 a	0 a	0 c	0 a	0 a	
8	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
9	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	5 a	0 a	0 a	
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
9	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C						
9	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
10	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C	0 a	0 a	5 a	0 a	0 a	
10	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
10	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
11	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 c	0 a	0 a	
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
11	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C						
11	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
12	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C	0 a	0 a	5 a	0 a	0 a	
12	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
12	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
13	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	4 b	0 a	0 a	
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
13	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C						
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13	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
14	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C	0 a	0 a	5 a	0 a	0 a	
14	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
14	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						

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Rating Date										3-25-11	3-29-11	4-5-11	4-19-11	5-3-11
Rating Data Type										Chlorosis	Chlorosis	Chlorosis	Chlorosis	Chlorosis
Rating Unit										Percent	Percent	Percent	Percent	Percent
Rating Timing										113 DA-B	14 DA-green	124 DA-B	138 DA-B	152 DA-B
Trt-Eval Interval										3 DA-C	7 DA-C	14 DA-C	28 DA-C	42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
15	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 c	0 a	0 a
15	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A					
15	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C					
15	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C					
16	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C	0 a	0 a	4 b	0 a	0 a
16	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C					
17	NONTREATED									0 a	0 a	0 c	0 a	0 a
LSD (P=.05)										0.0	0.0	0.6	0.0	0.0
Replicate F										0.000	0.000	0.201	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	0.8954	1.0000	1.0000
Treatment F										0.000	0.000	110.003	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	0.0001	1.0000	1.0000

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

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Pest Code										TRZAW	TRZAW	TRZAW	TRZAW
Crop Code										12-6-10	12-10-10	12-17-10	12-31-10
Rating Date										Stunt	Stunt	Stunt	Stunt
Rating Data Type										Percent	Percent	Percent	Percent
Rating Unit													
Rating Timing													
Trt-Eval Interval										4 DA-B	8 DA-B	15 DA-B	29 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
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1	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
2	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B	0 a	0 a	0 a	0 a
2	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
2	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
3	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 a	0 a
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
3	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B				
3	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
4	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B	0 a	0 a	0 a	0 a
4	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
4	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
5	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 a	0 a
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
5	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B				
5	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
6	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B	0 a	0 a	0 a	0 a
6	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
6	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B				
7	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 a	0 a
7	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
7	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B				
7	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
8	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B	0 a	0 a	0 a	0 a
8	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B				
9	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
9	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C				
9	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				
10	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C				
10	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
10	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				
11	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
11	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C				
11	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				
12	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C				
12	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
12	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				
13	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
13	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C				
13	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				
14	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C				
14	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
14	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C				

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4

Location: Agronomy Res. Center

Pest Code												
Crop Code									TRZAW	TRZAW	TRZAW	TRZAW
Rating Date									12-6-10	12-10-10	12-17-10	12-31-10
Rating Data Type									Stunt	Stunt	Stunt	Stunt
Rating Unit									Percent	Percent	Percent	Percent
Rating Timing												
Trt-Eval Interval									4 DA-B	8 DA-B	15 DA-B	29 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
15	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				
15	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A				
15	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C				
15	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
16	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C				
16	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C				
17	NONTREATED									0 a	0 a	0 a	0 a
LSD (P=.05)										0.0	0.0	0.0	0.0
Replicate F										0.000	0.000	0.000	0.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000
Treatment F										0.000	0.000	0.000	0.000
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000

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

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4

Location: Agronomy Res. Center

Pest Code											TRZAW	TRZAW	TRZAW	TRZAW	TRZAW
Crop Code											3-25-11	3-29-11	4-5-11	4-19-11	5-3-11
Rating Date											Stunt	Stunt	Stunt	Stunt	Stunt
Rating Data Type											Percent	Percent	Percent	Percent	Percent
Rating Unit											113 DA-B	14 DA-green	124 DA-B	138 DA-B	152 DA-B
Rating Timing											3 DA-C	7 DA-C	14 DA-C	28 DA-C	42 DA-C
Trt-Eval Interval															

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	1 def	0 d	0 d	
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
1	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B						
1	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
2	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B	0 a	0 a	3 d	0 d	0 d	
2	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
2	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
3	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	1 def	0 d	0 d	
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
3	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B						
3	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
4	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B	0 a	0 a	3 def	0 d	0 d	
4	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
4	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
5	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 f	0 d	0 d	
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
5	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B						
5	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
6	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B	0 a	0 a	0 f	0 d	0 d	
6	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
6	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
7	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	1 ef	0 d	3 d	
7	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
7	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B						
7	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
8	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B	0 a	0 a	3 de	5 d	3 d	
8	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
9	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	20 a	4 d	0 d	
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
9	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C						
9	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
10	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C	0 a	0 a	20 a	14 bc	24 a	
10	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
10	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
11	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	0 f	0 d	0 d	
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
11	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C						
11	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
12	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C	0 a	0 a	20 a	21 ab	15 c	
12	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
12	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
13	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	12 c	6 cd	0 d	
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
13	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C						
13	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
14	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C	0 a	0 a	20 a	23 a	21 ab	
14	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
14	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4

Location: Agronomy Res. Center

Pest Code														
Crop Code										TRZAW	TRZAW	TRZAW	TRZAW	TRZAW
Rating Date										3-25-11	3-29-11	4-5-11	4-19-11	5-3-11
Rating Data Type										Stunt	Stunt	Stunt	Stunt	Stunt
Rating Unit										Percent	Percent	Percent	Percent	Percent
Rating Timing										113 DA-B	14 DA-green	124 DA-B	138 DA-B	152 DA-B
Trt-Eval Interval										3 DA-C	7 DA-C	14 DA-C	28 DA-C	42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
15	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0 a	0 a	2 def	3 d	1 d
15	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A					
15	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C					
15	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C					
16	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C	0 a	0 a	16 b	20 ab	18 bc
16	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C					
17	NONTREATED									0 a	0 a	0 f	0 d	0 d
LSD (P=.05)										0.0	0.0	2.7	7.7	5.9
Replicate F										0.000	0.000	0.071	0.910	0.429
Replicate Prob(F)										1.0000	1.0000	0.9754	0.4430	0.7334
Treatment F										0.000	0.000	82.219	9.462	17.022
Treatment Prob(F)										1.0000	1.0000	0.0001	0.0001	0.0001

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

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4

Location: Agronomy Res. Center

								LAMAM	LAMAM	LAMAM	LAMAM	LAMAM	LAMAM		
								12-17-10	12-31-10	3-29-11	4-5-11	4-19-11	5-3-11		
								Control	Control	Control	Control	Control	Control		
								Percent	Percent	Percent	Percent	Percent	Percent		
								15 DA-B	29 DA-B	14 DA-green	124 DA-B	138 DA-B	152 DA-B		
								7 DA-C	14 DA-C	28 DA-C	42 DA-C				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	96 a	96 a	99 a	99 a	99 a	99 a
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
1	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B						
1	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
2	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B	0 b	0 b	99 a	99 a	99 ab	99 a
2	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
2	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
3	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	96 a	96 a	99 a	99 a	99 a	99 a
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
3	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B						
3	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
4	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B	0 b	0 b	99 a	99 a	99 a	99 a
4	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
4	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
5	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	96 a	96 a	99 a	99 a	99 a	99 a
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
5	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B						
5	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
6	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B	0 b	0 b	99 a	99 a	99 a	99 a
6	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
6	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
7	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	96 a	96 a	99 a	99 a	99 a	99 a
7	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
7	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B						
7	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
8	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B	0 b	0 b	99 a	99 a	99 a	99 a
8	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
9	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				98 a	99 ab	99 a
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
9	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C						
9	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
10	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C				95 ab	99 ab	99 a
10	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
10	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
11	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				95 ab	99 a	99 a
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
11	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C						
11	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
12	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C				93 ab	99 a	99 a
12	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
12	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
13	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				90 bc	99 a	99 a
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
13	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C						
13	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
14	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C				81 d	98 b	99 a
14	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
14	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4

Location: Agronomy Res. Center

Pest Code										LAMAM	LAMAM	LAMAM	LAMAM	LAMAM	LAMAM
Crop Code															
Rating Date										12-17-10	12-31-10	3-29-11	4-5-11	4-19-11	5-3-11
Rating Data Type										Control	Control	Control	Control	Control	Control
Rating Unit										Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing												14 DA-green	124 DA-B	138 DA-B	152 DA-B
Trt-Eval Interval										15 DA-B	29 DA-B	7 DA-C	14 DA-C	28 DA-C	42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code												
15	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				97	ab	99	ab	99	a			
15	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A												
15	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C												
15	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C												
16	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C				86	cd	99	a	99	a			
16	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C												
17	NONTREATED									0	b	0	b	0	b	0	e	0	c	0	b
LSD (P=.05)										1.7	1.5	0.0	7.2	0.9	0.0						
Replicate F										1.812	1.649	0.000	1.117	1.451	0.000						
Replicate Prob(F)										0.1719	0.2044	1.0000	0.3516	0.2396	1.0000						
Treatment F										7953.889	9073.603	0.000	88.547	5532.558	0.000						
Treatment Prob(F)										0.0001	0.0001	1.0000	0.0001	0.0001	1.0000						

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

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4

Location: Agronomy Res. Center

Pest Code	Crop Code	Rating Date	Rating Data Type	Rating Unit	Rating Timing	Trt-Eval Interval				HORPU	HORPU	HORPU	HORPU	HORPU	HORPU
										12-17-10	12-31-10	3-29-11	4-5-11	4-19-11	5-3-11
										Control	Control	Control	Control	Control	Control
										Percent	Percent	Percent	Percent	Percent	Percent
										15 DA-B	29 DA-B	14 DA-green	124 DA-B	138 DA-B	152 DA-B
												7 DA-C	14 DA-C	28 DA-C	42 DA-C
1	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	98 a	98 ab	97 a	96 a	96 a	96 a
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
1	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B						
1	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
2	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B	0 b	0 c	33 c	35 f	33 d	28 d
2	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
2	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
3	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	96 a	96 b	65 b	66 cd	59 c	53 c
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
3	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B						
3	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
4	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B	0 b	0 c	11 de	9 gh	1 f	0 e
4	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
4	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
5	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	98 a	97 b	94 a	93 a	93 a	90 ab
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
5	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B						
5	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
6	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B	0 b	0 c	13 d	13 g	14 ef	8 e
6	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
6	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B						
7	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	98 a	99 a	87 a	86 ab	87 ab	89 ab
7	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
7	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B						
7	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
8	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B	0 b	0 c	14 d	13 g	8 ef	3 e
8	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B						
9	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				80 b	81 ab	86 ab
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
9	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C						
9	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
10	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C				10 gh	25 de	6 e
10	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
10	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
11	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				50 e	54 c	53 c
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
11	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C						
11	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
12	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C				6 gh	0 f	0 e
12	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
12	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
13	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A				75 bc	78 ab	75 b
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
13	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C						
13	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						
14	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C				10 gh	15 def	8 e
14	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
14	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C						

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4

Location: Agronomy Res. Center

										HORPU	HORPU	HORPU	HORPU	HORPU	HORPU						
Pest Code										12-17-10	12-31-10	3-29-11	4-5-11	4-19-11	5-3-11						
Crop Code										Control	Control	Control	Control	Control	Control						
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent						
Rating Data Type										15 DA-B	29 DA-B	14 DA-green	124 DA-B	138 DA-B	152 DA-B						
Rating Unit												7 DA-C	14 DA-C	28 DA-C	42 DA-C						
Rating Timing																					
Trt-Eval Interval																					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code												
15	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A			55	de	70	bc	72	b				
15	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A												
15	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C												
15	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C												
16	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C			6	gh	4	f		0 e				
16	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C												
17	NONTREATED									0	b	0	c	0	e	0	h	0	f	0	e
LSD (P=.05)										2.1	1.9	12.4	11.6	18.5	18.4						
Replicate F										1.320	2.856	0.889	0.732	0.486	0.759						
Replicate Prob(F)										0.2911	0.0582	0.4609	0.5378	0.6934	0.5227						
Treatment F										5227.392	5950.426	86.869	75.732	31.701	35.805						
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001						

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

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4

Location: Agronomy Res. Center

Pest Code	Crop Code	Rating Date	Rating Data Type	Rating Unit	Rating Timing	Trt-Eval Interval	ALLVI	ALLVI	ALLVI	ALLVI	ALLVI	ALLVI									
							12-17-10	12-31-10	3-29-11	4-5-11	4-19-11	5-3-11									
							Control	Control	Control	Control	Control	Control									
							Percent	Percent	Percent	Percent	Percent	Percent									
							15 DA-B	29 DA-B	14 DA-green	124 DA-B	138 DA-B	152 DA-B									
									7 DA-C	14 DA-C	28 DA-C	42 DA-C									
1	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0	a	0	b	81	a	82	a	81	a	84	a
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A												
1	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B												
1	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B												
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B												
2	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B	0	a	0	b	73	bc	68	bcd	60	bcd	54	b-e
2	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B												
2	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B												
3	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0	a	5	a	69	c	71	abc	71	ab	70	ab
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A												
3	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B												
3	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B												
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B												
4	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B	0	a	0	b	60	d	64	cd	63	bc	60	bcd
4	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B												
4	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B												
5	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0	a	0	b	61	d	61	cd	50	cde	63	bcd
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A												
5	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B												
5	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B												
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B												
6	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B	0	a	0	b	58	d	56	de	53	cd	48	de
6	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B												
6	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B												
7	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0	a	5	a	78	ab	79	ab	81	a	83	a
7	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A												
7	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B												
7	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B												
8	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B	0	a	0	b	83	a	84	a	86	a	69	abc
8	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B												
9	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A					64	cd	71	ab	68	abc		
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A												
9	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C												
9	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C												
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C												
10	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C					23	gh	50	cde	58	b-e		
10	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C												
10	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C												
11	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A					45	ef	48	cde	48	de		
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A												
11	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C												
11	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C												
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C												
12	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C					10	hi	50	cde	53	cde		
12	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C												
12	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C												
13	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A					41	f	63	bc	65	bc		
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A												
13	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C												
13	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C												
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C												
14	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C					10	hi	35	e	43	e		
14	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C												
14	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C												

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4

Location: Agronomy Res. Center

Pest Code	ALLVI	ALLVI	ALLVI	ALLVI	ALLVI	ALLVI
Crop Code						
Rating Date	12-17-10	12-31-10	3-29-11	4-5-11	4-19-11	5-3-11
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing			14 DA-green	124 DA-B	138 DA-B	152 DA-B
Trt-Eval Interval	15 DA-B	29 DA-B	7 DA-C	14 DA-C	28 DA-C	42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
15	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A		26	g	60 bcd 63 bcd		
15	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A						
15	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C						
15	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
16	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C		10	hi	46 de 58 b-e		
16	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C						
17	NONTREATED										0	a	0 b 0 e 0 i 0 f 0 f		
LSD (P=.05)										0.0	4.0	5.7	12.9	15.1	17.0
Replicate F										0.000	1.000	1.578	0.860	1.179	1.661
Replicate Prob(F)										1.0000	0.4098	0.2208	0.4681	0.3275	0.1880
Treatment F										0.000	2.625	163.938	39.158	14.807	9.910
Treatment Prob(F)										1.0000	0.0321	0.0001	0.0001	0.0001	0.0001

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

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4

Location: Agronomy Res. Center

Pest Code	AMBEL	AMBEL
Crop Code		
Rating Date	4-19-11	5-3-11
Rating Data Type	Control	Control
Rating Unit	Percent	Percent
Rating Timing	138 DA-B	152 DA-B
Trt-Eval Interval	28 DA-C	42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
1	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0	c
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A		
1	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B		
1	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B		
1	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B		
2	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	FALL	B	0	c
2	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B		
2	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B		
3	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0	c
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A		
3	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B		
3	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B		
3	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B		
4	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	FALL	B	0	c
4	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B		
4	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B		
5	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	0	c
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A		
5	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B		
5	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B		
5	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B		
6	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	FALL	B	0	c
6	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B		
6	AMS	100	SG	1.52	lb/a	1.52	lb/a	FALL	B		
7	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	9	b
7	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A		
7	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B		
7	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B		
8	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	FALL	B	1	c
8	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	FALL	B		
9	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	92	a
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A		
9	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C		
9	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C		
9	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C		
10	POWERFLEX	7.5	WG	0.0164	lb ai/a	3.5	oz/a	SPRING	C	95	a
10	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C		
10	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C		
11	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	96	a
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A		
11	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C		
11	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C		
11	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C		
12	HARMONY EXTRA SG	50	SG	0.0234	lb ai/a	0.75	oz/a	SPRING	C	96	a
12	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C		
12	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C		
13	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	92	a
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A		
13	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C		
13	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C		
13	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C		
14	OLYMPUS FLEX	11.25	WG	0.0223	lb ai/a	3.17	oz/a	SPRING	C	96	a
14	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C		
14	AMS	100	SG	1.52	lb/a	1.52	lb/a	SPRING	C		

Powerflex Grass and Broadleaf Weed Control in Wheat.

Trial ID: 11-ARC-4

Location: Agronomy Res. Center

Pest Code		AMBEL	AMBEL
Crop Code			
Rating Date		4-19-11	5-3-11
Rating Data Type		Control	Control
Rating Unit		Percent	Percent
Rating Timing		138 DA-B	152 DA-B
Trt-Eval Interval		28 DA-C	42 DA-C

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
15	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	fl oz/a	BURNDN	A	96	a
15	AMS	100	SG	1.52	lb/a	1.52	lb/a	BURNDN	A		
15	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C		
15	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C		
16	FINESSE	75	WG	0.0188	lb ai/a	0.4	oz/a	SPRING	C	96	a
16	NIS (ACTIVATOR 90)	100	SL	0.5	% v/v	0.5	% v/v	SPRING	C		95
17	NONTREATED									0	c
LSD (P=.05)										5.5	17.2
Replicate F										0.808	1.046
Replicate Prob(F)										0.4955	0.3810
Treatment F										634.935	61.469
Treatment Prob(F)										0.0001	0.0001

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

Trial Comments

1. Protocol: Dow (NA10C2B049).

2. Ratings:

CI (chlorosis and growth inhibition) at 3, 7, 14, and 28 DA-B and 14 DA spring greenup;

CI at 3, 7, 14, 28 and 42 DA-C; note growth inhibition, chlorosis, altered head development or maturity delay.

WC at 14 and 28 DA-B and 14 DA spring greenup; WC at 14, 28 and 42 DA-C.

Rate all plots together after the C application.

3. Target weed sizes at application;

B = FALL, grass weed stage BBCH 14-15 (4-5 leaves) and/or broadleaves are less than 2 inch tall or 2 inch rosette.

C = SPRING, grass weed stage BBCH 14-22 (4 leaves to 2 tillers) and/or broadleaves are less than 2 inch tall or 2 inch rosette.

4. Stunt = Growth inhibition; 14 DA-green = 14 days after spring greenup (also 117 DA-B).

5. Not harvested.