

Common windgrass control in winter wheat

Trial ID: WT02-16 Study Dir.: Sprague, Powell
 Conducted: Sanilac County Investigator: Christy Sprague

Planting Date: **Row Spacing:** 7.5 "
Variety: 'Ambassador' soft white **No. of Reps:** 4
Population: **% OM:** 4.0
Soil Type: CL clay loam **pH:** 7.1
Plot Size: 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall soil finish; previous crop - black beans
Fertilizer:

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1	APESV	windgrass	Asper spica-venti
Crop	Code	Common Name	
1	TRZAW	Winter wheat	

Application Description

	A	B
Application Timing:	FALL	SPRING
Date Treated:	Nov-5-2015	Apr-27-2016
Time Treated:	11:30 AM	5:45 PM
% Cloud Cover:	30	5
Air Temp., Unit:	70 F	43 F
% Relative Humidity:	64	40
Wind Speed/Unit/Dir:	5 MPH W	3 MPH E
Soil Temp, Unit:	57 F	55 F
Leaf Moist/Dew Presence (Y/N):	4	4
Soil Moist:	3	4

Crop Stage at Each Application

	A	B
Crop 1 Name:	TRZAW	TRZAW
Height:	6 "	6 "
Stage:	Feekes 1	Feekes 5

Weed Stage at Each Application

	A	B
Weed 1 Name:	APESV	APESV
Height:	0.12-0.5 " (0.25)	2-4 " (2)
Stage:	2-3L	4-5L

Application Equipment

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	BACKPK	3.8 MPH	AIXR	11003	24 "	20 "	100 "	19 GAL/AC	WATER	30 PSI
B	BACKPK	3.8 MPH	AIXR	11003	26 "	20 "	100 "	19 GAL/AC	WATER	30 PSI

Comments:

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Pest Code	APESV		APESV		APESV		APESV	
Crop Code	TRZAW	TRZAW	TRZAW	TRZAW	TRZAW	TRZAW	TRZAW	TRZAW
Rating Date	Apr-15-2016	Apr-15-2016	Apr-27-2016	Apr-27-2016	May-13-2016	May-13-2016	Jul-7-2016	
Rating Type	injury	control	injury	control	injury	control	injury	
Rating Unit	percent	percent	percent	percent	percent	percent	percent	
Trt-Eval Interval	162 DA-A	162 DA-A	174 DA-A	174 DA-A	16 DA-B	16 DA-B	71 DA-B	
Number of Decimals	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Appl Code							
		Rate Unit								
1	Axiom	8 oz/a	A	0	96	0	89	3	70	2
2	Osprey	4.75 oz/a	A	0	99	0	95	0	98	0
2	Surfactant	0.25 % v/v	A							
2	AMS	2 lb/a	A							
3	PowerFlex HL	2 oz/a	A	0	100	0	99	0	100	0
3	Surfactant	0.25 % v/v	A							
3	AMS	2 lb/a	A							
4	Huskie Complete	13.7 fl oz/a	A	0	87	0	82	0	79	0
4	Surfactant	0.25 % v/v	A							
4	AMS	1 lb/a	A							
5	Untreated			0	0	0	0	0	0	0
6	Huskie	13.5 fl oz/a	A	0	0	0	0	0	0	0
6	Surfactant	0.25 % v/v	A							
6	AMS	1 lb/a	A							
7	Huskie	13.5 fl oz/a	A	0	100	0	93	0	92	0
7	Osprey	4.75 oz/a	A							
7	Surfactant	0.25 % v/v	A							
7	AMS	1 lb/a	A							
8	Huskie	13.5 fl oz/a	A	0	100	0	100	0	100	2
8	PowerFlex HL	2 oz/a	A							
8	Surfactant	0.25 % v/v	A							
8	AMS	1 lb/a	A							
9	Axiom	8 oz/a	A	0	97	0	89	11	94	3
9	Osprey	4.75 oz/a	B							
9	Surfactant	0.25 % v/v	B							
9	AMS	2 lb/a	B							
10	Osprey	4.75 oz/a	B	0	0	0	0	11	64	6
10	Surfactant	0.25 % v/v	B							
10	AMS	2 lb/a	B							
11	PowerFlex HL	2 oz/a	B	0	0	0	0	17	66	2
11	Surfactant	0.25 % v/v	B							
11	AMS	2 lb/a	B							

Missing data estimates are included in columns: Average=5,6,7,8,9
 Could not calculate LSD (% mean diff) for columns 1,3 because error mean square = 0.

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Crop Code	TRZAW	TRZAW	TRZAW	TRZAW	TRZAW	TRZAW	
Rating Date	Apr-15-2016	Apr-15-2016	Apr-27-2016	Apr-27-2016	May-13-2016	May-13-2016	Jul-7-2016
Rating Type	injury	control	injury	control	injury	control	injury
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	162 DA-A	162 DA-A	174 DA-A	174 DA-A	16 DA-B	16 DA-B	71 DA-B
Number of Decimals	0	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Appl Code							
		Rate Unit								
12	Huskie	13.5 fl oz/a	B	0	0	0	0	5	61	0
12	Osprey	4.75 oz/a	B							
12	Surfactant	0.25 % v/v	B							
12	AMS	1 lb/a	B							
LSD P=.05				.	3.7	.	7.9	4.5	9.0	2.9
Standard Deviation				0.0	2.6	0.0	5.5	3.1	6.3	2.0
CV				0.0	4.61	0.0	10.19	79.37	9.15	168.56

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Pest Code	APESV	
Crop Code		TRZAW
Rating Date	Jul-7-2016	Jul-7-2016
Rating Type	control	maturity
Rating Unit	percent	percent
Trt-Eval Interval	71 DA-B	71 DA-B
Number of Decimals	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Code		
1	Axiom	8 oz/a		A	49	89
2	Osprey	4.75 oz/a		A	89	92
2	Surfactant	0.25 % v/v		A		
2	AMS	2 lb/a		A		
3	PowerFlex HL	2 oz/a		A	99	94
3	Surfactant	0.25 % v/v		A		
3	AMS	2 lb/a		A		
4	Huskie Complete	13.7 fl oz/a		A	10	82
4	Surfactant	0.25 % v/v		A		
4	AMS	1 lb/a		A		
5	Untreated				0	80
6	Huskie	13.5 fl oz/a		A	0	81
6	Surfactant	0.25 % v/v		A		
6	AMS	1 lb/a		A		
7	Huskie	13.5 fl oz/a		A	56	90
7	Osprey	4.75 oz/a		A		
7	Surfactant	0.25 % v/v		A		
7	AMS	1 lb/a		A		
8	Huskie	13.5 fl oz/a		A	99	90
8	PowerFlex HL	2 oz/a		A		
8	Surfactant	0.25 % v/v		A		
8	AMS	1 lb/a		A		
9	Axiom	8 oz/a		A	100	87
9	Osprey	4.75 oz/a		B		
9	Surfactant	0.25 % v/v		B		
9	AMS	2 lb/a		B		
10	Osprey	4.75 oz/a		B	99	84
10	Surfactant	0.25 % v/v		B		
10	AMS	2 lb/a		B		
11	PowerFlex HL	2 oz/a		B	100	93
11	Surfactant	0.25 % v/v		B		
11	AMS	2 lb/a		B		

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Rating Date	Jul-7-2016	Jul-7-2016
Rating Type	control	maturity
Rating Unit	percent	percent
Trt-Eval Interval	71 DA-B	71 DA-B
Number of Decimals	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Code		
12	Huskie	13.5 fl oz/a	B		100	93
12	Osprey	4.75 oz/a	B			
12	Surfactant	0.25 % v/v	B			
12	AMS	1 lb/a	B			
LSD P=.05						
Standard Deviation						
CV						