

MSU Weed Science Research Program

Windgrass control in winter wheat

Trial ID: WT01-13 Study Dir.: Sprague
Conducted: Minden City Investigator: Christy Sprague

Date Planted: Sep/27/2012 Row Spacing: 7.5 IN
Variety: 'Ambassador' white No. of Reps: 4
Population: 2 million seeds/A % OM
Soil Type: pH:
Plot Size: 10 X 25 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Conventional

Table with 4 columns: Weed, Code, Common Name, Scientific Name. Row 1: 1. APESV WINDGRASS APERA SPICA-VENTI (L.) BEAUV. Row 2: 1. TRZAW WHEAT, WINTER

Table with 4 columns: Application Description (A, B, C), Application Timing, Date Treated, Time Treated, % Cloud Cover, Air Temp., % Relative Humidity, Wind Speed/Unit/Dir, Soil Temp., Soil/Leaf Surface M, Soil Moist (1=w 5=d).

Table with 4 columns: Crop Stage at Each Application (A, B, C), Crop Name, Height (In.), Stage (L).

Table with 4 columns: Weed Stage at Each Application (A, B, C), Weed 1 Name, Height (In.), Stage (L).

Table with 2 columns: Weed Density (plants/sq. ft.), Weed Name, Density.

Table with 10 columns: Application Equipment (Appl, Sprayer, Speed, Nozzle, Nozzle, Nozzle, Nozzle, Boom, GPA, Carrier, PSI).

Comments: Prowl H20 applied PRE injured winter wheat. This application is labeled in the fall when wheat has 1-leaf.

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Weed Code	APESV control	APESV control	APESV control	APESV control
Rating Data Type	percent	percent	percent	percent
Rating Unit	May/09/2013	May/23/2013	Jun/05/2013	Jul/03/2013
Rating Date	185 DA-B	14 DA-C	27 DA-C	55 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	APESV control percent	APESV control percent	APESV control percent	APESV control percent
1	Zidua	85	WG	1.5 oz/a	PRE	A	46	59	53	50
2	Zidua	85	WG	3 oz/a	PRE	A	70	84	76	80
3	Treflan	4	L	1 pt/a	PRE	A	20	15	18	3
4	Prowl H2O	3.8	L	2 pt/a	PRE	A	48	48	49	30
5	Untreated						0	0	0	0
6	PowerFlex HL	13	WG	2 oz/a	POST-FA	B	99	98	98	97
	Surfactant		L	0.25 % v/v	POST-FA	B				
	AMS		WG	2 lb/a	POST-FA	B				
7	Osprey	4.5	WG	4.75 oz/a	POST-FA	B	96	95	97	87
	Surfactant		L	0.5 % v/v	POST-FA	B				
	AMS		WG	2 lb/a	POST-FA	B				
8	Axial XL	0.42	L	16.4 fl oz/a	POST-FA	B	87	83	93	63
9	Puma	1	EC	10.6 fl oz/a	POST-FA	B	48	50	30	15
10	PowerFlex HL	13	WG	2 oz/a	POST-FA	B	99	98	98	99
	Huskie	2.06	L	11 fl oz/a	POST-FA	B				
	Surfactant		L	0.25 % v/v	POST-FA	B				
	AMS		WG	2 lb/a	POST-FA	B				
11	Osprey	4.5	WG	4.75 oz/a	POST-FA	B	99	98	97	86
	Huskie	2.06	L	11 fl oz/a	POST-FA	B				
	Surfactant		L	0.25 % v/v	POST-FA	B				
	AMS		WG	2 lb/a	POST-FA	B				
12	PowerFlex HL	13	WG	2 oz/a	POST-SP	C		45	79	98
	Surfactant		L	0.25 % v/v	POST-SP	C				
	AMS		WG	2 lb/a	POST-SP	C				
13	Osprey	4.5	WG	4.75 oz/a	POST-SP	C		40	60	98
	Surfactant		L	0.5 % v/v	POST-SP	C				
	AMS		WG	2 lb/a	POST-SP	C				
14	Axial XL	0.42	L	16.4 fl oz/a	POST-SP	C		50	74	87
15	Axial Star	1.15	L	16.4 fl oz/a	POST-SP	C		45	79	84
16	Puma	1	EC	10.6 fl oz/a	POST-SP	C		15	63	54
17	PowerFlex HL	13	WG	2 oz/a	POST-SP	C		44	95	99
	Huskie	2.06	L	11 fl oz/a	POST-SP	C				
	Surfactant		L	0.25 % v/v	POST-SP	C				
	AMS		WG	2 lb/a	POST-SP	C				
18	Osprey	4.5	WG	4.75 oz/a	POST-SP	C		45	86	98
	Huskie	2.06	L	11 fl oz/a	POST-SP	C				
	Surfactant		L	0.25 % v/v	POST-SP	C				
	AMS		WG	2 lb/a	POST-SP	C				
19	PowerFlex HL	13	WG	2 oz/a	POST-SP	C		55	90	99
	Affinity BroadSpec	50	WG	0.75 oz/a	POST-SP	C				
	Surfactant		L	0.25 % v/v	POST-SP	C				
	AMS		WG	2 lb/a	POST-SP	C				
20	Osprey	4.5	WG	4.75 oz/a	POST-SP	C		45	84	99
	Affinity BroadSpec	50	WG	0.75 oz/a	POST-SP	C				
	Surfactant		L	0.25 % v/v	POST-SP	C				
	AMS		WG	2 lb/a	POST-SP	C				
LSD (P=.05)							10.5	14.9	17.6	17.4
CV							11.19	19.04	17.63	17.31

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