

**Roughstalk bluegrass control in winter wheat**

Trial ID: WT01-17      Study Dir.: Sprague, Powell, Stiles  
 Conducted: Deckerville      Investigator: Christy Sprague

**Planting Date:** Sep-14-2016      **Row Spacing:** 7.5 IN  
**Variety:** 'Jupiter' soft white wheat      **No. of Reps:** 4  
**Population:** 1800000 seeds/A      **% OM:** 3.6  
**Soil Type:** L loam      **pH:** 7.5  
**Plot Size:** 10 X 25 FT      **Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:**  
**Fertilizer:**

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1	POATR	Roughstalk bluegrass	Poa trivialis
Crop	Code	Common Name	
1	TRZAW	Winter Wheat	

**Application Description**

	A	B
<b>Application Timing:</b>	EPOS	POST
<b>Date Treated:</b>	Apr-11-2017	May-3-2017
<b>Time Treated:</b>	4:30 PM	10:00 AM
<b>% Cloud Cover:</b>	80	0
<b>Air Temp., Unit:</b>	70 F	48 F
<b>% Relative Humidity:</b>	49	65
<b>Wind Speed/Unit/Dir:</b>	1 mph W	2.5 mph NW
<b>Soil Temp, Unit:</b>	55 F	48 F
<b>Leaf Moist/Dew Presence (Y/N):</b>	1	4
<b>Soil Moist:</b>	1	3

**Crop Stage at Each Application**

	A	B
<b>Crop 1 Name:</b>	TRZAW	TRZAW
<b>Height:</b>	4 "	12 "
<b>Stage:</b>	Feekes 5	Feekes 6

**Weed Stage at Each Application**

	A	B
<b>Weed 1 Name:</b>	POATR	POATR
<b>Height:</b>	.5-1.5 " (1)	1-2 " (1.5)
<b>Stage:</b>	Many	Many

**Weed Density**

	1
<b>Date:</b>	Apr-11-2017
<b>Weed Name:</b>	POATR
<b>Density:</b>	3 FT <sup>2</sup>

**Application Equipment**

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	BACKPK	3.5 MPH	AIXR	11003	22 "	20 "	100 "	19 GPA	WATER	30 PSI
B	BACKPK	3.5 MPH	AIXR	11003	22 "	20 "	100 "	19 GPA	WATER	30 PSI

**Comments:**

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Pest Code		POATR	POATR	POATR	POATR	
Crop Code	TRZAW					TRZAW
Rating Date	Apr-25-2017	Apr-25-2017	May-3-2017	May-25-2017	Jun-8-2017	Jun-21-2017
Rating Type	injury	control	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-A	14 DA-A	22 DA-A	22 DA-B	36 DA-B	49 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
1	Osprey	4.5	WG	4.75	oz/a	A	8	44	61	100	100	0
1	Surfactant	L		0.5	% v/v	A						
1	AMS	WG		3	lb/a	A						
2	PowerFlex HL	13	WG	2	oz/a	A	2	50	56	96	100	0
2	Surfactant	L		0.5	% v/v	A						
2	AMS	WG		3	lb/a	A						
3	Axial XL	0.42	L	16.4	fl oz/a	A	3	43	46	100	100	0
4	Olympus	70	WG	0.9	oz/a	A	0	19	18	81	100	0
4	Surfactant	L		0.5	% v/v	A						
5	Osprey	4.5	WG	4.75	oz/a	A	10	56	66	100	100	0
5	Huskie	2.06	L	13.5	fl oz/a	A						
5	Surfactant	L		0.5	% v/v	A						
5	AMS	WG		3	lb/a	A						
6	Untreated									0	0	0
7	Osprey	4.5	WG	4.75	oz/a	B				58	100	0
7	Surfactant	L		0.5	% v/v	B						
7	AMS	WG		3	lb/a	B						
8	PowerFlex HL	13	WG	2	oz/a	B				76	100	0
8	Surfactant	L		0.5	% v/v	B						
8	AMS	WG		3	lb/a	B						
9	Axial XL	0.42	L	16.4	fl oz/a	B				69	100	0
10	Olympus	70	WG	0.9	oz/a	B				15	50	0
10	Surfactant	L		0.5	% v/v	B						
LSD P=.05							3.7	13.7	18.8	8.2	6.5	.
Standard Deviation							2.4	8.9	12.2	5.7	4.5	0.0
CV							54.02	21.03	24.64	8.14	5.26	0.0

\* Adjusted means  
 Could not calculate LSD (% mean diff) for columns 6 because error mean square = 0.

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Location: Deckerville

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	POATR
Crop Code	
Rating Date	Jun-21-2017
Rating Type	control
Rating Unit	percent
Trt-Eval Interval	49 DA-B
Number of Decimals	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*
1	Osprey	4.5	WG	4.75 oz/a	A		100
1	Surfactant	L		0.5 % v/v	A		
1	AMS	WG		3 lb/a	A		
2	PowerFlex HL	13	WG	2 oz/a	A		100
2	Surfactant	L		0.5 % v/v	A		
2	AMS	WG		3 lb/a	A		
3	Axial XL	0.42	L	16.4 fl oz/a	A		100
4	Olympus	70	WG	0.9 oz/a	A		100
4	Surfactant	L		0.5 % v/v	A		
5	Osprey	4.5	WG	4.75 oz/a	A		100
5	Huskie	2.06	L	13.5 fl oz/a	A		
5	Surfactant	L		0.5 % v/v	A		
5	AMS	WG		3 lb/a	A		
6	Untreated						0
7	Osprey	4.5	WG	4.75 oz/a	B		100
7	Surfactant	L		0.5 % v/v	B		
7	AMS	WG		3 lb/a	B		
8	PowerFlex HL	13	WG	2 oz/a	B		100
8	Surfactant	L		0.5 % v/v	B		
8	AMS	WG		3 lb/a	B		
9	Axial XL	0.42	L	16.4 fl oz/a	B		100
10	Olympus	70	WG	0.9 oz/a	B		55
10	Surfactant	L		0.5 % v/v	B		
	LSD P=.05						2.7
	Standard Deviation						1.9
	CV						2.2

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 6 because error mean square = 0.