

**Spring applications of Talinor for weed control in winter wheat**

Trial ID: WT04-16 Study Dir.: Sprague & Powell  
 Conducted: Campus H6-8 Investigator: Christy Sprague

**Planting Date:** Oct-1-2015 **Row Spacing:** 7.5 IN  
**Variety:** 'Sunburst' soft red **No. of Reps:** 4  
**Population:** 1800000 seeds/A **% OM:** 2.7  
**Soil Type:** L loam **pH:** 7.0  
**Plot Size:** 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:** Fall soil finished  
**Fertilizer:** None at  
 planting  
 4/20/16  
 Topdressed  
 with 90 lb N  
 (195 lb/A urea)

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1	POAAN	bluegrass, annual	Poa annua
2	STEME	chickweed, common	Stellaria media
3	LAMAM	Henbit	Lamium amplexicaule
4	THLAR	Fanweed	Thlaspi arvense
Crop	Code	Common Name	
1	TRZAW	Winter wheat	

**Application Description**

**Application Timing:** A  
 POST  
**Date Treated:** Apr-20-2016  
**Time Treated:** 4:00 PM  
**% Cloud Cover:** 70  
**Air Temp., Unit:** 70 F  
**% Relative Humidity:** 30  
**Wind Speed/Unit/Dir:** 6 MPH E  
**Soil Temp, Unit:** 58 F  
**Leaf Moist/Dew Presence (Y/N):** 3  
**Soil Moist:** 2

**Crop Stage at Each Application**

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

**Weed Stage at Each Application**

**Weed 1 Name:** A  
 POAAN  
**Height:** 1-2 " (1.5)  
**Stage:** 2 LF  
**Weed 2 Name:** STEME  
**Height:** 0.5-1 " (0.5)  
**Stage:** flower  
**Weed 3 Name:** LAMAM  
**Height:** 0.5-1 " (0.5)  
**Stage:** flower  
**Weed 4 Name:** THLAR  
**Height:** 2-5 " (3)  
**Stage:** bolt

**Application Equipment**

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	CUB	3.8 MPH	AIXR	11003	24 "	20 "	100 "	19 GPA	WATER	30 PSI

**Comments:**

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Pest Code			POAAN	STEME	LAMAM	THLAR	
Crop Code	TRZAW	TRZAW					TRZAW
Rating Date	Apr-28-2016	May-4-2016	May-4-2016	May-4-2016	May-4-2016	May-4-2016	May-18-2016
Rating Type	injury	injury	control	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	8 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A	14 DA-A
Number of Decimals	0	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Appl Unit	Code							
1	Talinor	13.7 fl oz/a	A		0	0	0	2	60	61	0
1	Coact+	2.74 fl oz/a	A								
1	Crop oil concentrate	1 % v/v	A								
2	Talinor	16 fl oz/a	A		0	0	0	2	61	75	0
2	Coact+	3.2 fl oz/a	A								
2	Crop oil concentrate	1 % v/v	A								
3	Huskie	13.5 fl oz/a	A		0	0	0	2	94	81	0
3	Surfactant	0.25 % v/v	A								
3	AMS	1 lb/a	A								
4	Affinity BroadSpec	0.75 oz/a	A		5	0	0	2	99	85	0
4	Surfactant	0.25 % v/v	A								
5	Untreated				0	0	0	0	0	0	0
LSD P=.05					0.7	.	.	0.1	6.0	7.2	.
Standard Deviation					0.4	0.0	0.0	0.0	3.9	4.7	0.0
CV					49.69	0.0	0.0	3.02	6.21	7.73	0.0

Could not calculate LSD (% mean diff) for columns 2,3,7,8 because error mean square = 0.

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Pest Code	POAAN	STEME	LAMAM	THLAR		
Crop Code					TRZAW	TRZAW
Rating Date	May-18-2016	May-18-2016	May-18-2016	May-18-2016	Jul-12-2016	Jul-12-2016
Rating Type	control	control	control	control	moisture	yield
Rating Unit	percent	percent	percent	percent	percent	bu/acre
Trt-Eval Interval	14 DA-A	14 DA-A	14 DA-A	14 DA-A	83 DA-A	at 13% M
Number of Decimals	0	0	0	0	1	1

Trt No.	Treatment Name	Rate	Appl Code	POAAN	STEME	LAMAM	THLAR	TRZAW	TRZAW
		Rate Unit						moisture	yield
1	Talinor	13.7 fl oz/a	A	0	45	100	100	15.3	92.8
1	Coact+	2.74 fl oz/a	A						
1	Crop oil concentrate	1 % v/v	A						
2	Talinor	16 fl oz/a	A	0	45	100	100	15.3	93.8
2	Coact+	3.2 fl oz/a	A						
2	Crop oil concentrate	1 % v/v	A						
3	Huskie	13.5 fl oz/a	A	0	68	100	100	15.1	94.8
3	Surfactant	0.25 % v/v	A						
3	AMS	1 lb/a	A						
4	Affinity BroadSpec	0.75 oz/a	A	0	100	99	95	15.1	92.4
4	Surfactant	0.25 % v/v	A						
5	Untreated			0	0	0	0	15.6	94.6
	LSD P=.05			.	6.0	1.7	4.0	0.47	6.28
	Standard Deviation			0.0	3.9	1.1	2.6	0.31	4.08
	CV			0.0	7.52	1.4	3.27	2.0	4.35