

**Tolerance of summer planted cover crops to wheat herbicides**

Trial ID: WT02-19 Study Dir.: Sprague, Powell, Stiles  
 Conducted: SVREC Investigator: Christy Sprague

**Planting Date:** Oct-3-2018 **Row Spacing:** 7.5 IN  
**Variety:** 'Jupiter' soft white wheat **No. of Reps:** 4  
**Population:** 1.8 M seeds/A **% OM:** 2.3  
**Soil Type:** CL clay loam **pH:** 8.1  
**Plot Size:** 7.5 X 135 FT **Study Design:** Randomized Complete Block (RCB)

**Tillage/Previous Crops:** Disk and soil finished prior to planting

**Fertilizer:**

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1			
Crop	Code	Common Name	
1	TRZAW	Winter Wheat	

**Application Description**

**A**  
**Application Timing:** POST  
**Date Treated:** May-7-2019  
**Time Treated:** 12:15 PM  
**% Cloud Cover:** 90  
**Air Temp., Unit:** 49 F  
**% Relative Humidity:** 57  
**Wind Speed/Unit/Dir:** 6 mph N  
**Soil Temp, Unit:** 52 F  
**Leaf Moist/Dew Presence (Y/N):** 5  
**Soil Moist:** 3

**Crop Stage at Each Application**

**A**  
**Crop 1 Name:** TRZAW  
**Height:** 6-9 " (7.5)  
**Stage:** 3-4

**Weed Stage at Each Application**

**A**  
**Weed 1 Name:**  
**Height:**  
**Stage:**

**Application Equipment**

Appl	Sprayer	Ground	Nozzle	Nozzle	Nozzle	Nozzle	Boom	Spray	Carrier	Operation
	Type	Speed	Type	Size	Height	Spacing	Width	Volume		Pressure
A	CUB	3.8 mph	AIXR	11003	18 "	20 "	80 "	19 GPA	WATER	30 psi

**Comments:**

After winter wheat harvest, prior to planting cover crops Roundup PowerMax at 32 fl oz/A + AMS was sprayed over the entire plot area on August 6, 2019. Cover crops were planted on August 7, 2019 with a 5' drill. Cover crops and seeding rates were: 1) Annual ryegrass (15 lbs/A) 2) Dwarf essex rapeseed (6 lbs/A) 3) Crimson clover (15 lbs/A) 4) Red clover (8 lbs/A) 5) Mustard caliente (8 lbs/A) 6) Cereal rye (90 lbs/A) 7) Oats (Saber) (60 lbs/A) 8) Oilseed radish (Image) (6 lbs/A) 9) Austrian winter pea (80 lbs/A)