

DANDELION CONTROL IN WHEAT

Trial ID: 09WHEAT3 Study Dir.: Anthony F. Dobbels  
Location: WESTERN BRANCH ENT W-1 Investigator: Dr. Mark M. Loux

**GENERAL TRIAL INFORMATION**

**Study Director:** Anthony F. Dobbels  
**Investigator:** Dr. Mark M. Loux

**Conducted Under GLP (Y/N):** N **Conducted Under GEP (Y/N):** N

**CROP AND WEED DESCRIPTION**

Weed	Code	Common Name	Scientific Name	
1.	TAROF	Co	mmon dandelion	Taraxacum officinale
2.	LAMPU	Pu	rple deadnettel	Lamium purpureum

**Crop 1:** TRZAW WHEAT, WINTER **Variety:** PIONEER 25R78  
**Planting Date:** Oct-7-2008 **Planting Method:** GREAT PLAINS DRILL  
**Rate:** 120 LB/A **Depth:** 0.75 IN  
**Row Spacing:** 7.5 IN **Seed Bed:** NO-TILL

**SITE AND DESIGN**

**Plot Width, Unit:** 10 FT **Plot Length, Unit:** 30 FT **Reps:** 3  
**Tillage Type:** NO-TILL **Study Design:** RACOBL

**APPLICATION DESCRIPTION**

	A
<b>Application Date:</b>	Nov-23-2008
<b>Time of Day:</b>	11:00 A.M
<b>Application Method:</b>	SPRAY
<b>Application Timing:</b>	FALL
<b>Applic. Placement:</b>	BROADCAST
<b>Air Temp., Unit:</b>	33 F
<b>% Relative Humidity:</b>	59
<b>Wind Velocity, Unit:</b>	6 SSW
<b>Soil Temp., Unit:</b>	33 F
<b>Soil Moisture:</b>	ADEQUATE
<b>% Cloud Cover:</b>	2

**CROP STAGE AT EACH APPLICATION**

<b>Crop 1 Code, Stage:</b>	TRZAW FEEKE'S 2
<b>Stage Scale:</b>	DESC
<b>Height, Unit:</b>	2.5 IN

**WEED STAGE AT EACH APPLICATION**

<b>Weed 1 Code, Stage:</b>	TAROF 4-6"
<b>Stage Scale:</b>	12 LVS
<b>Weed 2 Code, Stage:</b>	LAMPU 1/2"
<b>Stage Scale:</b>	8 LVS

**APPLICATION EQUIPMENT**

Ohio State University  
Horticulture and Crop Science

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	<b>A</b>
<b>Appl. Equipment:</b>	BACKPACK
<b>Operating Pressure:</b>	53
<b>Nozzle Type:</b>	DG
<b>Nozzle Size:</b>	11002
<b>Nozzle Spacing, Unit:</b>	18 IN
<b>Ground Speed, Unit:</b>	3 MPH
<b>Carrier:</b>	WATER
<b>Spray Volume, Unit:</b>	20 GPA
<b>Propellant:</b>	CO2

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Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Grow Stg	Appl Code	Plot No. Rep. 1	2	3	Notes
1	UTC							101	202	305	
2	HUSKIE NIS 28%	2.1 100 100	EC L L	0.222 0.25 2	lb ai/a % v/v qt/a	FALL FALL FALL	A	102	210	302	
3	ALTANTIS WG NIS 28%	52.5 100 100	WG L L	0.197 0.25 2	lb ai/a % v/v qt/a	FALL FALL FALL	A	103	206	309	
4	OLYMPUS FLEX NIS 28%	20.3 100 100	WG L L	0.0444 0.25 2	lb ai/a % v/v qt/a	FALL FALL FALL	A	104	205	306	
5	OLYMPUS NIS 28%	70 100 100	WG L L	0.0394 0.25 2	lb ai/a % v/v qt/a	FALL FALL FALL	A	105	208	304	
6	HARMONY EXTRA 0.5 OZ HARMONY XP EXPRESS BANVEL NIS	75 75 4 100	SG WG L L	0.0156 0.0078 0.0625 0.25	lb ai/a lb ai/a lb ai/a % v/v	FALL FALL FALL FALL	A	106	204	307	
7	HARMONY EXTRA 0.3 OZ HARMONY XP EXPRESS BANVEL NIS	75 75 4 100	SG WG L L	0.0093 0.00467 0.0625 0.25	lb ai/a lb ai/a lb ai/a % v/v	FALL FALL FALL FALL	A	107	209	308	
8	HARMONY EXTRA 0.5 OZ HARMONY XP EXPRESS BANVEL NIS 2,4-D	75 75 4 100 4	SG WG L L L	0.0156 0.0078 0.0625 0.25 0.5	lb ai/a lb ai/a lb ai/a % v/v lb ai/a	FALL FALL FALL FALL SPRING	A    B	108	207	310	
9	HARMONY EXTRA 0.5 OZ HARMONY XP EXPRESS 2,4-D NIS	75 75 4 100	SG WG L L	0.0156 0.0078 0.5 0.25	lb ai/a lb ai/a lb ai/a % v/v	SPRING SPRING SPRING SPRING	B    	109	201	303	
10	HUSKIE NIS 28%	2.1 100 100	EC L L	0.222 0.25 2	lb ai/a % v/v qt/a	SPRING SPRING SPRING	B	110	203	301	

Sort Order: Replicate 1