

Ohio State University
Horticulture and Crop Science

DANDELION CONTROL IN WHEAT

Trial ID: 08WHEAT_2 Study Dir.: Anthony F. Dobbels
Location: Investigator: Dr. Mark M. Loux

GENERAL TRIAL INFORMATION

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

TRIAL LOCATION

City: South Charleston
State/Prov.: Ohio
Postal Code: 45368
Country: USA

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	C
Application Date:	Oct-9-2008	Nov-23-2008	
Time of Day:	3:00 P.M.	11:00 A.M.	
Application Method:	SPRAY	SPRAY	
Application Timing:	PRE	FALL	
Applic. Placement:	BROADCAST	BROADCAST	
Air Temp., Unit:	72 F	33 F	
% Relative Humidity:	43	59	
Wind Velocity, Unit:	4 W	6 SSW	
Soil Temp., Unit:	62 F	33 F	
Soil Moisture:	ADEQUATE	ADEQUATE	
% Cloud Cover:	0	2	

CROP STAGE AT EACH APPLICATION

		B	C
Crop 1 Code, Stage:	TRZAW	TRZAW FEEKE'S 2	TRZAW
Stage Scale:		DESC	
Height, Unit:		2.5 IN	

WEED STAGE AT EACH APPLICATION

		B	C
Weed 1 Code, Stage:	TAROF 4-6"	TAROF 4-6"	TAROF
Stage Scale:	12 LVS	12 LVS	
Weed 2 Code, Stage:	LAMPU	LAMPU 1/2"	LAMPU
Stage Scale:		8 LVS	

APPLICATION EQUIPMENT

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	A	B	C
Appl. Equipment:	BACKPACK	BACKPACK	
Operating Pressure:	53	53	
Nozzle Type:	DG	DG	
Nozzle Size:	11002	11002	
Nozzle Spacing, Unit:	18 IN	18 IN	
Ground Speed, Unit:	3 MPH	3 MPH	
Carrier:	WATER	WATER	
Spray Volume, Unit:	20 GPA	20 GPA	
Propellant:	CO2	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	ROUNDUP POWERMAX AMS	4.5 100	SL L	0.75 5	lb ae/a % v/v	PRE PRE	A	101	212	305	
2	Widematch 1.3 pts STARANE STINGER	1.5 3	L L	0.117 0.117	lb ai/a lb ai/a	FALL FALL	B	102	201	316	
3	Widematch 1.3 pts STARANE STINGER EXPRESS NIS	1.5 3 75 100	L L WG L	0.117 0.117 0.0155 0.25	lb ai/a lb ai/a lb ai/a % v/v	FALL FALL FALL FALL	B	103	204	313	
4	Widematch 1.3 pts STARANE STINGER HARMONY EXTRA 0.5 OZ HARMONY XP EXPRESS NIS	1.5 3 75 75 100	L L SG WG L	0.117 0.117 0.0156 0.0078 0.25	lb ai/a lb ai/a lb ai/a lb ai/a % v/v	FALL FALL FALL FALL FALL	B	104	216	324	
5	Widematch 1.3 pts STARANE STINGER BANVEL	1.5 3 4	L L L	0.117 0.117 0.125	lb ai/a lb ai/a lb ai/a	FALL FALL FALL	B	105	224	304	
6	Widematch 1.3 pts STARANE STINGER EXPRESS BANVEL NIS	1.5 3 75 4 100	L L WG L L	0.117 0.117 0.0155 0.125 0.25	lb ai/a lb ai/a lb ai/a lb ai/a % v/v	FALL FALL FALL FALL FALL	B	106	210	311	
7	EXPRESS BANVEL NIS	75 4 100	WG L L	0.0155 0.125 0.25	lb ai/a lb ai/a % v/v	FALL FALL FALL	B	107	221	317	
8	EXPRESS BANVEL NIS	75 4 100	WG L L	0.0155 0.0625 0.25	lb ai/a lb ai/a % v/v	FALL FALL FALL	B	108	223	319	
9	HARMONY EXTRA 0.5 OZ HARMONY XP EXPRESS BANVEL NIS	75 75 4 100	SG WG L L	0.0156 0.0078 0.125 0.25	lb ai/a lb ai/a lb ai/a % v/v	FALL FALL FALL FALL	B	109	217	307	
10	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	B	110	213	308	
11	HARMONY EXTRA 0.3 OZ HARMONY XP EXPRESS BANVEL NIS	75 75 4 100	SG WG L L	0.0093 0.00467 0.125 0.25	lb ai/a lb ai/a lb ai/a % v/v	FALL FALL FALL FALL	B	111	219	322	
12	HARMONY EXTRA 0.3OZ 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	B	112	205	309	
13	BRASH	3.87	L	0.643	lb ai/a	FALL	B	113	203	306	

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Plot No. Rep. 1	2	3	Notes
14	HARMONY EXTRA 0.3 OZ							114	207	303	
	HARMONY XP	75	SG	0.0093	lb ai/a	FALL	B				
	EXPRESS	75	WG	0.00467	lb ai/a	FALL					
	BANVEL	4	L	0.0625	lb ai/a	FALL					
	NIS	100	L	0.25	% v/v	FALL					
	HARMONY EXTRA 0.3 OZ										
	HARMONY XP	75	SG	0.0093	lb ai/a	SPRING	C				
	EXPRESS	75	WG	0.00467	lb ai/a	SPRING					
	2,4-D	4	L	0.5	lb ai/a	SPRING					
	NIS	100	L	0.25	% v/v	SPRING					
15	BRASH	3.87	L	0.484	lb ai/a	SPRING	C	115	220	318	
16	Widematch 1.3 pts							116	206	315	
	STARANE	1.5	L	0.117	lb ai/a	SPRING	C				
	STINGER	3	L	0.117	lb ai/a	SPRING					
	2,4-D	4	L	0.5	lb ai/a	SPRING					
17	Widematch 1.3 pts							117	215	312	
	STARANE	1.5	L	0.117	lb ai/a	SPRING	C				
	STINGER	3	L	0.117	lb ai/a	SPRING					
	EXPRESS	75	WG	0.0155	lb ai/a	SPRING					
	NIS	100	L	0.25	% v/v	SPRING					
18	Widematch 1.3 pts							118	214	310	
	STARANE	1.5	L	0.117	lb ai/a	SPRING	C				
	STINGER	3	L	0.117	lb ai/a	SPRING					
	EXPRESS	75	WG	0.0155	lb ai/a	SPRING					
	2,4-D	4	L	0.5	lb ai/a	SPRING					
	NIS	100	L	0.25	% v/v	SPRING					
19	Widematch 1.3 pts							119	218	301	
	STARANE	1.5	L	0.117	lb ai/a	SPRING	C				
	STINGER	3	L	0.117	lb ai/a	SPRING					
	HARMONY EXTRA 0.5 OZ										
	HARMONY XP	75	SG	0.0156	lb ai/a	SPRING					
	EXPRESS	75	WG	0.0078	lb ai/a	SPRING					
	NIS	100	L	0.25	% v/v	SPRING					
20	CURTAIL	2.38	L	0.794	lb ai/a	SPRING	C	120	211	321	
21	CURTAIL	2.38	L	0.794	lb ai/a	SPRING		121	208	314	
	EXPRESS	75	WG	0.0155	lb ai/a	SPRING					
	NIS	100	L	0.25	% v/v	SPRING					
22	EXPRESS	75	WG	0.0155	lb ai/a	SPRING	C	122	202	323	
	2,4-D	4	L	0.5	lb ai/a	SPRING					
	NIS	100	L	0.25	% v/v	SPRING					
23	Widematch 1.3 pts							123	209	320	
	STARANE	1.5	L	0.117	lb ai/a	SPRING	C				
	STINGER	3	L	0.117	lb ai/a	SPRING					
	EXPRESS	75	WG	0.0155	lb ai/a	SPRING					
	2,4-D	4	L	0.5	lb ai/a	SPRING					
	NIS	100	L	0.25	% v/v	SPRING					
24	UTC							124	222	302	

Sort Order: Replicate 1