UW – Madison Renz Weed Science Website
Link to full report

ID # 21-6

Alfalfa Tolerance to Warrant

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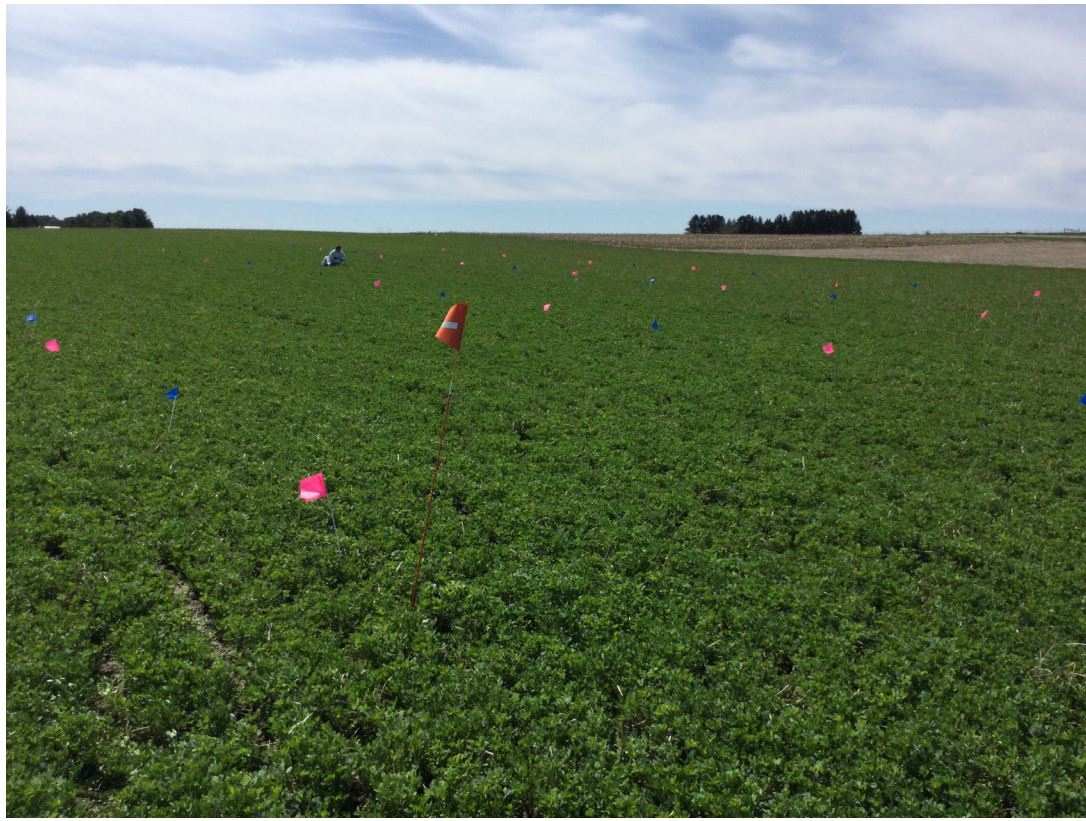
Research site:
Alfalfa field



How We Sprayed	
Application Timing	Prior to first harvest
Date	April 16th, 2021
Spray Equipment	CO_2 pressurized 10-foot boom sprayer (20 GPA), eight Teejet 11002VS nozzles with 15-inch spacing

Herbicide Treatments

Treatment	Active Ingredient	Rate
1	Untreated Control	-
2	Warrant	48 fluid ounces per acre (fl oz/A)
3	MON 301668	30 fl oz/A
4	Warrant	64 fl oz/A
5	MON 301668	42 fl oz/A
6	Warrant Roundup PowerMax 3	64 fl oz/A 30 fl oz/A
7	MON 301668 Roundup PowerMax 3	42 fl oz/A 30 fl oz/A
8	Warrant Select Max	48 fl oz/A 16 fl oz/A
9	MON 301668 Select Max	30 fl oz/A 16 fl oz/A
10	Warrant Raptor	48 fl oz/A 6 fl oz/A
11	MON 301668 Raptor	30 fl oz/A 6 fl oz/A
12	Warrant Pursuit	48 fl oz/A 6 fl oz/A
13	MON 301668 Pursuit	30 fl oz/A 6 fl oz/A

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Key Takeaways:

- We observed low injury to alfalfa for all treatments but saw potential for higher injury with the new formulation of Warrant (MON 301668) when tank mixed with specific partners

Injured alfalfa (chlorotic & cupping leaves) from treatment 11 (MON 301668 + Raptor) 26 DAT - May 12th, 2021

Results at 26 days after treatment			
Trt. No.	**Treatment**	**Rate**	**Alfalfa Injury (%)**
1	Untreated Control	-	0 d
2	Warrant	48 fl oz/A	0 d
3	MON 301668	30 fl oz/A	0 d
4	Warrant	64 fl oz/A	0 d
5	MON 301668	42 fl oz/A	0 d
6	Warrant Roundup PowerMax 3	64 fl oz/A 30 fl oz/A	0 d
7	MON 301668 Roundup PowerMax 3	42 fl oz/A 30 fl oz/A	0.7 bc
8	Warrant Select Max	48 fl oz/A 16 fl oz/A	1.3 a
9	MON 301668 Select Max	30 fl oz/A 16 fl oz/A	0.3 cd
10	Warrant Raptor	48 fl oz/A 6 fl oz/A	0 d
11	MON 301668 Raptor	30 fl oz/A 6 fl oz/A	1.3 a
12	Warrant Pursuit	48 fl oz/A 6 fl oz/A	0.7 bc
13	MON 301668 Pursuit	30 fl oz/A 6 fl oz/A	1 ab
Statistics			
LSD P=0.05			0.59
Standard Deviation			0.35
Coefficient of Variation			85.81
Treatment Prob(F)			0.0001