



Knockdown and residual control of broadleaf weeds in barley

Trial location: North Star Rd, Warialda

-29.318969, 150.566450

Objectives of the trial

Many herbicides are registered for knockdown control of small milk thistle or fleabane in winter cereals. The objective of this trial was to evaluate early weed control and then follow through post-harvest to evaluate residual control into spring.

Unfortunately, the farm was sold during the trial, and in-field management practices by the new owner compromised the ability to assess treatments post-harvest.

Weed target: Fleabane, milk thistle

Crop: Clearfield barley

Application: 100L/ha Rainwater 110015 AIXR @ 2 Bar 6km/hr 4 Reps

Date	Weed size at application	Time	Temp	RH%	Delta T
3/7/2025	rosette	11am	11°C	73%	2.8

Treatment list

1	Untreated	
2	FallowBoss Tordon @ 0.3L/ha	300 g/L 2,4-D + 75 g/L picloram + 7.5 g/L aminopyralid
3	Amicide Advance @ 1.5L/ha	700g/L 2,4-D amine
4	Tordon 75-D @ 300mL/ha	300 g/L 2,4-D + 75 g/L picloram
5	Lontrel Advanced @150mL/ha	600 g/L clopyralid
6	Lontrel Advanced @ 75mL/ha	600 g/L clopyralid
7	Infinity Ultra @ 110mL/ha	250 g/L pyrasulfotole + 125 g/L diflufenican + 62.5 g/L mefenpyr
8	Velocity @ 1L/ha + 1% Hasten	37.5 g/L pyrasulfotole + 210 g/L bromoxynil + 9.4 g/L mefenpyr
9	Talinor @ 1 L/ha + 1% Hasten	37.5 g/L bicyclopyrone + 175 g/L bromoxynil + 9.4 g/L cloquintocet
10	Trezac @ 200mL/ha + 1% Hasten	25g/L aminopyralid + 30g/L halauxifen + 30g/L cloquintocet
11	Mateno Complete @ 1L/ha#	400 g/L actonifen + 100 g/L pyroxasulfone + 66 g/L diflufenican
12	Experimental @ 1.7L/ha	

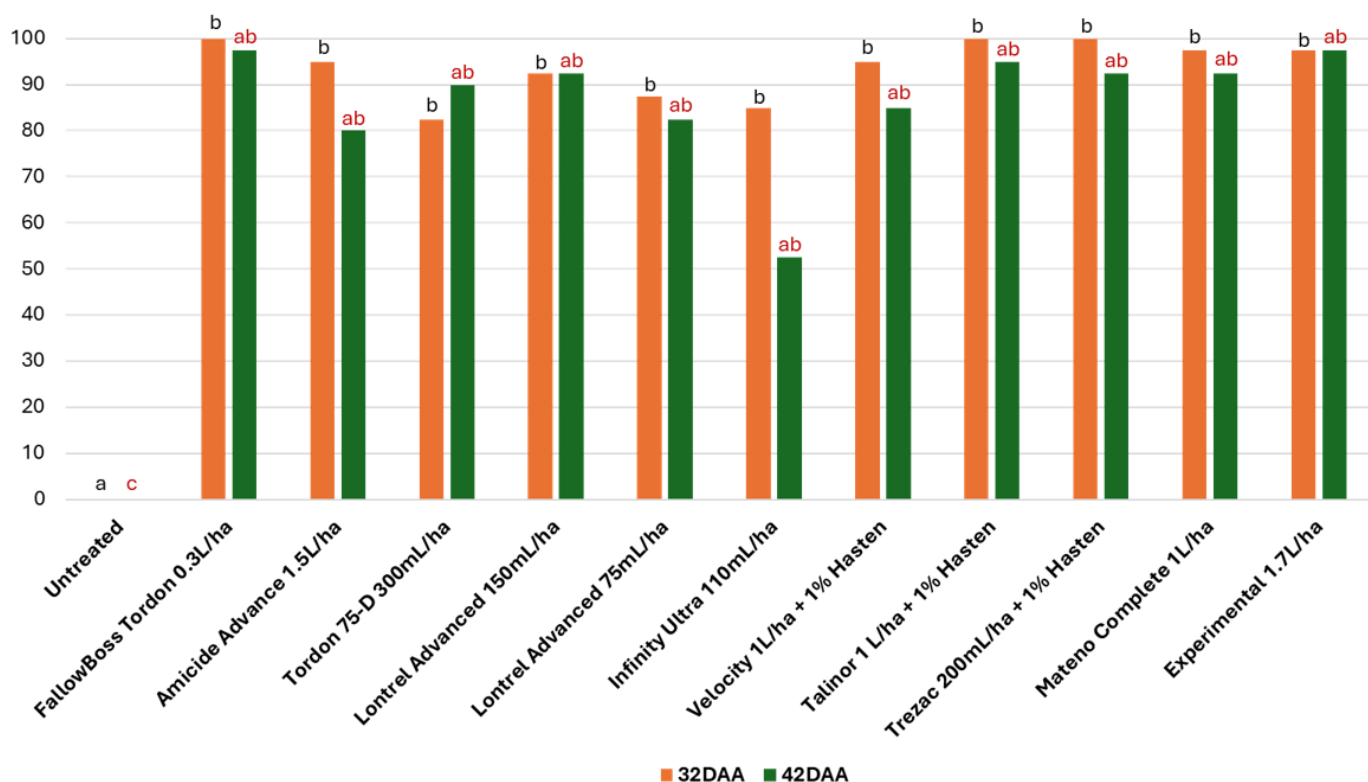
The rate of Mateno registered for use in barley is 750 mL. For purposes of evaluating weed control, the wheat rate of 1L was used in this trial.

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Results

Broadleaf weed control (combined sowthistle and fleabane) was assessed 32 (red) and 42 (green) days after application.



Statistically all treatments are better than the untreated, but are not statistically different within treatments. Numerically, Infinity Ultra appears to be behind other treatments at the 42-day rating, however there is considerable variability across reps, suggesting that this result could be related to uneven weed pressure. Due to the sale of the farm, further assessments were not possible.

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