

TOPIC: WILD RADISH HERBICIDE DEMONSTRATION2

Group: *Morawa*
2010

ABSTRACT

Over the last 3 to 5 years the level of wild radish control has declined for most growers. Most growers are experiencing sub standard levels of wild radish control on some areas of paddocks or a number of paddocks on their farms. The release of new herbicides in the last two years to control wild radish has given growers a wider range of control options. The aim of the demonstration was to determine the level of wild radish control with older, more traditional herbicide mixes against some of the more robust and new herbicides.

The older herbicide mixes of 25g/ha Logran and 25g/ha Logran + 800ml/ha LVE MCPA provided unsatisfactory levels of control whilst the new herbicides Velocity, Precept and the more robust Jaguar mixes provided far greater levels of control. Whilst the Jaguar treatments gave lower levels of control than the Precept or Velocity treatment, Jaguar has a heavier reliance on moisture and good growing conditions for better levels of control. This could explain the slightly lower levels of control with the Jaguar treatments.

TRIAL DETAILS

Property	Barry and Elaine Stoney, East Gutha.
Soil type	Yellow sandy loam
Crop & Variety	Wheat, Bonnie Rock
Treatments:	1) 25g/ha Logran 2) 25g/ha Logran + 800ml/ha LVE MCPA 3) 800ml/ha LVE MCPA 4) 750ml/ha Tigrex 5) 750ml/ha Jaguar 6) 500ml/ha Jaguar + 400ml/ha LVE MCPA 7) 750ml/ha Precept 300 +0.5% Hasten 8) 670ml/ha Velocity + 0.5% Hasten 9) 600ml/ha Velocity + 400ml/ha LVE MCPA + 0.5% Hasten
Replicates:	3 replicates
Sowing date	26 th May
Seeding rate	30kg/ha
Fertiliser (kg/ha)	30kg/ha MAP drilled at seeding + 20L/ha Flexi -N banded at seeding
Application Details	Treatments applied 29/06/2010, Yellow 02 Flat Fan nozzle, 11km/hr application speed 10km/hr SE wind with 24km/hr gusts, 18 °C, RH – 35%, applied at 4.00pm to 4.15pm
Paddock rotation	2009 - Wheat, 2008 - pasture
Growing Season Rainfall	May to October 140 mm

WILD RADISH DENSITY AND SIZES BEFORE APPLICATION

Wild radish p/m ²	21 m ²
8L	42%
6L	30%
4L	8%
2L	4%
COT	16%

RESULTS

Wild radish control assessments 12th August

Plot No	Treatment	Rep 1	Rep 2	Rep 3	Average
1	Untreated	0%	0%	0%	0%
2	Logran	50%	70%	50%	57%
3	Logran + LVE MCPA	80%	75%	60%	72%
4	LVE MCPA	85%	60%	55%	67%
5	Tigrex	90%	95%	75%	87%
6	Jaguar	95%	80%	65%	80%
7	Jaguar + LVE MCPA	95%	90%	70%	85%
8	Precept 300	90%	90%	85%	88%
9	Velocity	99%	95%	90%	95%
10	Velocity + LVE MCPA	95%	99%	80%	91%

Wild radish control assessments 28th September

Plot No	Treatment	Rep 1	Rep 2	Rep 3	Average
1	Untreated	0%	0%	0%	0%
2	Logran	60%	60%	50%	57%
3	Logran + LVE MCPA	75%	70%	70%	72%
4	LVE MCPA	70%	60%	70%	67%
5	Tigrex	75%	95%	80%	83%
6	Jaguar	80%	70%	75%	75%
7	Jaguar + LVE MCPA	85%	70%	65%	73%
8	Precept 300	90%	90%	99%	93%
9	Velocity	99%	99%	85%	94%
10	Velocity + LVE MCPA	95%	95%	99%	96%

TECHNICAL SUPPORT

Simon Teakle – Full Flag Agronomics

IN-KIND SUPPORT

Bayer Crop Science for the herbicides and boom to spray the trial.

Peter Burchell – Bayer Crop Science for the time to take assessments and assist with trial paddock walks