Post Emergent Tolerance Trial

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Location: DG & PL NAIRN, Binnu

Plot Size & Replication:
1.8m X 20m

Soil Type:
Loam

Sowing Date:
25/05/14

Seeding Rate:
Bonnie Rock @ 65kg

Paddock Rotation:
2013: Canola

2012: Wheat

Growing Season Rainfall:
220mm

Aim

To assess the crop tolerance of a number of broadleaf sprays on Bonnie Rock.

Background

With the increasing advent of herbicide resistant wild radish, each season we are looking for more novel mixes to control broadleaf weeds in cereals.
It was decided to assess a number of commonly used herbicide tank mixes along with a couple of novel mixes

Trial Details

Fertiliser: Dpzmax @ 80kg

Radish: 32DAA @ 2-4 leaf

Product	Rate (ml/ha)
Flight + Metribuzin	720 ml/ha + 100 gm/ha
Jaguar + Metribuzin	1000 ml/ha + 100 gm/ha
Ecopar + MCPA Amine 750	500 ml/ha + 750 ml/ha
Ecopar + MCPA Amine 750 + Diuron	500 ml/ha + 750 ml/ha + 100 gm/ha
Ecopar + MCPA Amine 750 + Metribuzin	400 ml/ha + 330 ml/ha + 100 gm/ha
Precept + Ecopar	1000 ml/ha + 400 ml/ha + 500 g ai/ha AMS
Precept + Jaguar	1000 ml/ha + 500 ml/ha + 500 g ai/ha AMS
Precept + Jaguar	1000 ml/ha + 750 ml/ha + 500 g ai/ha AMS
Velocity + Ester 680	700 ml/ha + 500 ml/ha + 1% Hasten

Results

Product	32DAA Crop Effect	Control	56DAA Crop Effect	Control
Flight + Metribuzin	5	7	2	5
Jaguar + Metribuzin	7	7	4	6
Ecopar + MCPA Amine 750	3	7	1	4
Ecopar + MCPA Amine 750 + Diuron	3	6	1	6
Ecopar + MCPA Amine 750 + Metribuzin	3	6	2	5
Precept + Ecopar	8	8	7	7
Precept + Jaguar	2	7	1	8
Precept + Jaguar	4	7	1	8
Velocity + Ester 680	2	9	1	8