



Loveland

AGRI PRODUCTS

Trial Data

Adjuvants - Lupins

Temora, NSW

Trial Setup

- Fully randomised and replicated plot work - 4 replicates
- Plot size = 10m X 2.5m
- *Trial not harvested*

Spraying date: *06/06/2015*

Growth stage: *6 - 8 leaf*

Site: *Temora, NSW*

Variety: *Mandelup Narrow leaf Lupins @ 100kg/ ha*

GSP: *Haloxypop + Uptake*

Protocol: *Haloxypop or Butroxydim +/- Hasten, MSO with LECI-TECH, Uptake or Liberate*

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Trial Protocol

	Treatment	Applied Rate
T1	Haloxyfop + Hasten	75mL/ ha + 1.0%
T2	Haloxyfop + MSO with LECI-TECH	75mL/ ha + 1.0%
T3	Haloxyfop + Liberate	75mL/ ha + 0.5%
T4	Haloxyfop + Uptake	75mL/ ha + 0.5%
T5	Butroxydim + MSO with LECI-TECH	150gm/ ha + 1.0%
T6	Butroxydim + Supercharge Elite	150gm/ ha + 0.75%
T7	Butroxydim + Liberate	150gm/ ha + 0.5%
T8	Untreated/ Control	-

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Crop Phytotoxicity %

Treatment		Applied Rate	13 DAA	20 DAA
T1	Haloxyfop + Hasten	75mL/ ha + 1.0%	0	0
T2	Haloxyfop + MSO with LECI-TECH	75mL/ ha + 1.0%	0	0
T3	Haloxyfop + Liberate	75mL/ ha + 0.5%	0	0
T4	Haloxyfop + Uptake	75mL/ ha + 0.5%	0	0
T5	Butroxydim + MSO with LECI-TECH	150gm/ ha + 1.0%	0	1.25
T6	Butroxydim + Supercharge Elite	150gm/ ha + 0.75%	0	1.25
T7	Butroxydim + Liberate	150gm/ ha + 0.5%	0	1.25
T8	Untreated/ Control	-	0	0
		LSD (P=0.05)	0	2.216
		CV	0	321.37

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Crop Biomass Reduction %

Treatment		Applied Rate	13 DAA	20 DAA	27 DAA
T1	Haloxyfop + Hasten	75mL/ ha + 1.0%	0	0	0
T2	Haloxyfop + MSO with LECI-TECH	75mL/ ha + 1.0%	0	0.57	0
T3	Haloxyfop + Liberate	75mL/ ha + 0.5%	0	0	0
T4	Haloxyfop + Uptake	75mL/ ha + 0.5%	0	0	0
T5	Butroxydim + MSO with LECI-TECH	150gm/ ha + 1.0%	5	3.46	1.85
T6	Butroxydim + Supercharge Elite	150gm/ ha + 0.75%	2.5	5	0.57
T7	Butroxydim + Liberate	150gm/ ha + 0.5%	2.5	3.9	2.83
T8	Untreated/ Control	-	0	0	0
		LSD (P=0.05)	-	0.377t	0.388t
		CV	261.86	88.73	171.09

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Control % - ARG

Treatment		Applied Rate	13 DAA	48 DAA
T1	Haloxyfop + Hasten	75mL/ ha + 1.0%	10.00	10.70
T2	Haloxyfop + MSO with LECI-TECH	75mL/ ha + 1.0%	10.00	11.90
T3	Haloxyfop + Liberate	75mL/ ha + 0.5%	12.50	12.23
T4	Haloxyfop + Uptake	75mL/ ha + 0.5%	10.00	11.17
T5	Butroxydim + MSO with LECI-TECH	150gm/ ha + 1.0%	37.50	95.07
T6	Butroxydim + Supercharge Elite	150gm/ ha + 0.75%	45.00	96.06
T7	Butroxydim + Liberate	150gm/ ha + 0.5%	27.50	86.50
T8	Untreated/ Control	-	0	0
		LSD (P=0.05)	6.543	4.553t
		CV	23.34	8.16

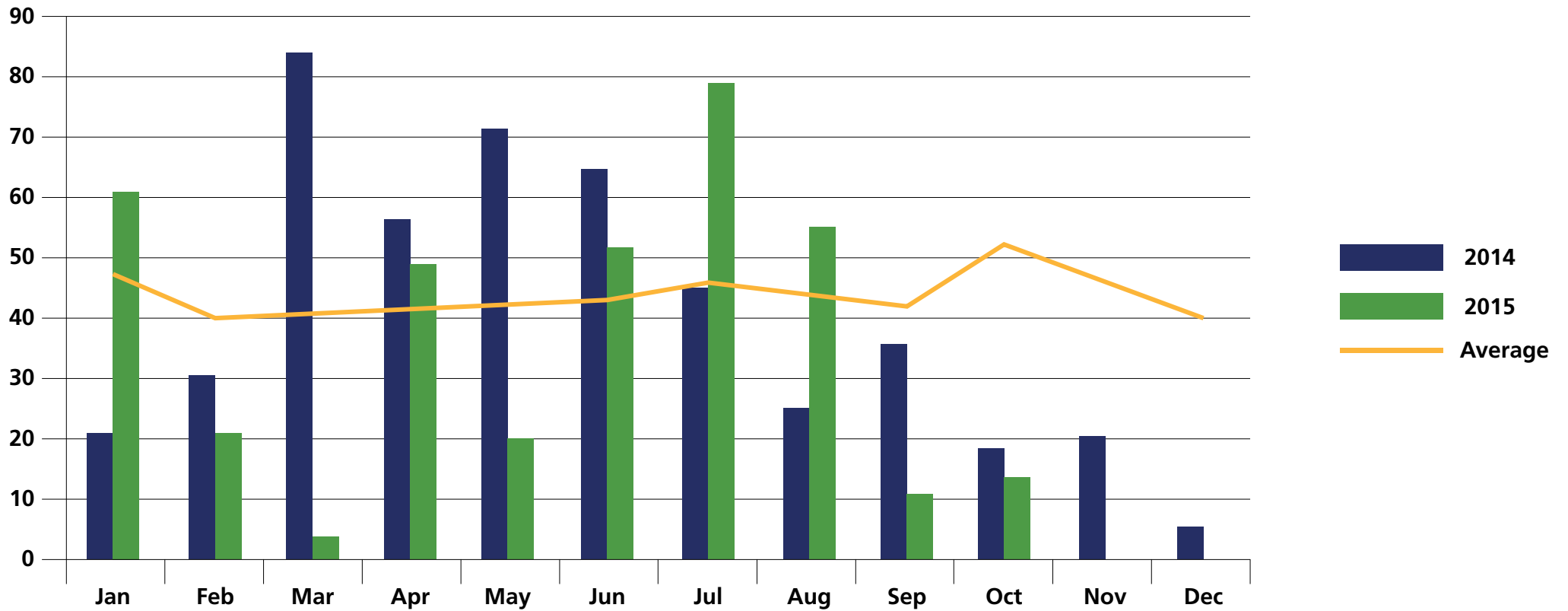
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Control % - Wild Oats

Treatment		Applied Rate	13 DAA	20 DAA	34 DAA
T1	Haloxyfop + Hasten	75mL/ ha + 1.0%	15.00	57.50	95.50
T2	Haloxyfop + MSO with LECI-TECH	75mL/ ha + 1.0%	12.50	51.25	94.75
T3	Haloxyfop + Liberate	75mL/ ha + 0.5%	15.00	48.75	95.50
T4	Haloxyfop + Uptake	75mL/ ha + 0.5%	10.00	56.25	93.75
T5	Butroxydim + MSO with LECI-TECH	150gm/ ha + 1.0%	25.00	68.75	96.50
T6	Butroxydim + Supercharge Elite	150gm/ ha + 0.75%	25.00	72.50	96.75
T7	Butroxydim + Liberate	150gm/ ha + 0.5%	20.00	72.50	97.00
T8	Untreated/ Control	-	0	0	0
		LSD (P=0.05)	9.973	8.989	3.228
		CV	44.28	11.44	2.62

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Temora - Rainfall (mm)



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Conclusions

- Butroxydim provided some level of phytotoxicity and biomass reduction
- All ARG not controlled by treatments would be considered resistant to group A herbicides