

2015 Loveland Agri Products Trial Data

Terbyne + /- Adjuvants in Canola

Canola - Temora, NSW

Lov15_34

Trial Setup

- Fully randomised & replicated plot work – 4 replicates
- Plot size = 10m X 2.5m
- Treatments applied – Atrazine +/- Hasten, MSO, Uptake or Liberate
- Spraying Date – 20th July 2015
- Crop Growth Stage – 6 – 8 leaf

Spraying Date	20th July 2015
Site	Temora Research Station
Variety	Stingray TT Canola @ 3.0 kg/ha
Protocol	Terbyne +/- Hasten, MSO, Uptake or Liberate
GSP	Terbyne + Uptake

Trial Protocol

Treatment #	Treatment	Applied Rate
T1	Untreated	----
T2	Hasten @ 1.0% v/v	Terbyne @ 1000 gms/ha
T3	MSO Leci Tech @ 1.0% v/v	Terbyne @ 1000 gms/ha
T4	Uptake @ 0.5% v/v	Terbyne @ 1000 gms/ha
T5	Liberate @ 0.5% v/v	Terbyne @ 1000 gms/ha
T6	Hasten @ 0.5% v/v	Terbyne @ 1000 gms/ha
T7	MSO Leci Tech @ 0.5% v/v	Terbyne @ 1000 gms/ha

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Biomass Reduction

Treatment	Rate/ha	17 DAA	24 DAA	45 DAA	59 DAA
Untreated Control	--	0	0	0	0
Hasten	1.0%	0	0	0	0
MSO Leci Tech	1.0%	0	0	0	0
Uptake	0.5%	0	0	0	0
Liberate	0.5%	0	0	0	0
Hasten	0.5%	0	0	0	0
MSO Leci Tech	0.5%	0	0	0	0
	LSD (P=.05)				
	CV				

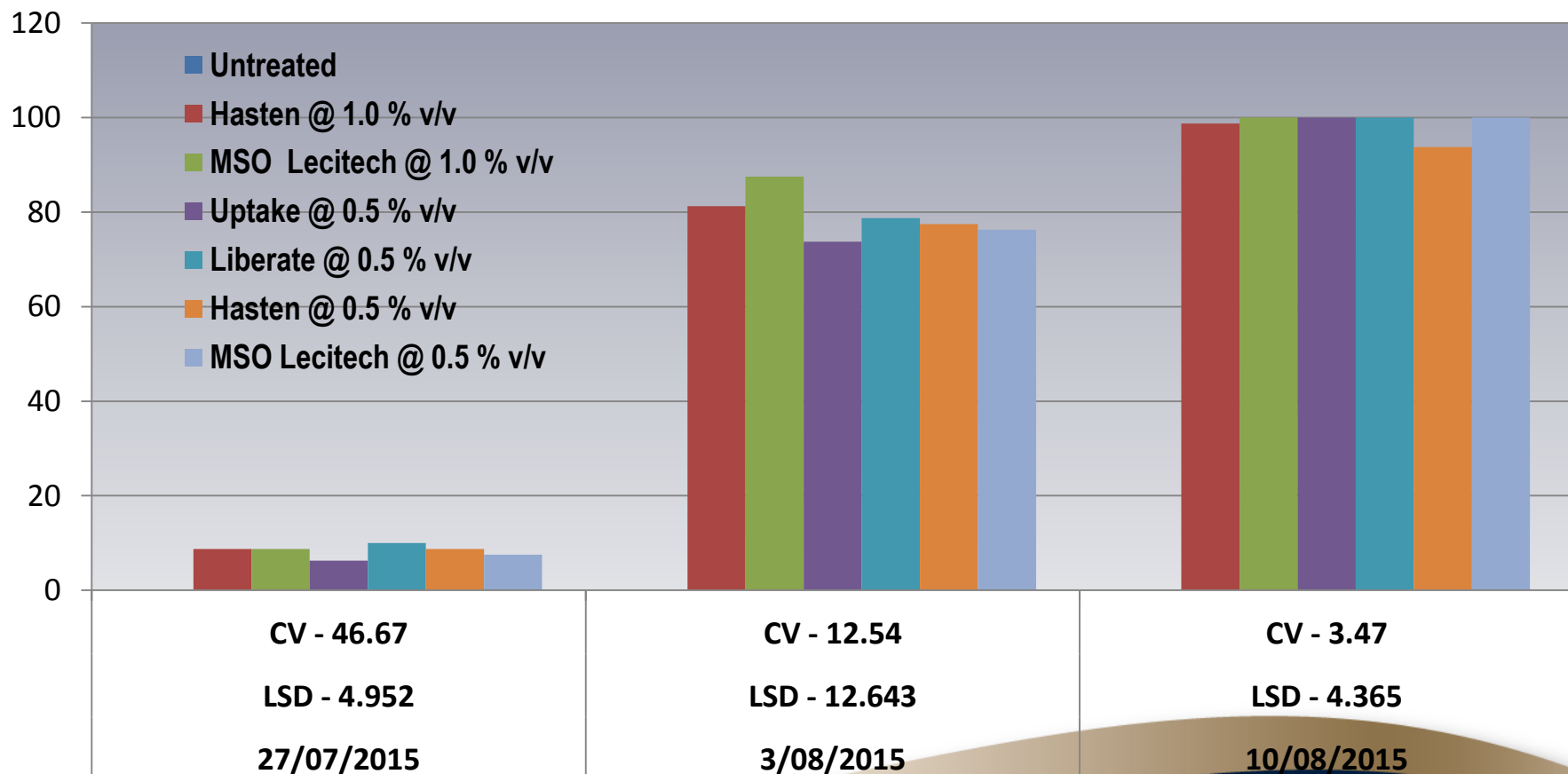
Phytotoxicity

Treatment	Rate/ha	17 DAA	24 DAA	45 DAA	59 DAA
Untreated Control	--	0	0	0	0
Hasten	1.0%	1.25	0	0	0
MSO Leci Tech	1.0%	1.25	0	0	0
Uptake	0.5%	0	0	0	0
Liberate	0.5%	0	0	0	0
Hasten	0.5%	0	0	0	0
MSO Leci Tech	0.5%	0	0	0	0
	LSD (P=.05)	1.812			
	CV	341.57			

Plant Death % - Indian Hedge Mustard

Treatment	Rate/ha	7 DAA	14 DAA	21 DAA	28 DAA
Untreated Control	--	0	0	0	0
Hasten	1.0%	8.75	81.25	98.75	100
MSO Leci Tech	1.0%	8.75	87.5	100	100
Uptake	0.5%	6.25	73.75	100	100
Liberate	0.5%	10	78.75	100	100
Hasten	0.5%	8.75	77.5	93.75	97.5
MSO Leci Tech	0.5%	7.5	76.25	100	100
	LSD (P=.05)	1.812			
	CV	341.57			

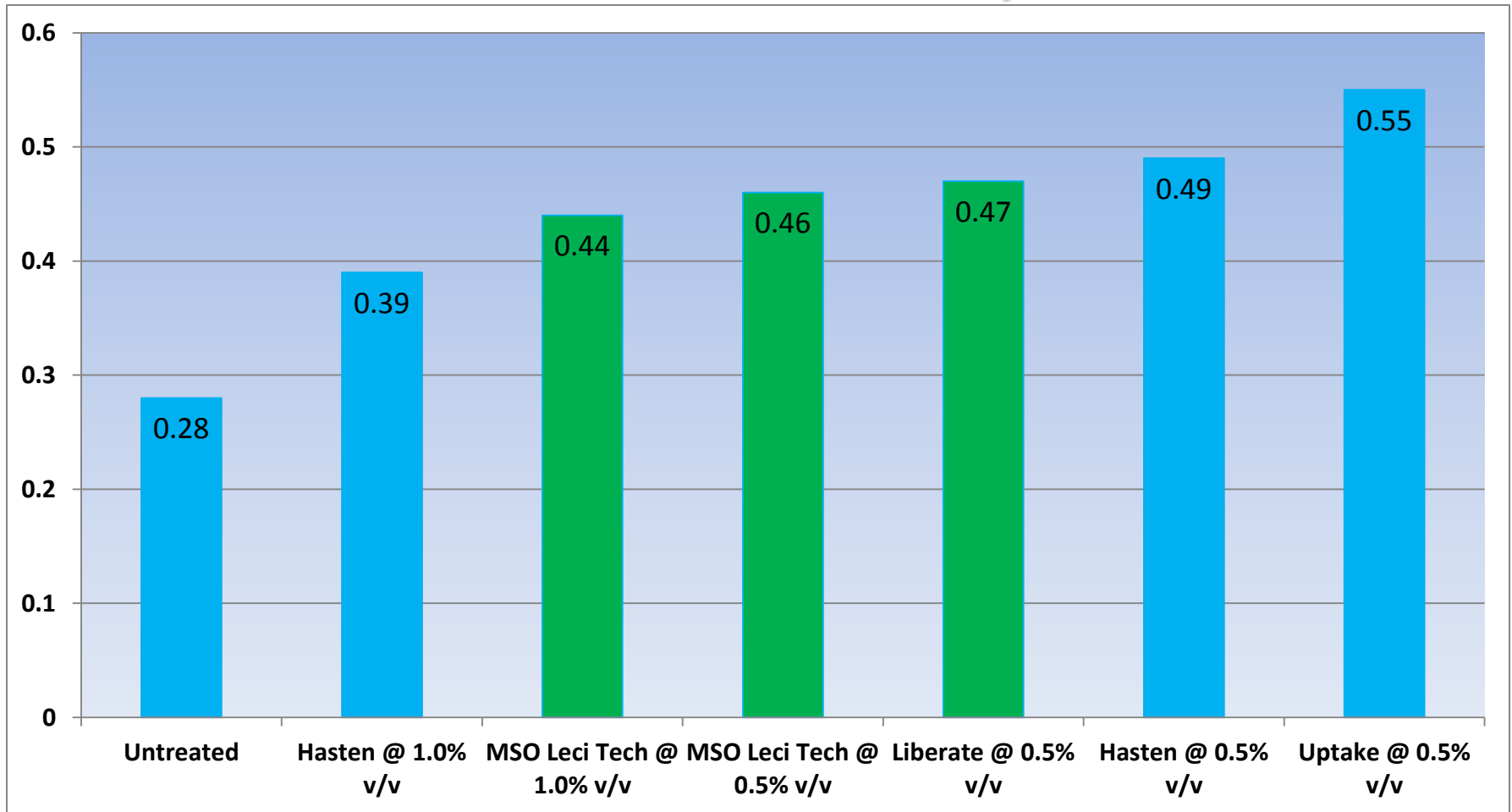
Plant Death % - Indian Hedge Mustard



Canola Yield - t/ha

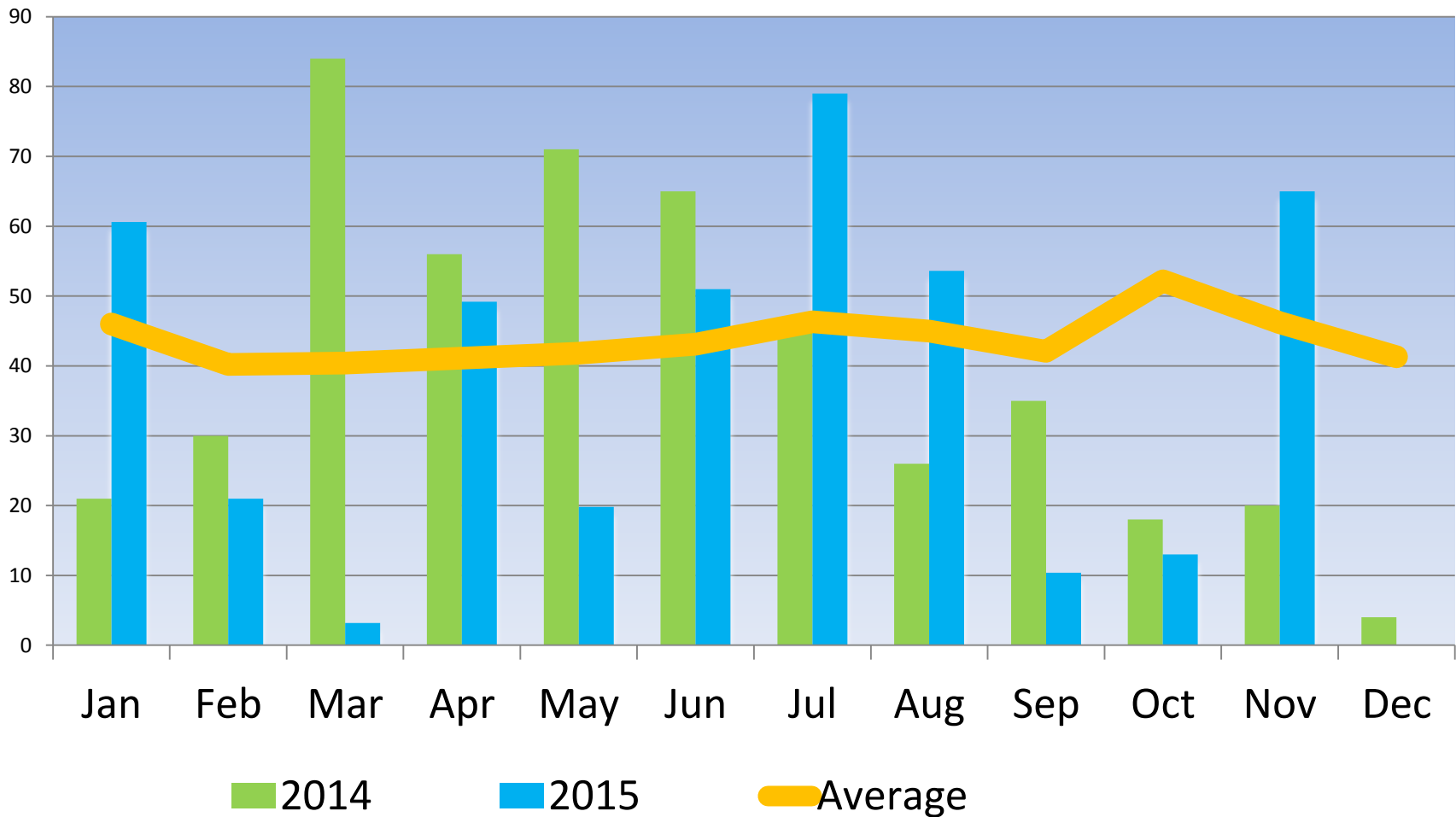
Treatment #	Treatment	Rate/ha	Yield t/ha
T1	Untreated	----	0.28
T2	Hasten @ 1.0% v/v	Terbyne @ 1000 gms/ha	0.39
T3	MSO Leci Tech @ 1.0% v/v	Terbyne @ 1000 gms/ha	0.44
T4	Uptake @ 0.5% v/v	Terbyne @ 1000 gms/ha	0.55
T5	Liberate @ 0.5% v/v	Terbyne @ 1000 gms/ha	0.47
T6	Hasten @ 0.5% v/v	Terbyne @ 1000 gms/ha	0.49
T7	MSO Leci Tech @ 0.5% v/v	Terbyne @ 1000 gms/ha	0.46

Canola Yield - t/ha



LSD (P=.05) = 0.193 CV = 29.62

Temora Research Station - Rainfall



Conclusions

- Trial was sown late.
- Extremely wet block in lower back corner.
- Terbyne trial block appeared to have more capeweed plants when compared to Atrazine.
- No Phytotoxicity observed.
- Biomass reduction very low and not seen on 2nd assessment.
- MSO Lecitech and Liberate would be considered suitable alternatives to Hasten and uptake when applied at equivalent rates, when tank mixed with Terbyne herbicide.