



# ***Loveland***

## ***AGRI PRODUCTS***

### **Trial Data**

*MSO with LECI-TECH - Canola*

*Temora, NSW*

# Trial Setup

- Fully randomised and replicated plot work - 4 replicates
- Plot size - 10m X 2.5m

**Treatments:** *Atrazine +/- Hasten, MSO with LECI-TECH, Uptake, Liberate*

**Growth stage:** *6 - 8 Leaf*

**Spraying date:** *20/07/2015*

**Site:** *Temora, NSW*

**Variety:** *Stingray TT Canola @ 3kg/ ha*

**GSP:** *Terbyne + Uptake*

**Protocol:** *Terbyne +/- Hasten, MSO with LECI-TECH, Uptake, Liberate*

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# Trial Protocol

Treatment			Applied Rate / ha
T1	Untreated	-	-
T2	Hasten	1.0% v/v	Terbyne @ 1000gm/ ha
T3	MSO with LECI-TECH	1.0% v/v	Terbyne @ 1000gm/ ha
T4	Uptake	0.5% v/v	Terbyne @ 1000gm/ ha
T5	Liberate	0.5% v/v	Terbyne @ 1000gm/ ha
T6	Hasten	0.5% v/v	Terbyne @ 1000gm/ ha
T7	MSO with LECI-TECH	0.5% v/v	Terbyne @ 1000gm/ ha

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# Biomass Reduction

Treatment		17 DAA	24 DAA	45 DAA	59 DAA
Untreated	-	0	0	0	0
Hasten	1.0%	0	0	0	0
MSO with 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 with LECI-TECH	0.5%	0	0	0	0
	LSD (P=0.05)	-	-	-	-
	CV	-	-	-	-

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# Phytotoxicity

Treatment		17 DAA	24 DAA	45 DAA	59 DAA
Untreated	-	0	0	0	0
Hasten	1.0%	1.25	0	0	0
MSO with 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 with LECI-TECH	0.5%	0	0	0	0
	LSD (P=0.05)	1.812	-	-	-
	CV	341.57	-	-	-

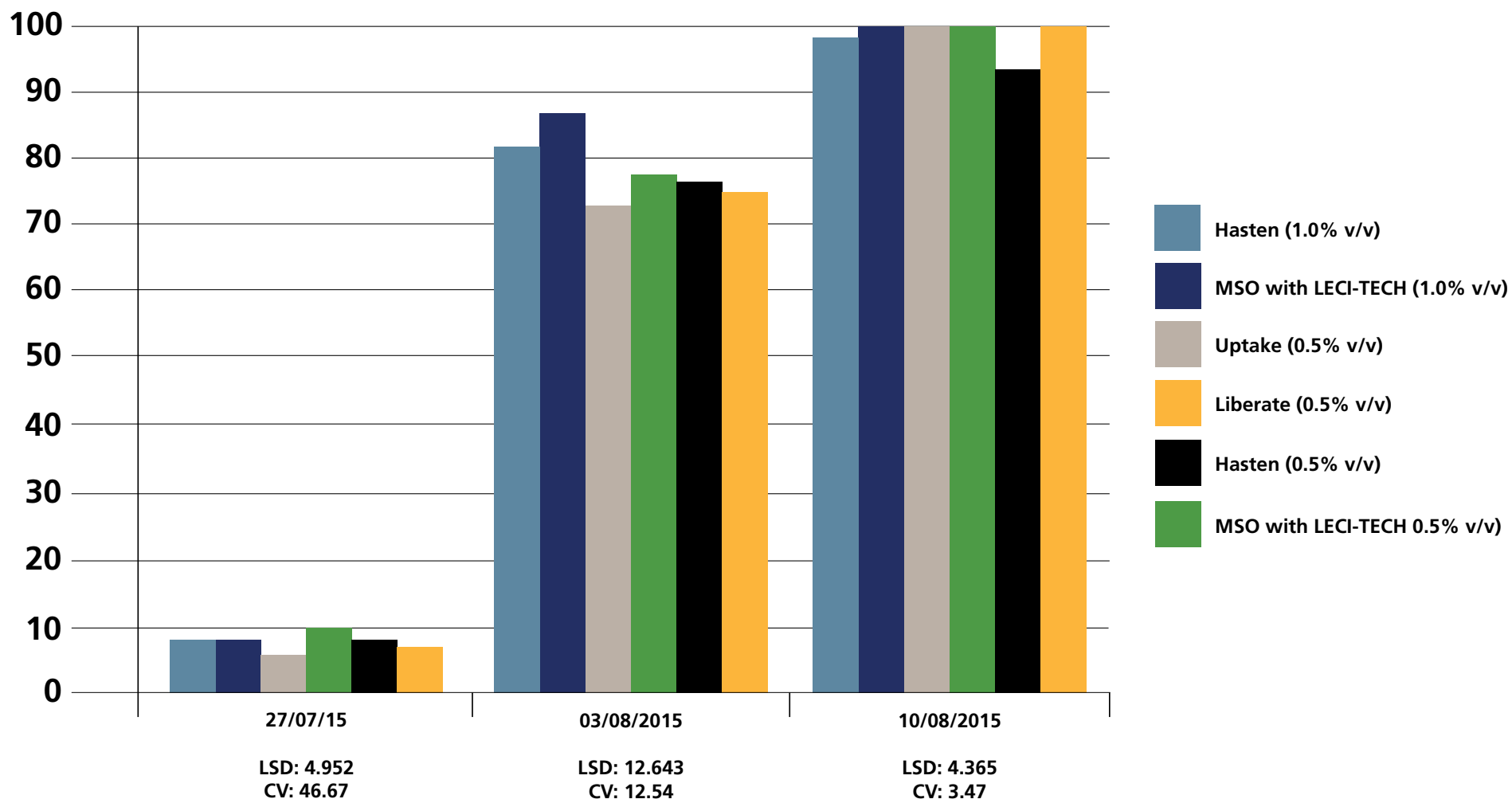
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# Plant Death % - Indian Hedge Mustard

Treatment		7 DAA	14 DAA	21 DAA	28 DAA
Untreated	-	0	0	0	0
Hasten	1.0%	8.75	81.25	98.75	100
MSO with 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 with LECI-TECH	0.5%	7.5	76.25	100	100
LSD (P=0.05)		1.812	-	-	-
CV		341.57	-	-	-

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# Plant Death % - Indian Hedge Mustard



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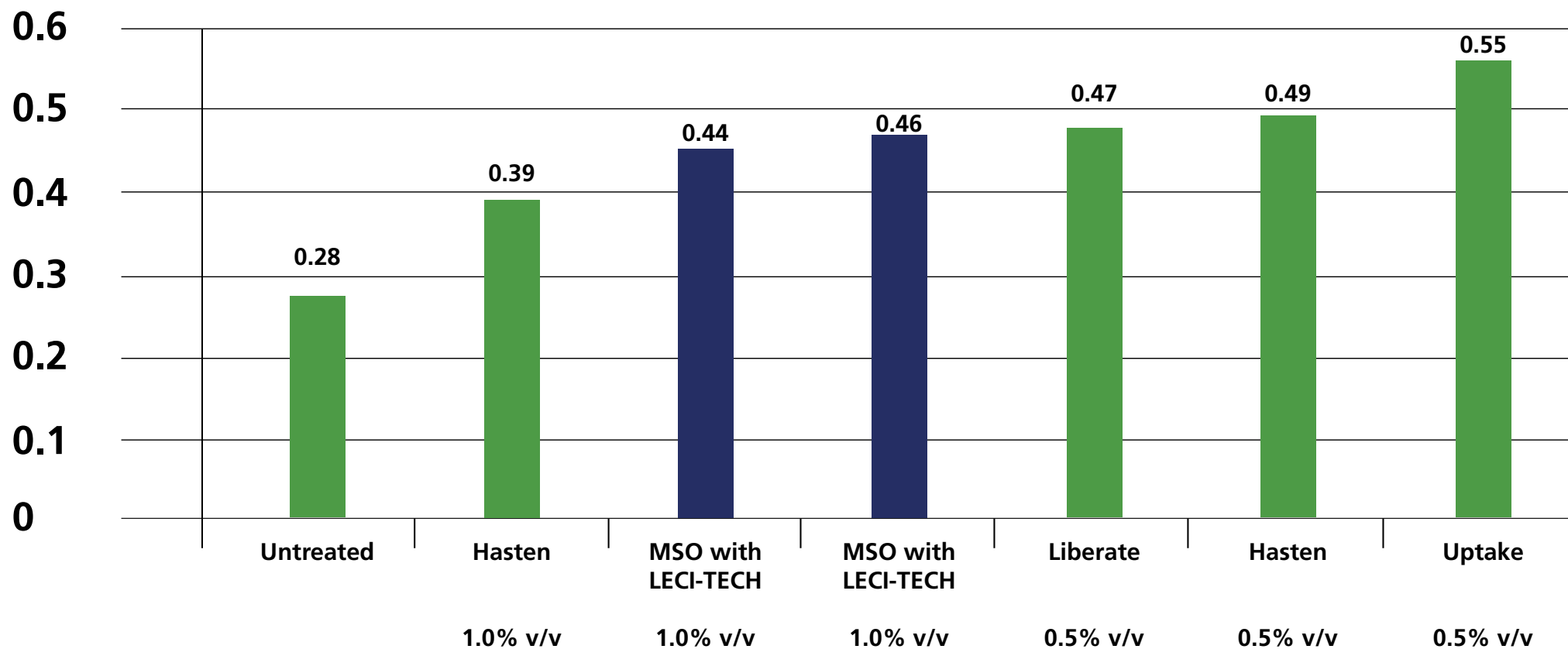
# Canola Yield - t/ ha

Treatment			Rate/ ha	Yield t/ ha
T1	Untreated	-	-	0.28
T2	Hasten	1.0%	Terbyne @ 1000gm/ ha	0.39
T3	MSO with LECI-TECH	1.0%	Terbyne @ 1000gm/ ha	0.44
T4	Uptake	0.5%	Terbyne @ 1000gm/ ha	0.55
T5	Liberate	0.5%	Terbyne @ 1000gm/ ha	0.47
T6	Hasten	0.5%	Terbyne @ 1000gm/ ha	0.49
T7	MSO with LECI-TECH	0.5%	Terbyne @ 1000gm/ ha	0.46

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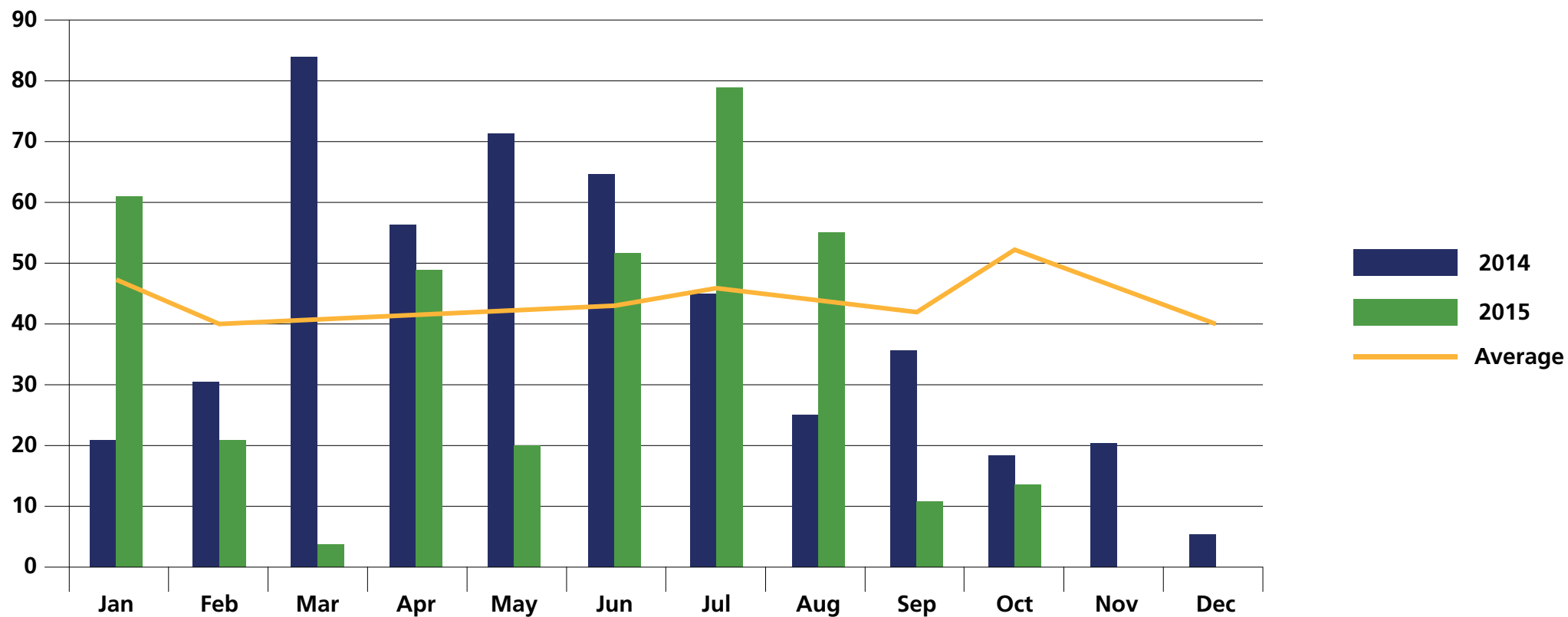


# Canola Yield - t/ ha



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# Temora - Rainfall (mm)



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# Conclusions

- Trial was sown late
- Extremely wet block in the lower back corner of the paddock
- Terbyne trial block appeared to have more capeweed plants when compared to Atrazine
- No phytotoxicity observed
- Biomass reduction very and not seen on second assessment
- MSO with LECI-TECH and Liberate would be considered suitable alternatives to Hasten and Uptake when applied at equivalent rates, when tank mixed with Terbyne herbicide