



Loveland

AGRI PRODUCTS

Trial Data

MSO with LECI-TECH - Wheat

York, WA

Trial Setup

- Fully randomised and replicated plot work - 3 replicates
- Plot size - 18m X 1.6m

Planting date: *19/05/2015*

Application date: *08/07/2015*

Site: *York, WA*

Variety: *Mace Wheat @ 80kg/ ha*

GSP: *Axial + Adigor; Topik + Uptake; Achieve + Supercharge*

Protocol: *Adjuvants with Axial, Topik & Achieve*

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Trial Protocol

Treatment		Applied Rate / ha
1	Untreated	-
2	Axial + Adigor	150mL/ ha + 0.5% v/v
3	Axial + Liberate	150mL/ ha + 0.5% v/v
4	Axial + MSO with LECI-TECH	150mL/ ha + 0.5% v/v
5	Topik + Uptake	100mL/ ha + 0.5% v/v
6	Topik + Liberate	100mL/ ha + 0.5% v/v
7	Topik + MSO with LECI-TECH	100mL/ ha + 0.5% v/v
8	Achieve + Supercharge	380gm/ ha + 0.75% v/v
9	Achiever + Liberate	380gm/ ha + 0.75% v/v

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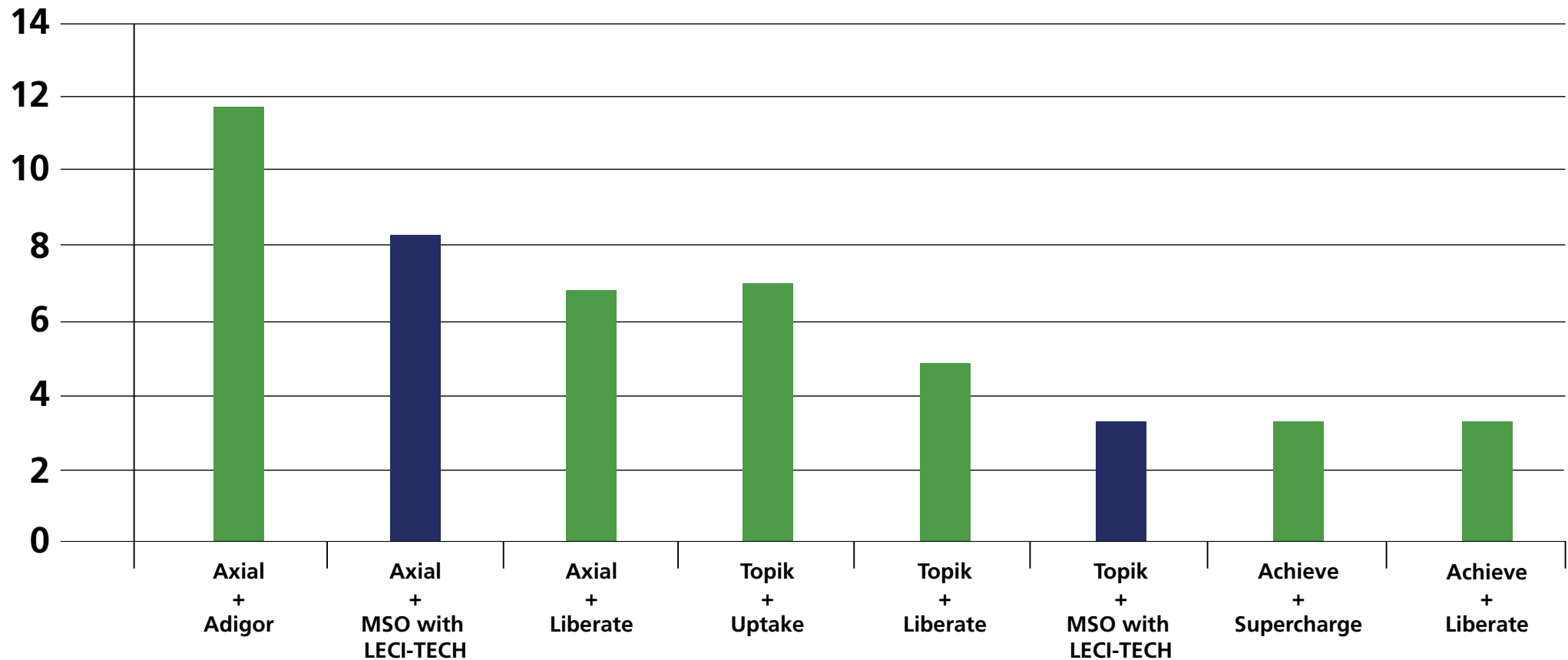
Phytotoxicity % - 14 DAA

Treatment		Applied Rate / ha	Phytotoxicity %
1	Untreated	-	0.0
2	Axial + Adigor	150mL/ ha + 0.5% v/v	11.7
3	Axial + Liberate	150mL/ ha + 0.5% v/v	6.7
4	Axial + MSO with LECI-TECH	150mL/ ha + 0.5% v/v	8.3
5	Topik + Uptake	100mL/ ha + 0.5% v/v	6.7
6	Topik + Liberate	100mL/ ha + 0.5% v/v	5.0
7	Topik + MSO with LECI-TECH	100mL/ ha + 0.5% v/v	3.3
8	Achieve + Supercharge	380gm/ ha + 0.75% v/v	3.3
9	Achiever + Liberate	380gm/ ha + 0.75% v/v	3.3

$LSD (P=.05) = 10.33$ $CV = 111.18$

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Phytotoxicity % - 14 DAA



$LSD (P=.05) = 10.33$ $CV = 111.18$

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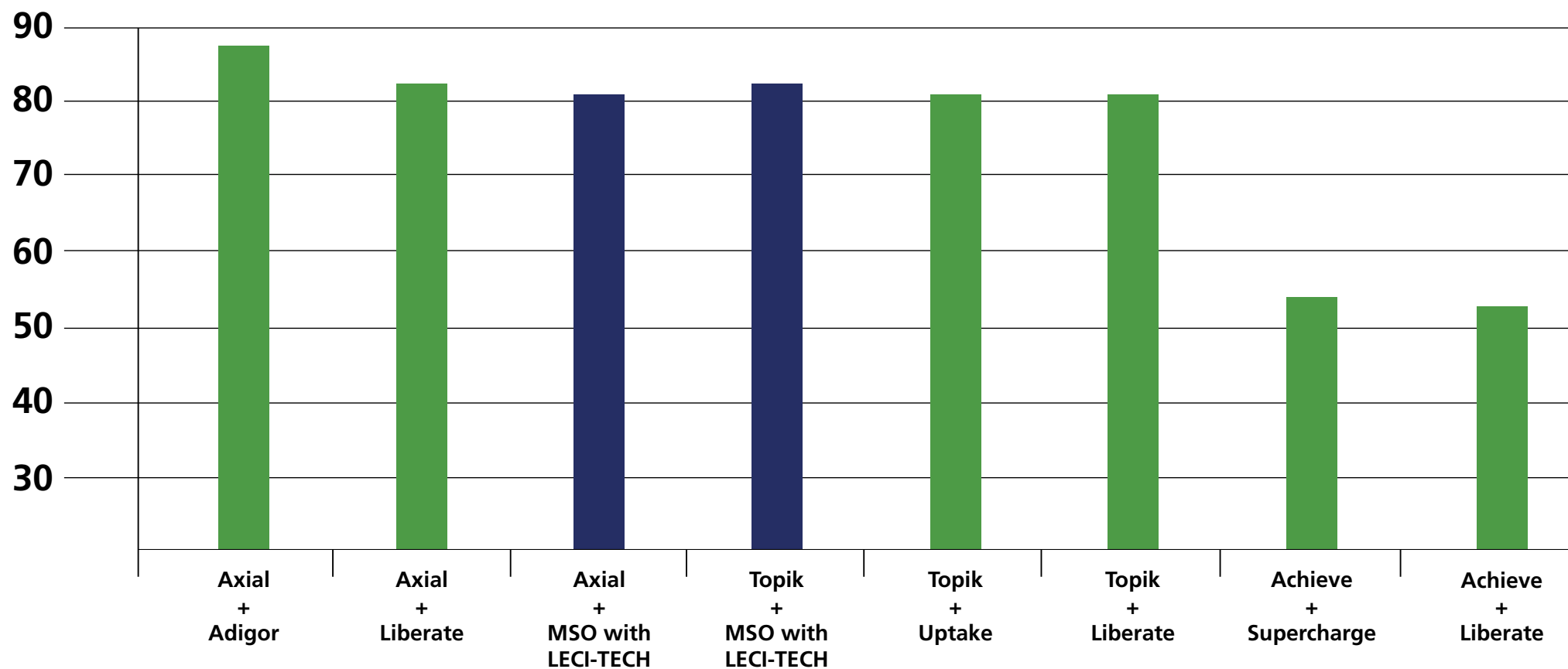
Wild Oat Control %

Treatment		Applied Rate / ha	28 DAA Control %	56 DAA Control %
1	Untreated	-	0.0	0.0
2	Axial + Adigor	150mL/ ha + 0.5% v/v	86.7	87.3
3	Axial + Liberate	150mL/ ha + 0.5% v/v	83.3	87.7
4	Axial + MSO with LECI-TECH	150mL/ ha + 0.5% v/v	81.7	87.3
5	Topik + Uptake	100mL/ ha + 0.5% v/v	81.7	90.0
6	Topik + Liberate	100mL/ ha + 0.5% v/v	81.7	90.0
7	Topik + MSO with LECI-TECH	100mL/ ha + 0.5% v/v	83.3	89.3
8	Achieve + Supercharge	380gm/ ha + 0.75% v/v	55.0	71.7
9	Achiever + Liberate	380gm/ ha + 0.75% v/v	53.3	70.0

LSD (P=0.05) = 6.01 CV 5.15

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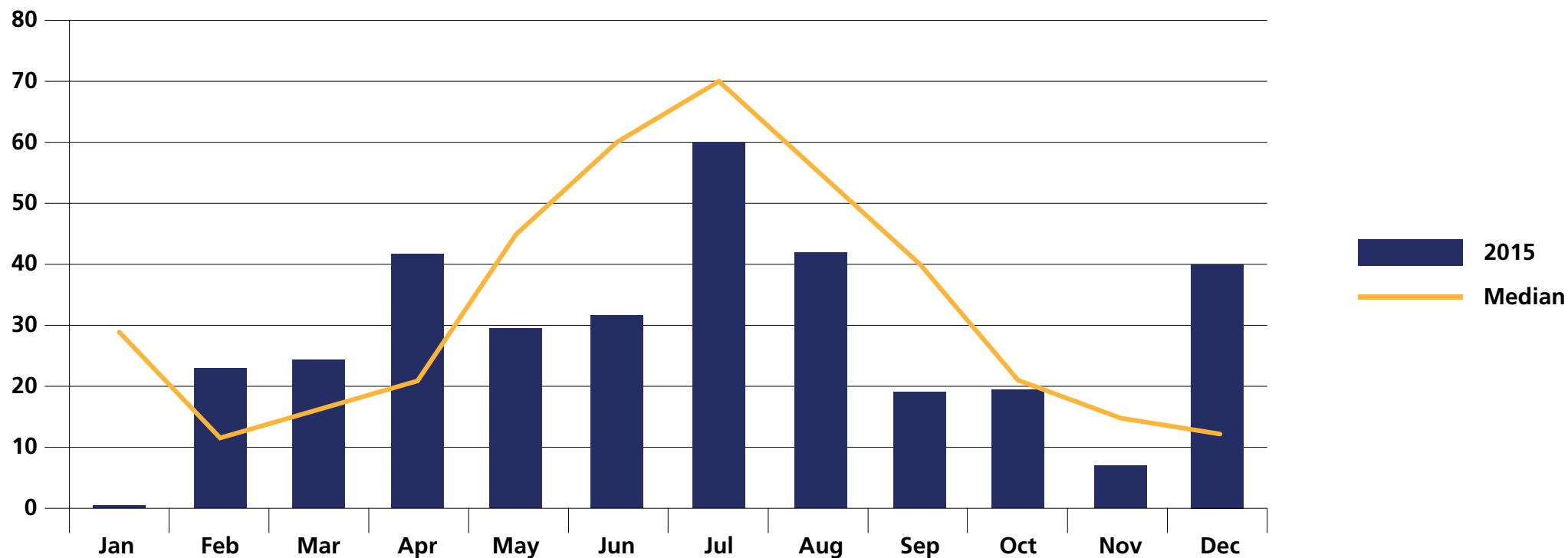
Wild Oat Control % - 28 DAA



LSD (P=0.05) = 6.01 CV 5.15

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York - Rainfall (mm)



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Conclusions

- Trial conducted at York in WA to compare Loveland Agri Products Adjuvants MSO with LECI-TECH and Liberate with industry standards Adigor, Uptake and Supercharge when tank mixed with either Axial, Topik or Achieve
- When tank mixed with Axial, Liberate and MSO with LECI-TECH recorded a lower percentage of phytotoxicity and equal to or slightly improved weed efficacy when compared to Axial and Adigor
- When tank mixed with Topik, Liberate and MSO with LECI-TECH recorded a lower percentage of phytotoxicity and equal weed efficacy when compared to Topik + Uptake
- When tank mixed with Achieve, Liberate recorded a similar percentage of phytotoxicity and equal weed efficacy when compared to Achieve and Uptake
- Liberate and MSO with LECI-TECH performance will be suitable alternatives to the industry standard adjuvants