



# ***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

**Application date:** *11/06/2015*

**Site:** *Temora, NSW*

**Variety:** *AV Garnett @ 3kg/ ha*

**GSP:** *Clethodim + Uptake, Clethodim + Clopyralid + Uptake*

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# Trial Protocol

Treatment	Applied Rate / ha
Untreated	-
Clethodim + Clopyralid + Hasten	350mL + 120gm + 1%
Clethodim + Clopyralid + MSO with LECI-TECH	350mL + 120gm + 1%
Clethodim + Clopyralid + Uptake	350mL + 120gm + 0.5%
Clethodim + Clopyralid + Liberate	350mL + 120gm + 0.5%
Clethodim + Uptake	350mL + 0.5%
Clethodim + Butroxydim + Supercharge Elite	350mL + 80gm + 1%
Clethodim + Butroxydim + MSO with LECI-TECH	350mL + 80gm + 1%
Clethodim + Butroxydim + Uptake	350mL + 80gm + 0.5%
Clethodim + Butroxydim + Liberate	350mL + 80gm + 0.5%

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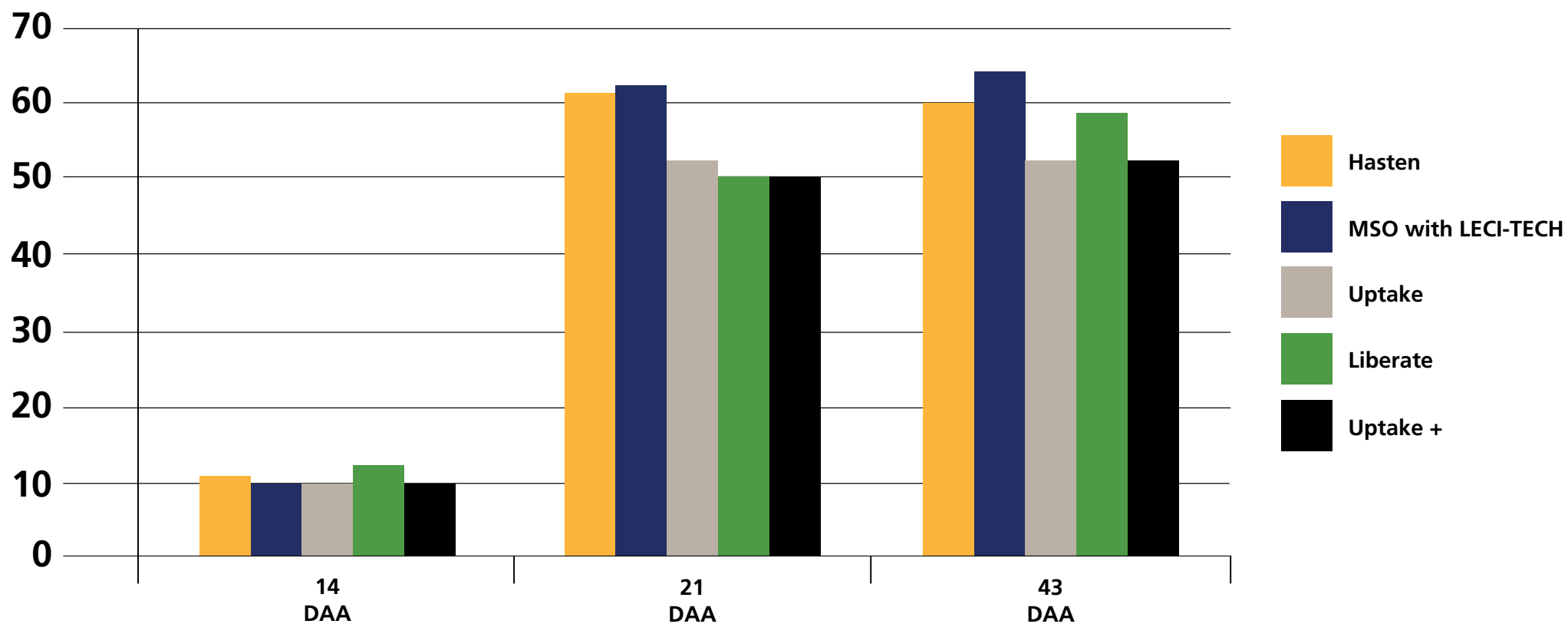
# ARG % Control

Treatment	Applied Rate / ha	14 DAA	21 DAA	43 DAA
Untreated	-	0	0	0
Clethodim + Clopyralid + Hasten	350mL + 120gm + 1%	11.25	61.25	60
Clethodim + Clopyralid + MSO with LECI-TECH	350mL + 120gm + 1%	10	62.5	63.75
Clethodim + Clopyralid + Uptake	350mL + 120gm + 0.5%	10	52.5	52.5
Clethodim + Clopyralid + Liberate	350mL + 120gm + 0.5%	12.5	50	58.75
Clethodim + Uptake	350mL + 0.5%	10	50	52.5

*LSD (P=.05) = 0.197 CV = 14.7*

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# ARG % Control



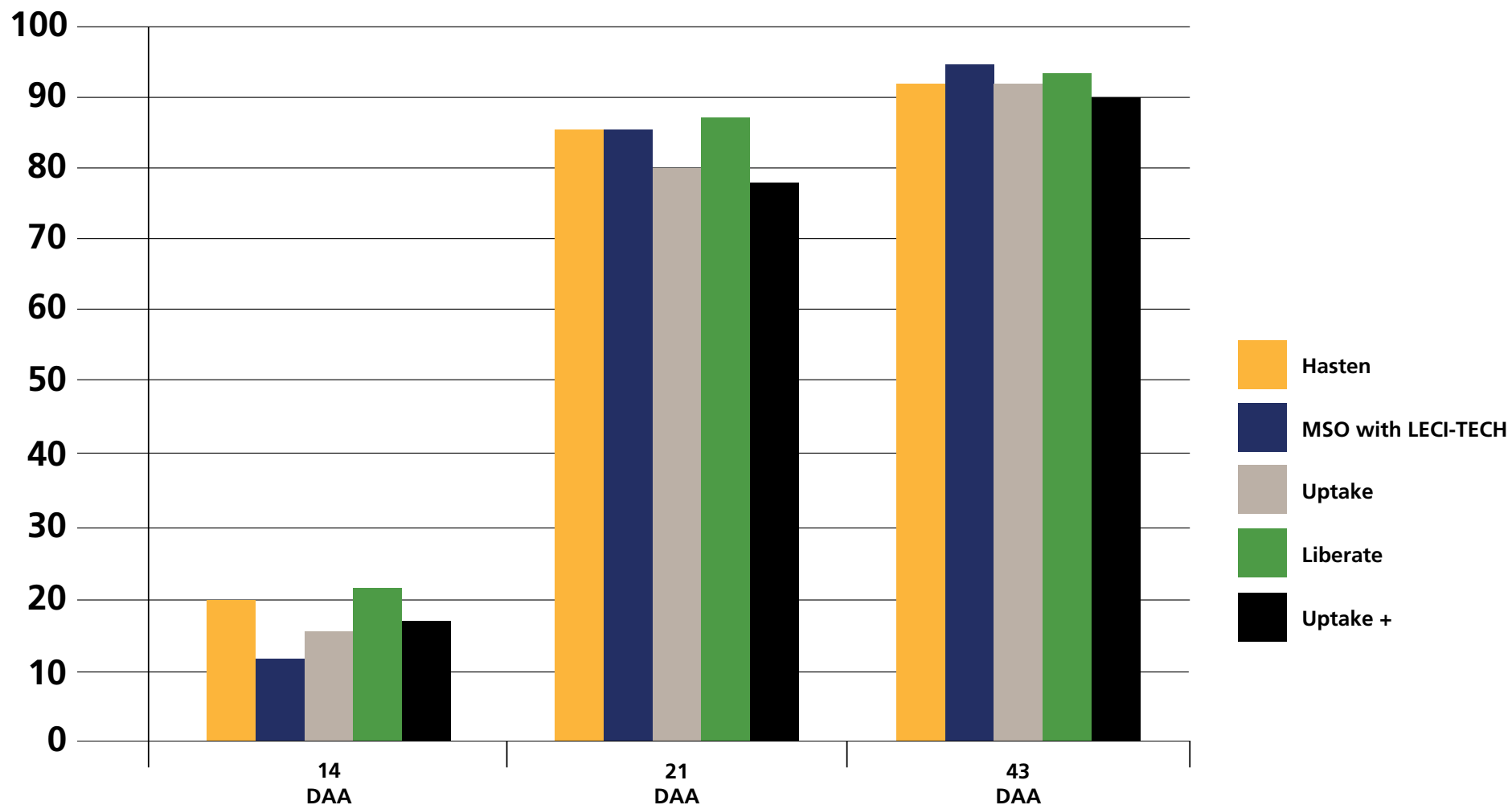
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# Wild Oats % Control

Treatment	Applied Rate / ha	14 DAA	21 DAA	43 DAA
Untreated	-	0	0	0
Clethodim + Clopyralid + Hasten	350mL + 120gm + 1%	20	85	92.5
Clethodim + Clopyralid + MSO with LECI-TECH	350mL + 120gm + 1%	12.5	85	94.75
Clethodim + Clopyralid + Uptake	350mL + 120gm + 0.5%	15	80	92.5
Clethodim + Clopyralid + Liberate	350mL + 120gm + 0.5%	22.5	87.5	93
Clethodim + Uptake	350mL + 0.5%	17.5	78.75	90

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# Wild Oats % Control



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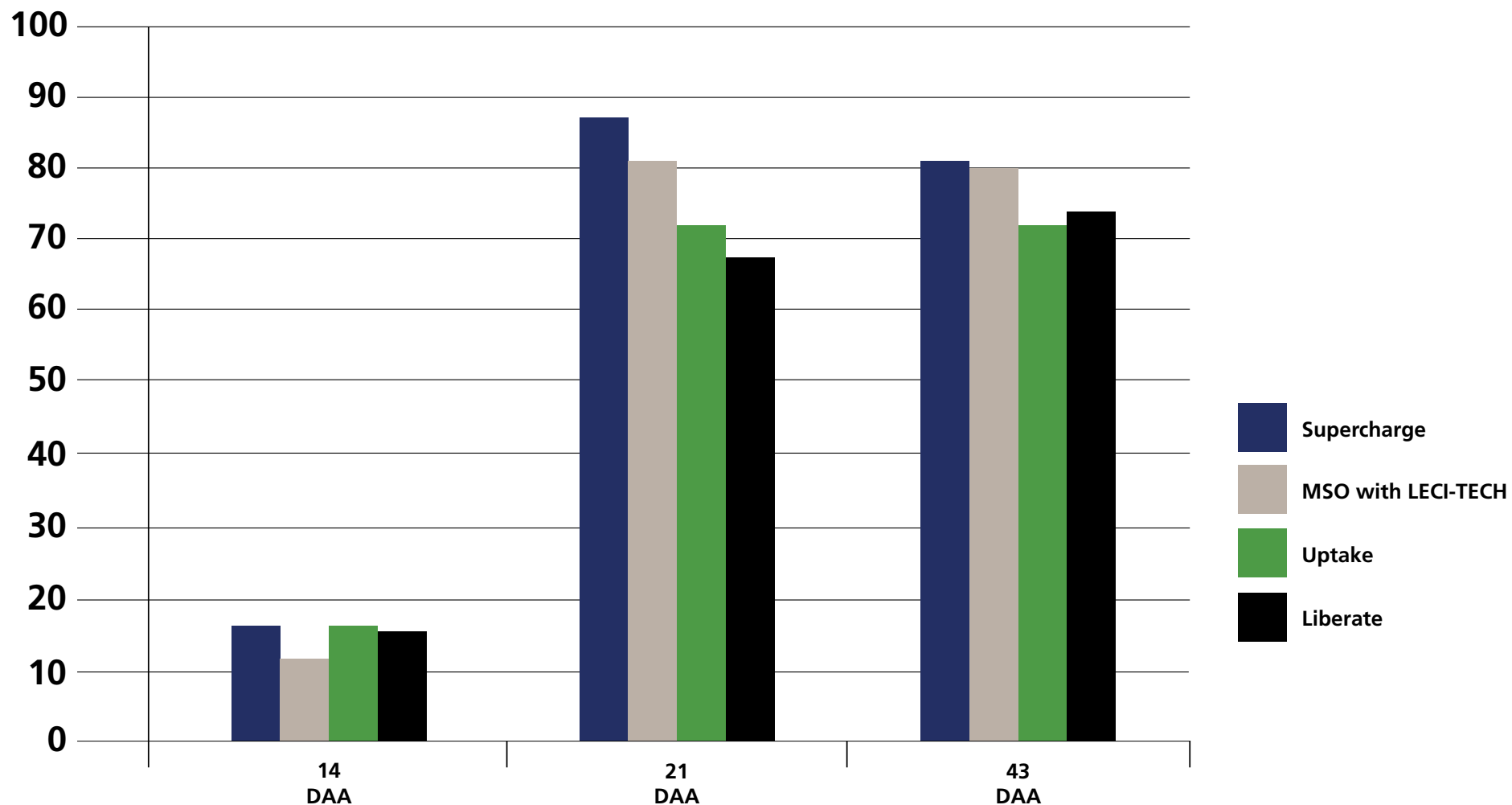
# ARG % Control

Treatment	Applied Rate / ha	14 DAA	21 DAA	43 DAA
Untreated	-	0	0	0
Clethodim + Butroxydim + Supercharge Elite	350mL + 80gm + 1%	16.25	87.5	81.25
Clethodim + Butroxydim + MSO with LECI-TECH	350mL + 80gm + 1%	12.5	81.25	80
Clethodim + Butroxydim + Uptake	350mL + 80gm + 0.5%	16.25	72.5	72.5
Clethodim + Butroxydim + Liberate	350mL + 80gm + 0.5%	15	67.5	73.75

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# ARG % Control



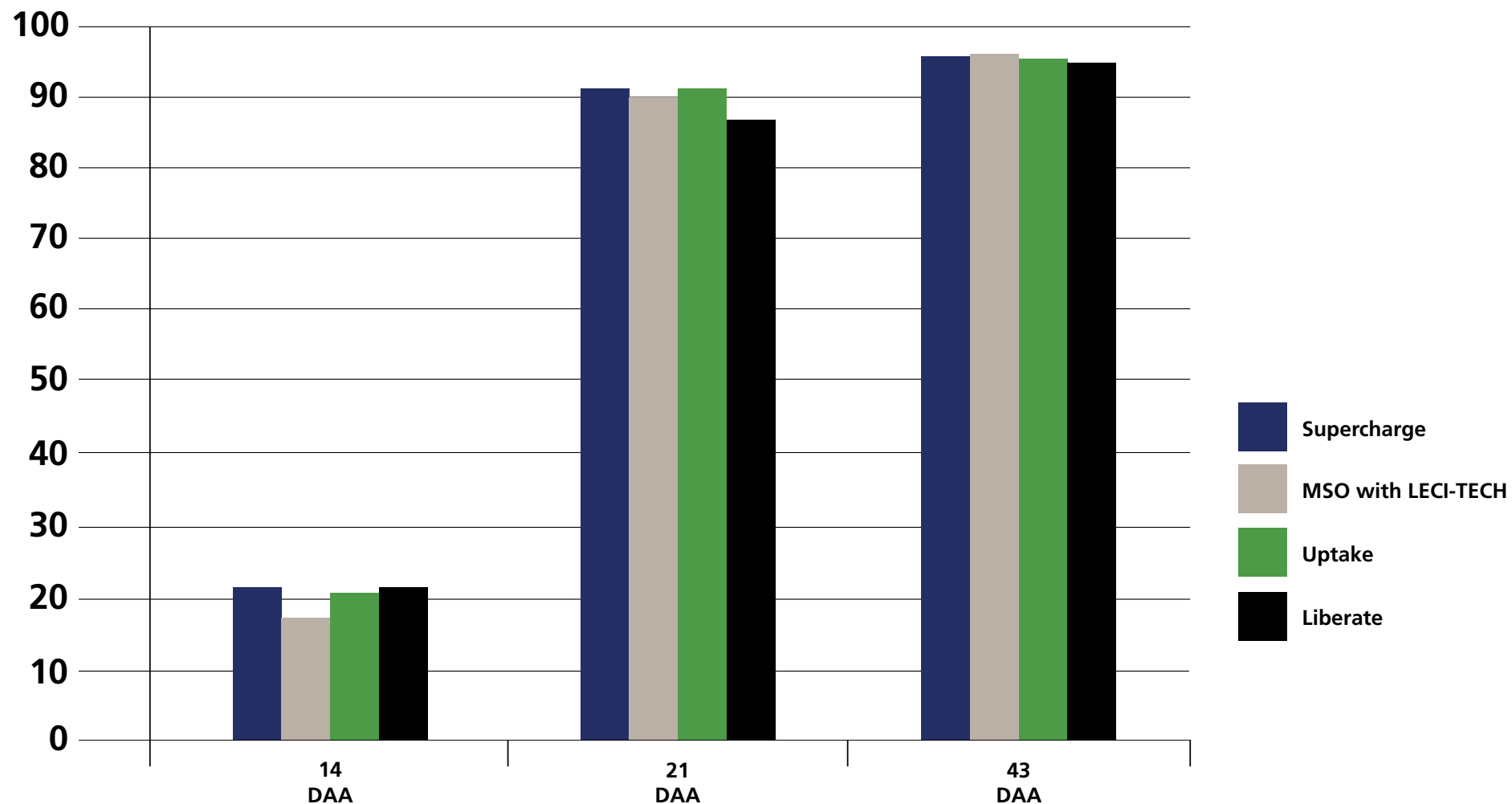
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# Wild Oats % Control

Treatment	Applied Rate / ha	14 DAA	21 DAA	43 DAA
Untreated	-	0	0	0
Clethodim + Butroxydim + Supercharge Elite	350mL + 80gm + 1%	22.5	91.25	96.5
Clethodim + Butroxydim + MSO with LECI-TECH	350mL + 80gm + 1%	17.5	90	97
Clethodim + Butroxydim + Uptake	350mL + 80gm + 0.5%	21.25	92.25	96
Clethodim + Butroxydim + Liberate	350mL + 80gm + 0.5%	22.5	87.5	95.5

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# Wild Oats % Control



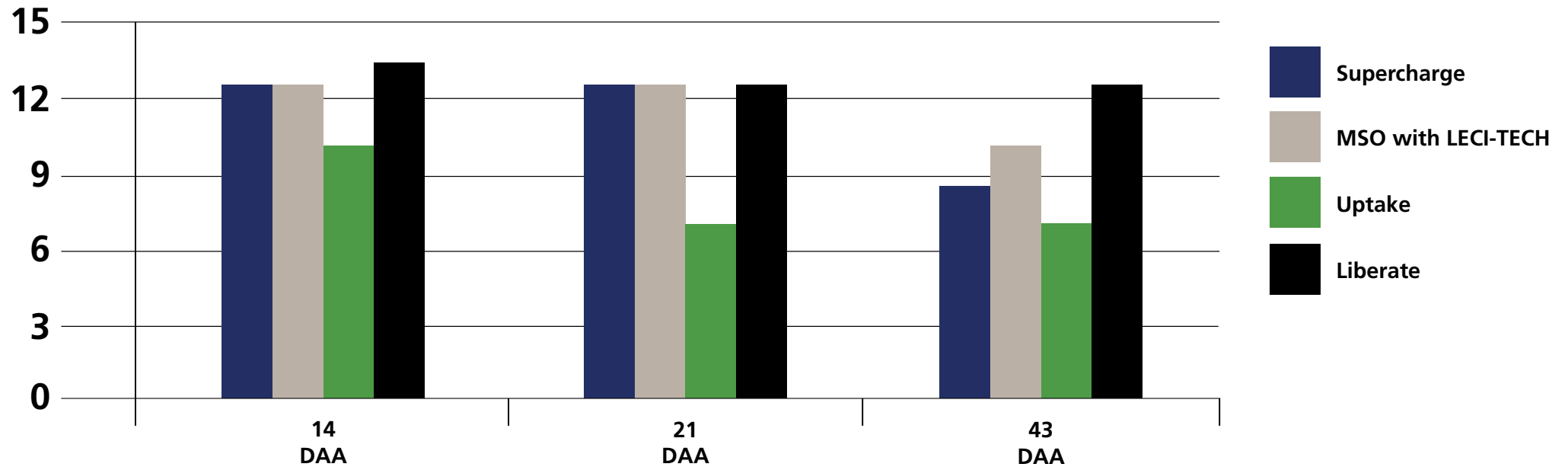
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# Biomass Reduction

Treatment	Applied Rate / ha	14 DAA	21 DAA	43 DAA
Untreated	-	0	0	0
Clethodim + Butroxydim + Supercharge Elite	350mL + 80gm + 1%	12.5	12.5	8.75
Clethodim + Butroxydim + MSO with LECI-TECH	350mL + 80gm + 1%	12.5	12.5	10
Clethodim + Butroxydim + Uptake	350mL + 80gm + 0.5%	10	7.5	7.5
Clethodim + Butroxydim + Liberate	350mL + 80gm + 0.5%	13.75	12.5	12.5

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# Biomass Reduction



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# Conclusions

- Trial conducted to determine if herbicide tank mixed with Clethodim had improved efficacy and crop safety by adding Liberate and MSO with LECI-TECH and various standard adjuvants
- Liberate and MSO with LECI-TECH compared favourably to Hasten and Uptake for both ARG and Wild Oat control when mixed with Clethodim and Clopyralid
- Liberate and MSO with LECI-TECH compared favourably to Hasten and Uptake for both ARG and Wild Oat control when mixed with Clethodim and Clopyralid
- Crop safety for mixes containing Butroxydim were unsatisfactory for all treatments
- Trial not harvested
- Rainfall not recorded due to being isolated