

2015 Loveland Agri Products Trial Data

Clethodim / Butroxydim Trial - Canola
Temora, NSW

Trial Setup

- Fully randomised & replicated plot work – 4 replicates
- Plot size = 10 m X 2.5 m
- Treatments applied – Hasten Uptake, Liberate, MSO Lecitech & Supercharge
- Application date - 11/06/2015

Site Grogan Sth NSW (Temora)

Variety AV Garnett@ 3 kg/ha

GSP Clethodim + Uptake, & Clethodim + Clopyralid + Uptake

Trial Protocol

Treatment	Rate/ha
Untreated	-
Clethodim + Clopyralid + Hasten	350ml + 120gm + 1%
Clethodim + Clopyralid + MSO Lecitech	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 Lecitech	350ml + 80gm + 1%
Clethodim + Butroxydim + Uptake	350ml + 80gm + 0.5%
Clethodim + Butroxydim + Liberate	350ml + 80gm + 0.5%

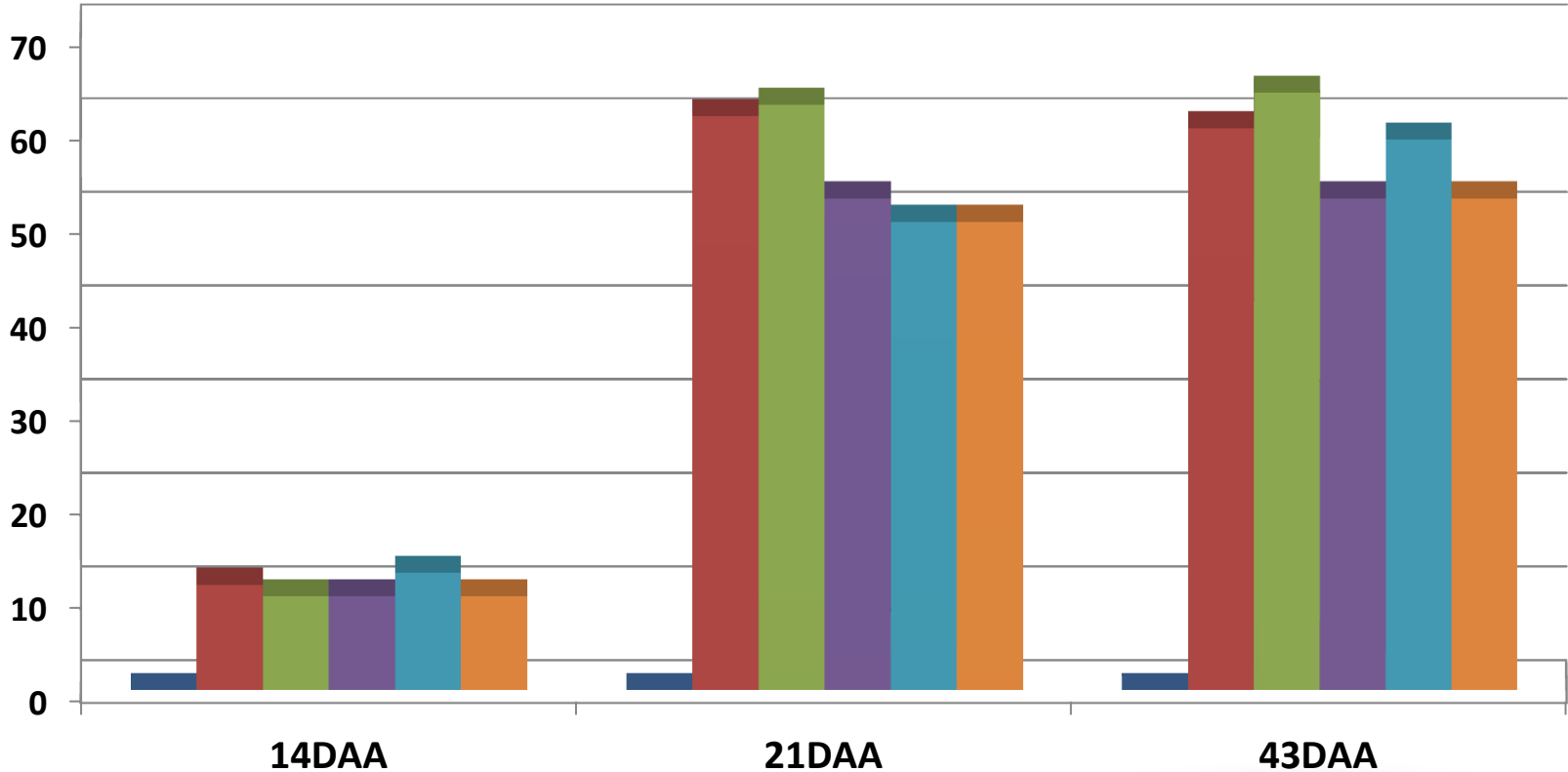
ARG % Control

Treatment	14 DAA	21 DAA	43 DAA
Untreated	0	0	0
Clethodim + Clopyralid + Hasten	11.25	61.25	60
Clethodim + Clopyralid + MSO Lecitech	10	62.5	63.75
Clethodim + Clopyralid + Uptake	10	52.5	52.5
Clethodim + Clopyralid + Liberate	12.5	50	58.75
Clethodim + Uptake	10	50	52.5

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

ARG % Control

UTC Hasten MSO Uptake Liberate Uptake +

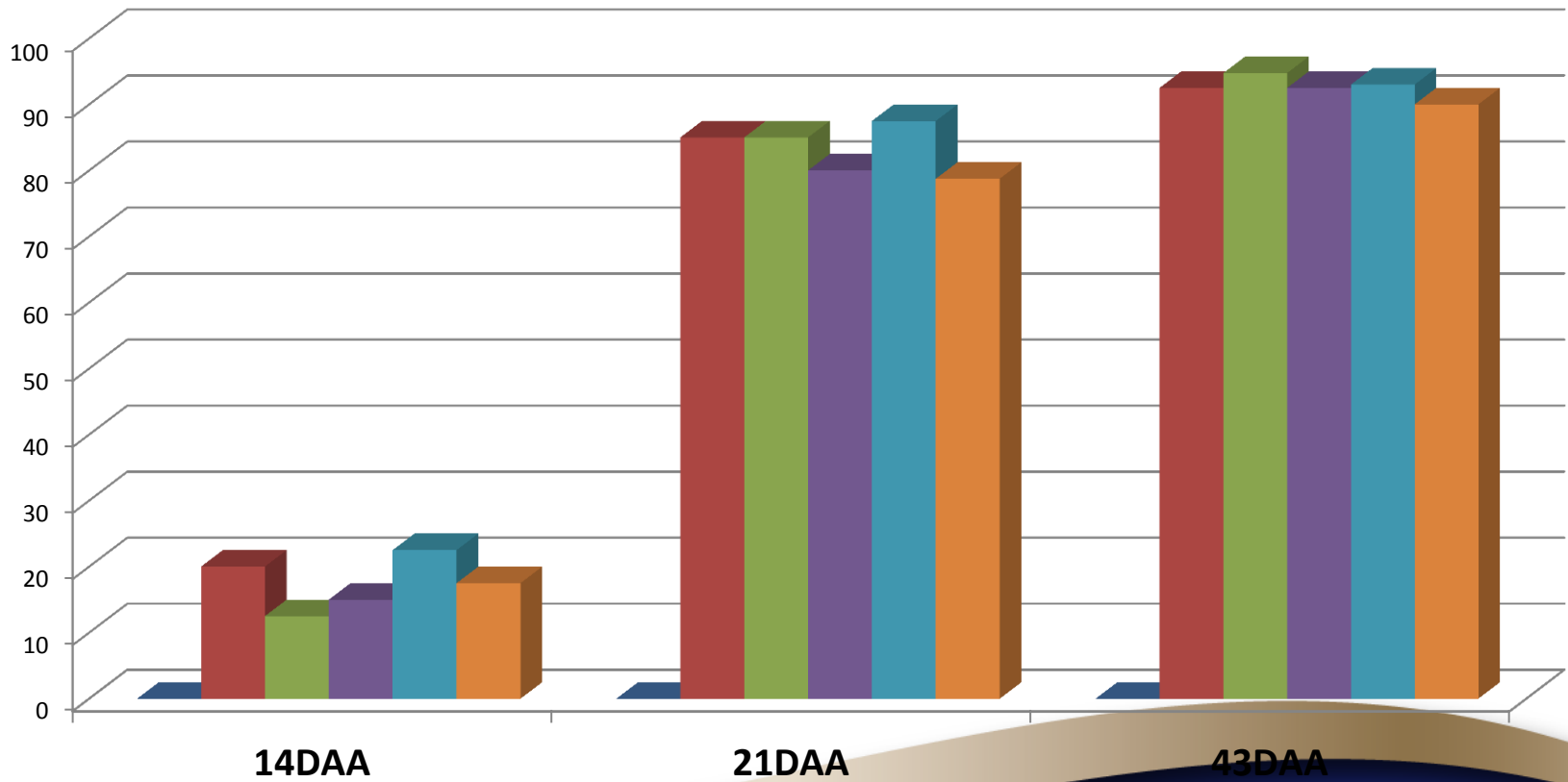


Wild Oats % Control

Treatment	14 DAA	21 DAA	43 DAA
Untreated	0	0	0
Clethodim + Clopyralid + Hasten	20	85	92.5
Clethodim + Clopyralid + MSO Lecitech	12.5	85	94.75
Clethodim + Clopyralid + Uptake	15	80	92.5
Clethodim + Clopyralid + Liberate	22.5	87.5	93
Clethodim + Uptake	17.5	78.75	90

Wild Oats % Control

UTC Hasten MSO Uptake Liberate Uptake +

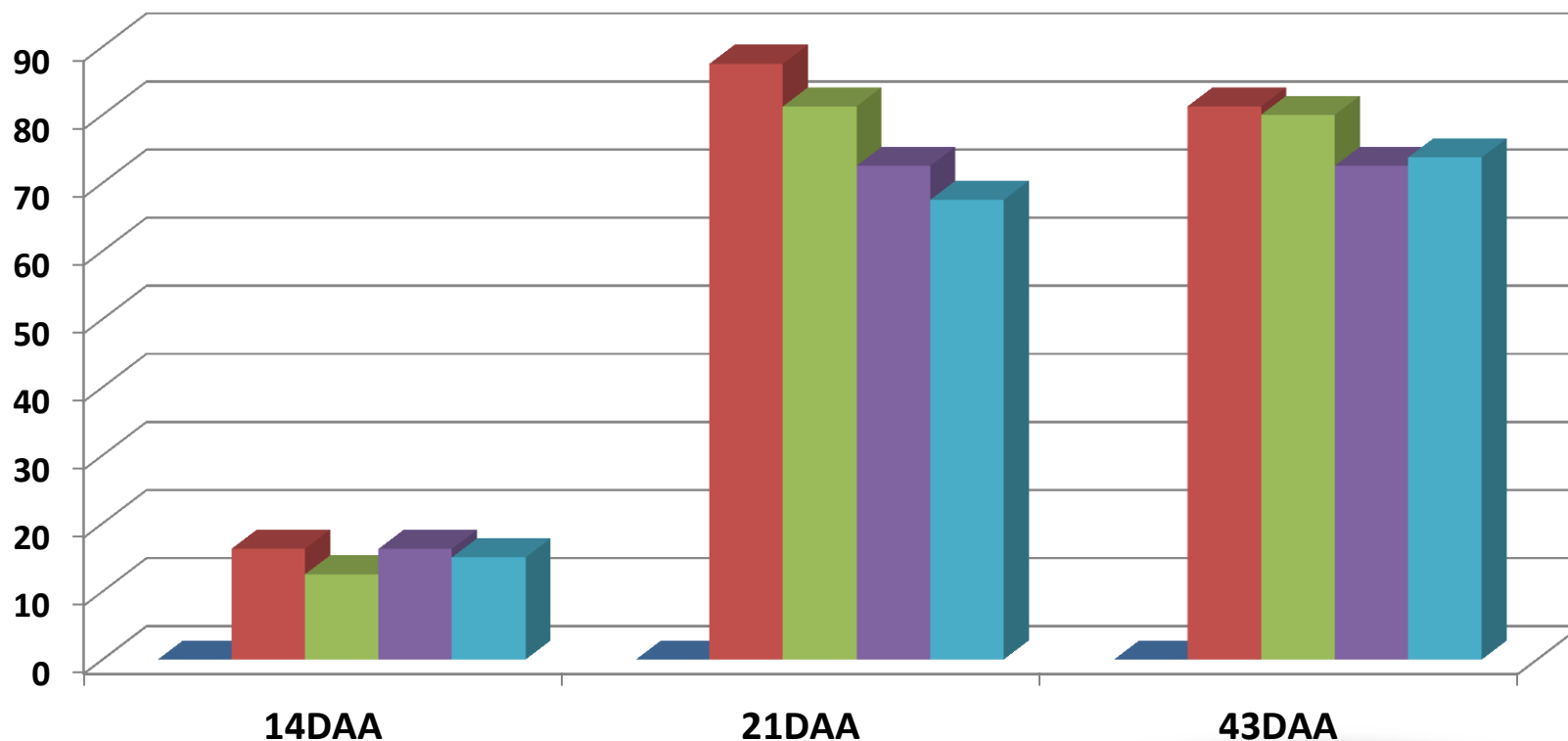


ARG % Control

Treatment	14 DAA	21 DAA	43 DAA
Untreated	0	0	0
Clethodim + Butroxydim + Supercharge Elite	16.25	87.5	81.25
Clethodim + Butroxydim + MSO Lecitech	12.5	81.25	80
Clethodim + Butroxydim + Uptake	16.25	72.5	72.5
Clethodim + Butroxydim + Liberate	15	67.5	73.75

ARG % Control

UTC Supercharge MSO Uptake Liberate

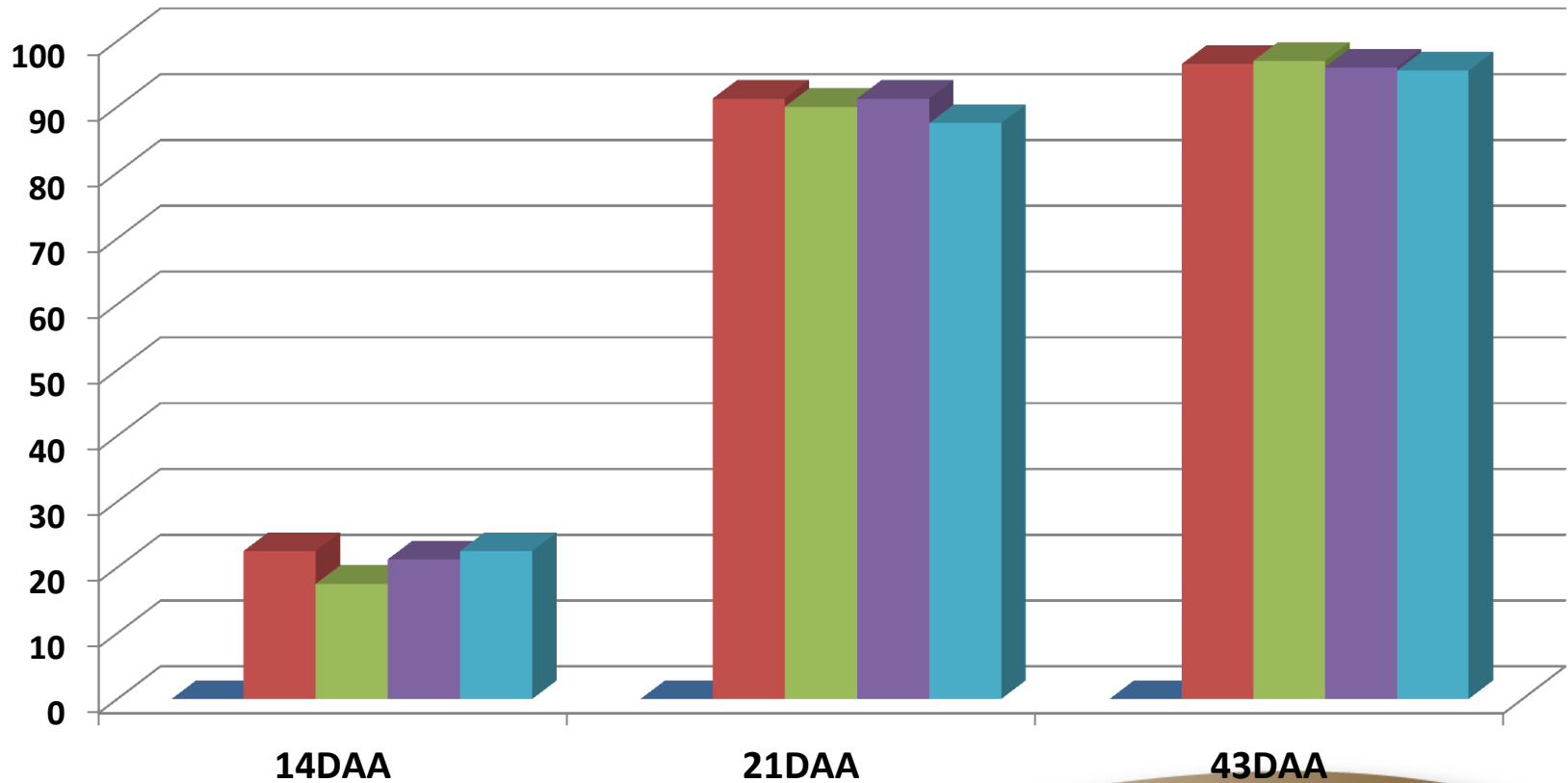


Wild Oat % Control

Treatment	14 DAA	21 DAA	43 DAA
Untreated	0	0	0
Clethodim + Butroxydim + Supercharge Elite	22.5	91.25	96.5
Clethodim + Butroxydim + MSO Lecitech	17.5	90	97
Clethodim + Butroxydim + Uptake	21.25	91.25	96
Clethodim + Butroxydim + Liberate	22.5	87.5	95.5

Wild Oat % Control

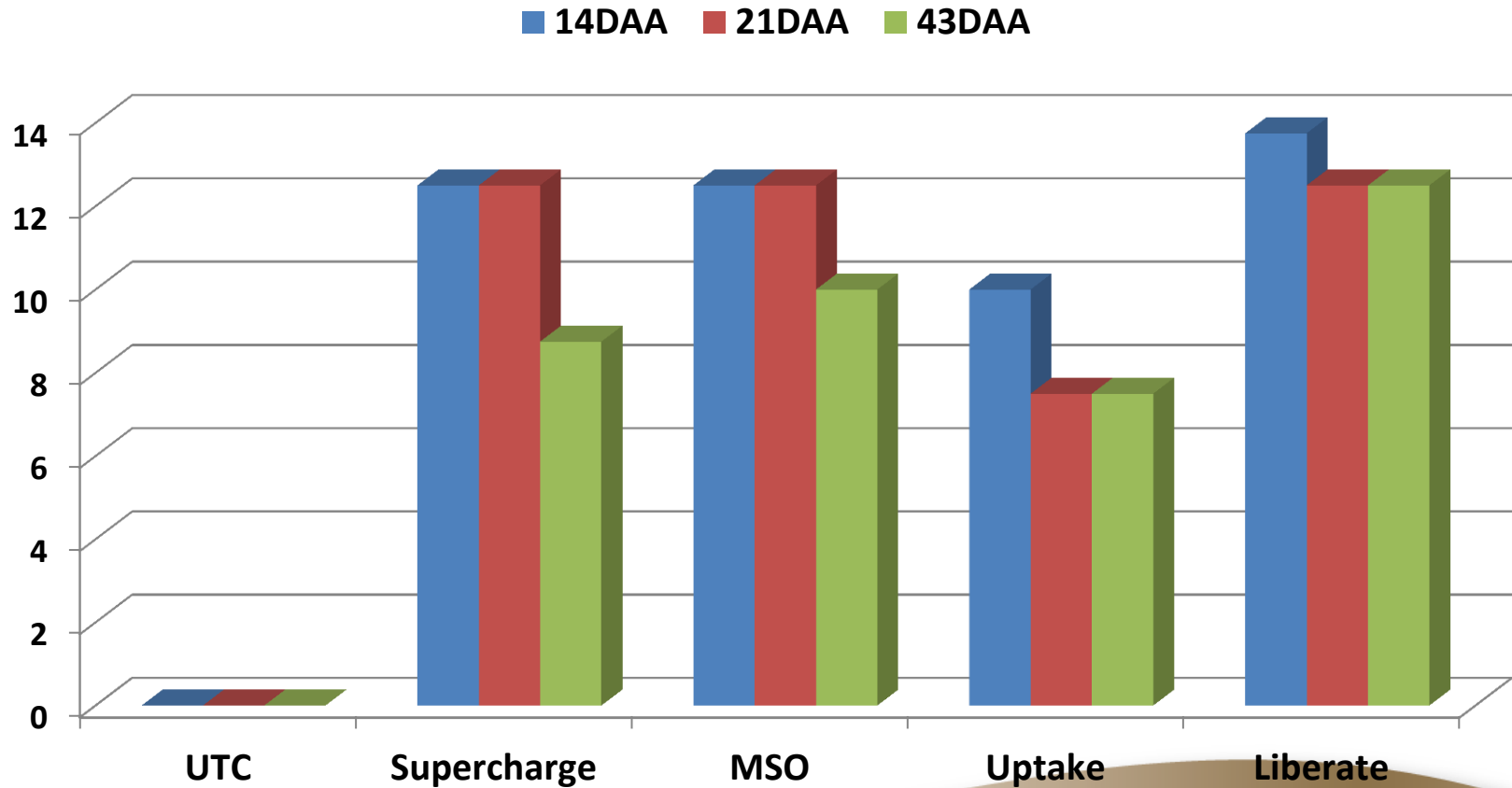
UTC Supercharge MSO Uptake Liberate



Biomass Reduction

Treatment	14 DAA	21 DAA	43 DAA
Untreated	0	0	0
Clethodim + Butroxydim + Supercharge Elite	12.5	12.5	8.75
Clethodim + Butroxydim + MSO Lecitech	12.5	12.5	10
Clethodim + Butroxydim + Uptake	10	7.5	7.5
Clethodim + Butroxydim + Liberate	13.75	12.5	12.5

Crop Biomass % reduction



Conclusions

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