



Loveland

***AGRI PRODUCTS
Get Growing***

2015 WA Trial Data-Wheat

Adjuvants with Axial, Topik, Achieve, WA

Trial Setup

- Fully randomised & replicated plot work – 3 replicates
- Plot size = 18m X 1.6m
- Treatments applied – Adigor, Liberate, MSO Lecitech, Axial, Topik, Achieve
- Application Date – 8th July 2015.

Seeding Date	19th May 2015
Site	York, WA.
Variety	Mace Wheat @ 80 kg/ha
Protocol	Adjuvants with Axial, Topik, Achieve
GSP	Axial + Adigor , Topik + Uptake, Achieve + Supercharge

Trial Protocol

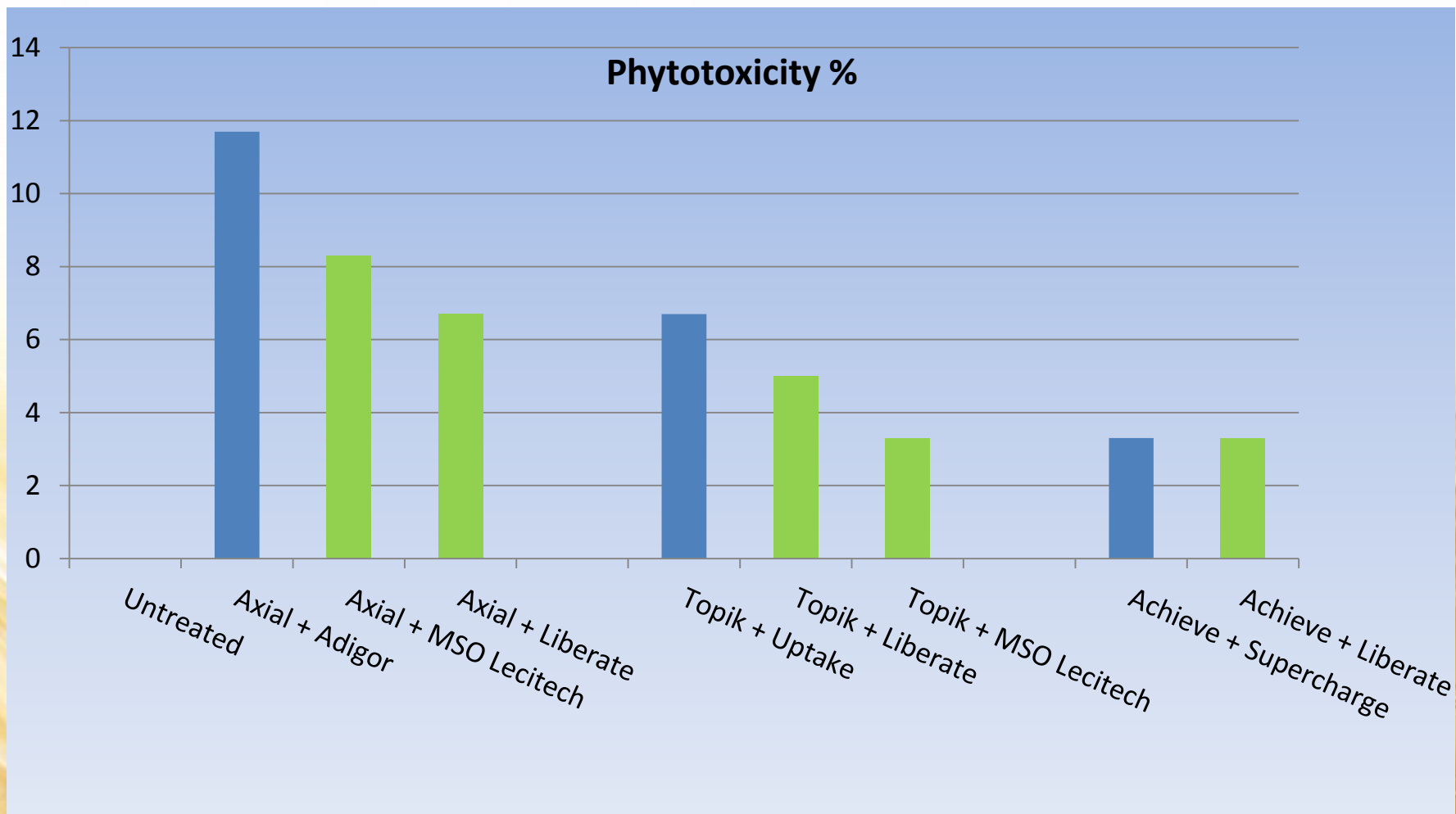
Treatment #	Treatment	Applied Rate
T1	Untreated	-----
T2	Axial + Adigor	150 ml/ha + 0.5% v/v
T3	Axial + Liberate	150 ml/ha + 0.5% v/v
T4	Axial + MSO Lecitech	150 ml/ha + 0.5% v/v
T5	Topik + Uptake	100 ml/ha + 0.5% v/v
T6	Topik + Liberate	100 ml/ha + 0.5% v/v
T7	Topik + MSO Lecitech	100 ml/ha + 0.5% v/v
T8	Achieve + Supercharge	380 gm/ha + 0.75% v/v
T9	Achieve + Liberate	380 gm/ha + 0.75% v/v

Phytotoxicity % - 14 DAA

Treatment #	Treatment	Applied Rate	Phyto %
T1	Untreated	-----	0.0
T2	Axial + Adigor	150 ml/ha + 0.5% v/v	11.7
T3	Axial + Liberate	150 ml/ha + 0.5% v/v	6.7
T4	Axial + MSO Lecitech	150 ml/ha + 0.5% v/v	8.3
T5	Topik + Uptake	100 ml/ha + 0.5% v/v	6.7
T6	Topik + Liberate	100 ml/ha + 0.5% v/v	5.0
T7	Topik + MSO Lecitech	100 ml/ha + 0.5% v/v	3.3
T8	Achieve + Supercharge	380 gm/ha + 0.75% v/v	3.3
T9	Achieve + Liberate	380 gm/ha + 0.75% v/v	3.3

LSD (P=0.05) = 10.33 CV = 111.18

Phytotoxicity % - 14 DAA



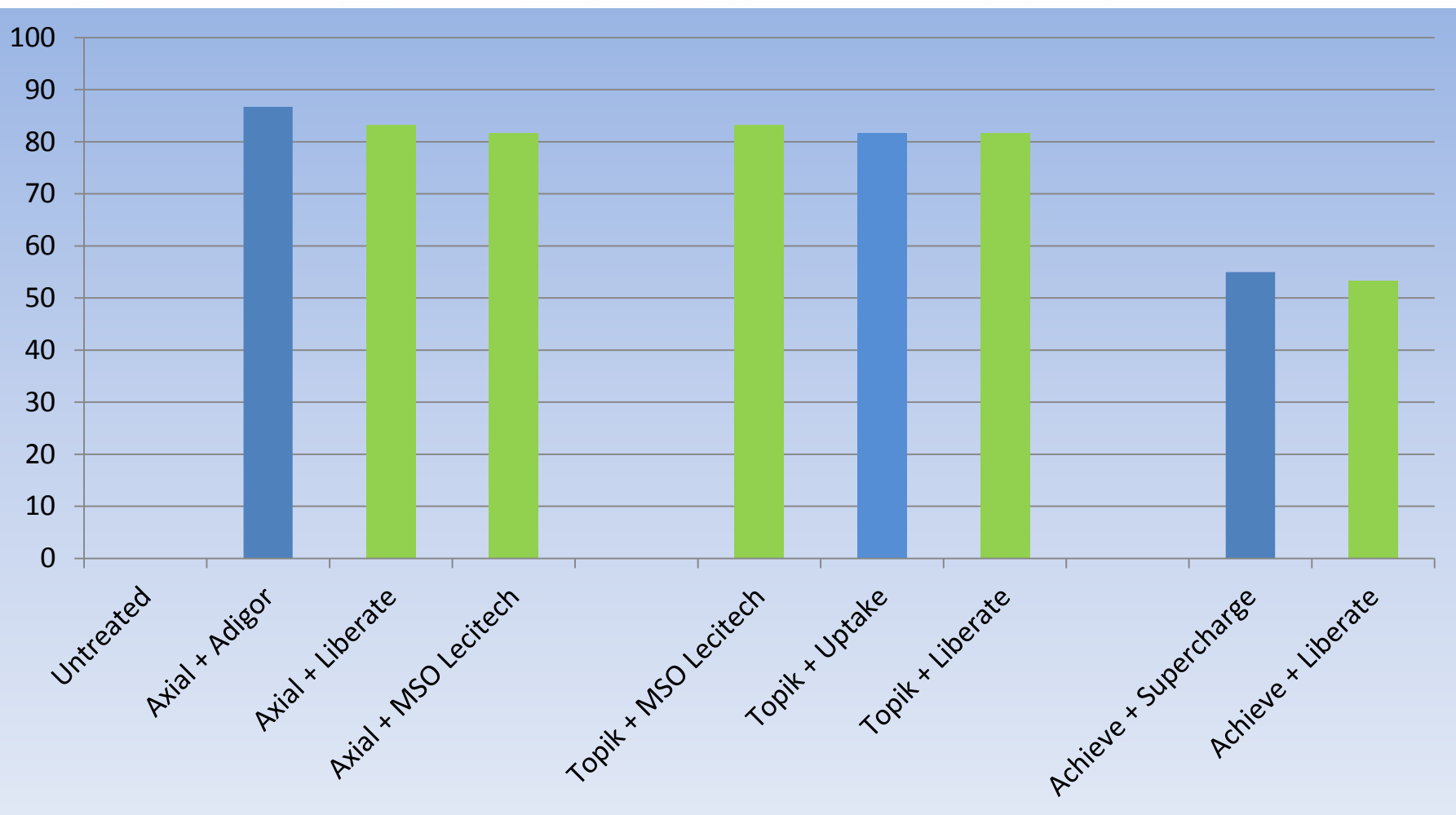
LSD (P=0.05) = 10.33 CV = 111.18

Wild Oat Control %

Treatment	Applied Rate	28 daa Control %	56 daa Control %
Untreated	-----	0.0	0.0
Axial + Adigor	150 ml/ha + 0.5% v/v	86.7	87.3
Axial + Liberate	150 ml/ha + 0.5% v/v	83.3	87.7
Axial + MSO Lecitech	150 ml/ha + 0.5% v/v	81.7	87.3
Topik + Uptake	100 ml/ha + 0.5% v/v	81.7	90.0
Topik + Liberate	100 ml/ha + 0.5% v/v	81.7	90.0
Topik + MSO Lecitech	100 ml/ha + 0.5% v/v	83.3	89.3
Achieve + Supercharge	380 gm/ha + 0.75% v/v	55.0	71.7
Achieve + Liberate	380 gm/ha + 0.75% v/v	53.3	70.0

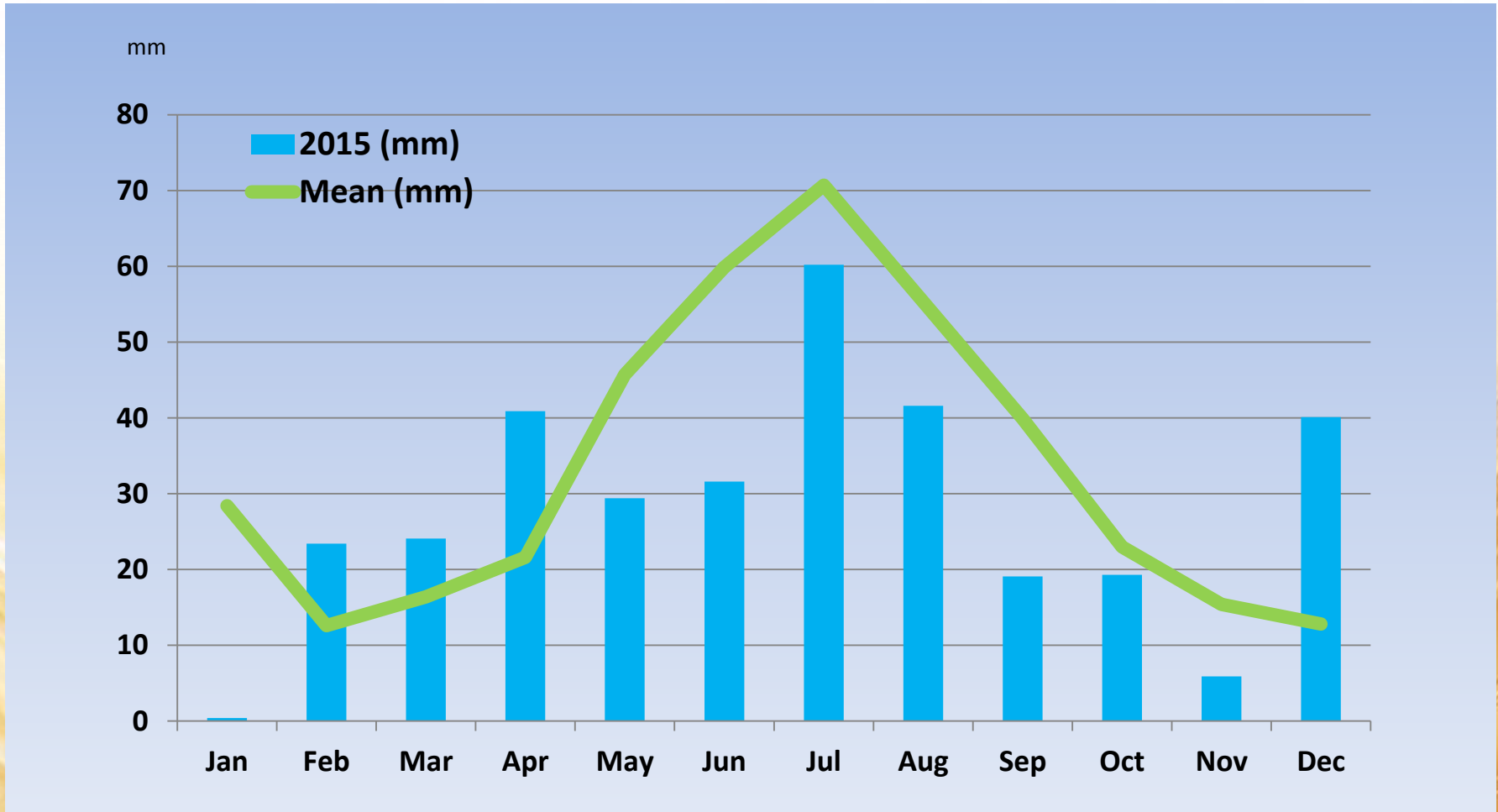
LSD (P=0.05) = 6.01 CV = 5.15

Wild Oat Control % – 28 DAA



LSD (P=0.05) = 6.01 CV = 5.15

York Rainfall



Conclusions

- Trial conducted at York in WA to compare Loveland products adjuvants MSO Lecitech and Liberate with Industry standards, Adigor, Uptake and Supercharge When tank mixed with either Axial, Topic or Achieve.
- When tank mixed with Axial - Liberate and MSO Lecitech recorded a lower % of phytotoxicity and equal to and a slightly improved weed efficacy when compared to Axial + Adigor.
- When tank mixed with Topik - Liberate and MSO Lecitech recorded a lower % of phytotoxicity and equal weed efficacy when compared to Topik + Uptake.
- When tank mixed with Achieve - Liberate and recorded a similar % of phytotoxicity and equal weed efficacy when compared to Achieve + Uptake.
- Liberate and MSO performance will be suitable alternatives to the industry standards (adjuvants) of Axial, Topik and Achieve.