



# **Loveland**

**AGRI PRODUCTS**  
**Get Growing**

**2015 SFS / Vic Trial Data**  
Basis in Canola, Westmere, Vic.

# Trial Protocol

- Fully randomised & replicated plot work – 4 replicates
- Plot size = 12m X 1.6m with 200mm row spacing.
- Treatments applied – Basis, MOP
- Application Date – 6<sup>th</sup> May 2015 @ seeding banded with seed.
- Early Flower – 2<sup>nd</sup> Sept.
- 50% Flower – 23<sup>rd</sup> Sept.

Seeding Date	6 <sup>th</sup> May 2015
Site	Southern Farming Systems Trial Site, Westmere, VIC.
Variety	Hyola 650 TT @ 3.0 kg/ha = 70 pl/m <sup>2</sup> . (Maxim XL + Cruiser Opti)
Protocol	MAP @ 100 kg/ha Basis applied to MAP fertiliser @ 4.0 L/t. Gran am @ 100 kg/ha @ 2 leaf & Urea @ 100 kg/ha @ 8 leaf Urea @ 150 kg/ha @ early flower.
GSP	MAP @ 100kgs/ha

# Paddock Soil Tests

Treatment #	0 - 10cm	10cm - 20cm
pH (CaCl <sub>2</sub> )		
EC		
Organic C		
P (Colwell)		
PBI + P(Colwell)		
K (Colwell)		

# Treatments

Treatment #	Product	Applied Rate
T1	GSP	-----
T2	MAP	100 kg/ha
T3	MAP + Basis	100 kg + 4.0 L/t
T4	MAP + MOP	100 kg + 50 kg/ha
T5	MAP + MOP + Basis	100 kg + 50kg/ha + 4.0L/t

MAP : 10/22/0/1.6

Basis : Biochemical fertiliser catalyst

MOP : 0/0/52/0

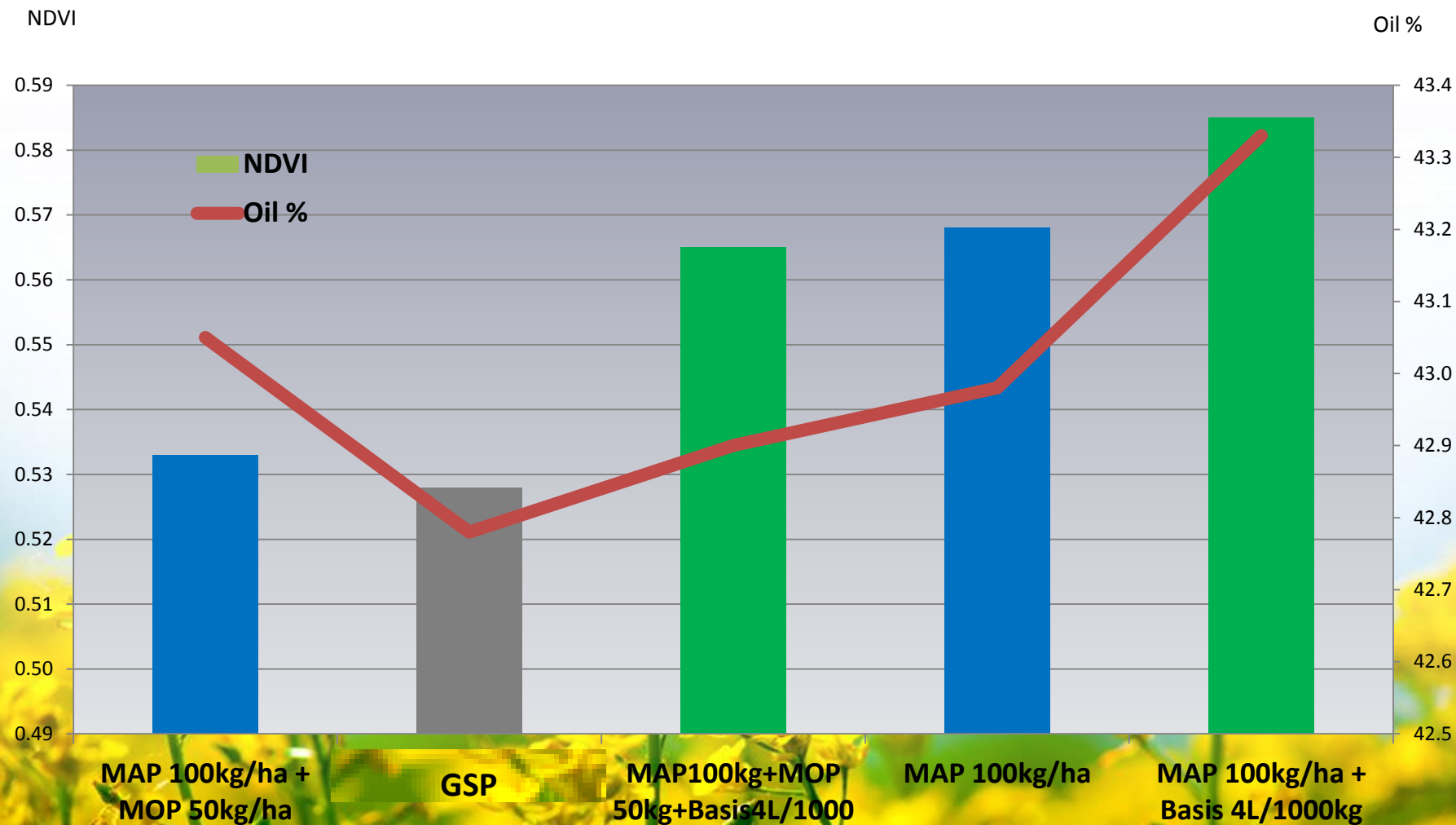


# Canola - NDVI vs Yield vs Oil

Product	Applied Rate	Yield t/ha	Oil %	NDVI
GSP	-----	2.36	42.8	0.528
MAP	100 kg/ha	2.52	43.0	0.568
MAP + Basis	100 kg + 4.0 L/t	2.52	43.3	0.585
MAP + MOP	100 kg + 50 kg/ha	2.32	43.1	0.533
MAP + MOP + Basis	100kg + 50kg/ha + 4 L/t	2.36	42.9	0.565

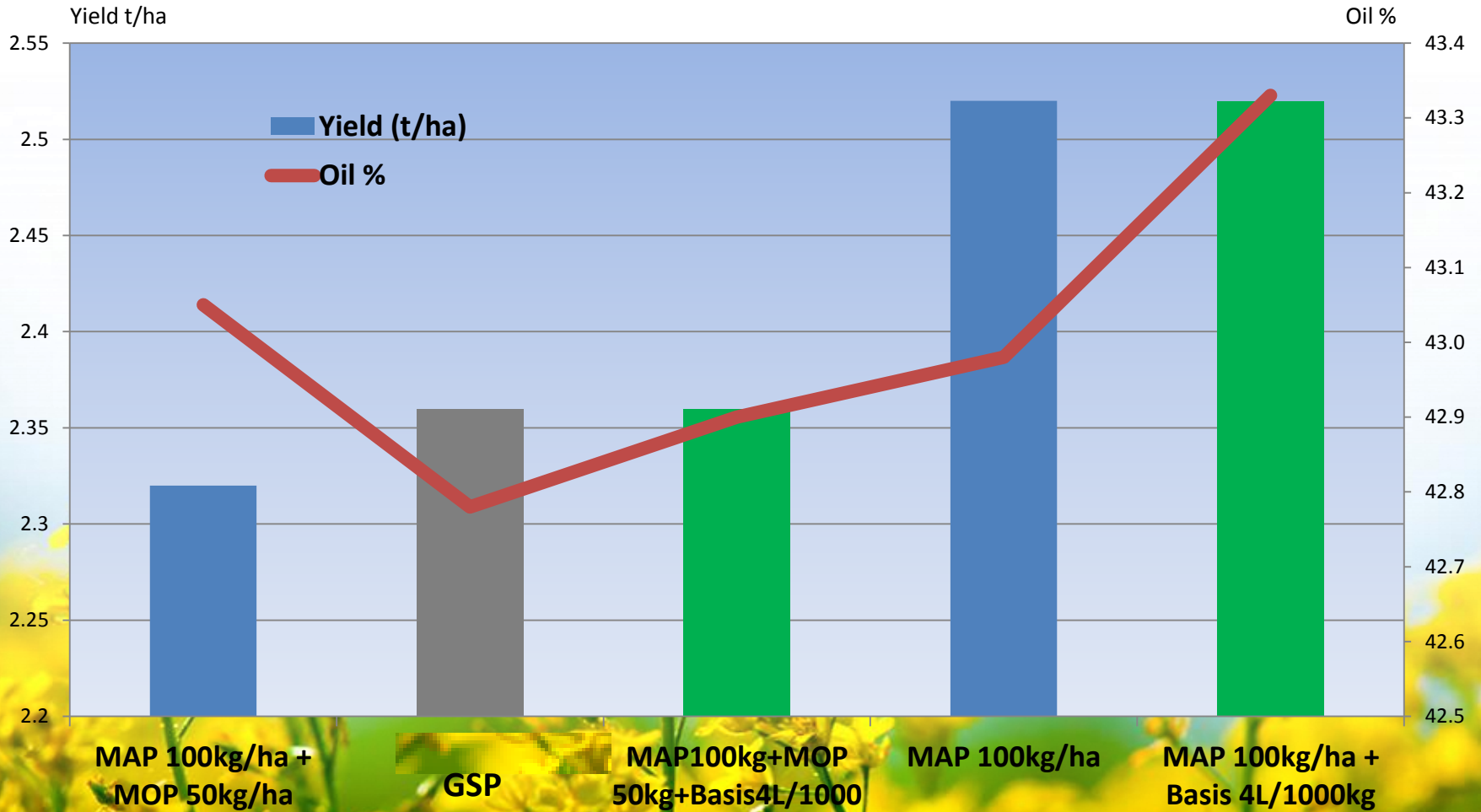
LSD (P=.05) = 0.321 CV = 7.05

# Canola - NDVI vs Oil



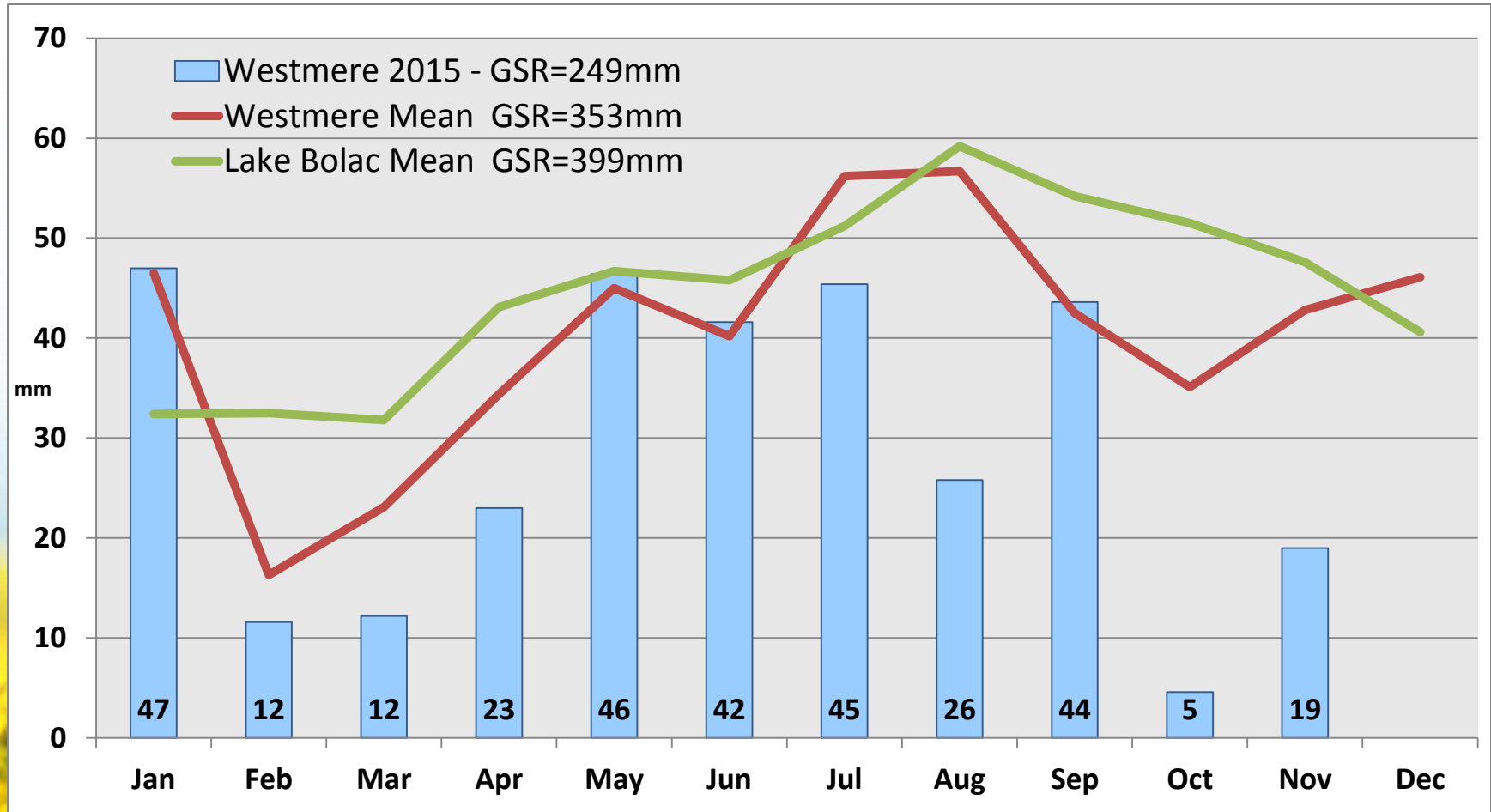
LSD (P=.05) = 0.650 CV = 0.98

# Canola Yield & Oil



LSD (P=.05) = 0.321 CV = 7.05

# Westmere Rainfall





# Conclusion

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- Plot 105 data was unreliable – lost seed ? Excluded from Stats.
  - MAP + MOP + Basis.
- Untreated had the highest establishment of plants/m<sup>2</sup>.
- Dry spring lowered yield expectation.
- Visually, Basis appeared to have more biomass.
- NDVI taken on 14<sup>th</sup> July.
  - Approx 220 – 310 GDD. Similar to Dr Ray Cowell research showing high correlation.
  - Confirmed biomass increase for 2 Basis treatments.
- Basis had the highest Oil %.
- ROI was estimated above 2.0 : 1 ( \$2 income from \$1 spend )
- MOP provided visual increase in biomass.
- The data provides encouragement with further questions for further research on a broader scale.