



***Loveland***

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

**Late response in Canola  
Kojunup, Western Australia**

**LOV16**

# Trial Design

- LOCATION: Southern WA
- Landmark Contact/ Co-operator: Darren Chitty
- Site - Kojonup

<b>Seeding Date</b>	<b>23<sup>rd</sup> April 2016</b>
<b>Site</b>	Kojonup WA
<b>Variety</b>	GT50 RR @ 2kg/ha
<b>Protocol</b>	Treatments Applied 30 % Flowering (23/8/16) Handboom, 80 L/ha water, ALBUZ ADI 015, 2 bar, Medium droplets. Nutrition: 72 N, 10 P, 20 K, 33 S + Zn, Cu Nitrogen Treatments were applied in addition to the growers earlier applications using Bulk N and Maximum N Pact (MNP). Fungicides were also applied as a proactive measure for Sclerotinia.
<b>GSP</b>	100 kg/ha SOA topdressed April, 90 kg/ha MacroPro + 50L/ha UAN banded at Seeding and 50L/ha UAN at 4-6 Leaf.

# Late MNP Canola – GT 50 RR Sprayed at 30% flower

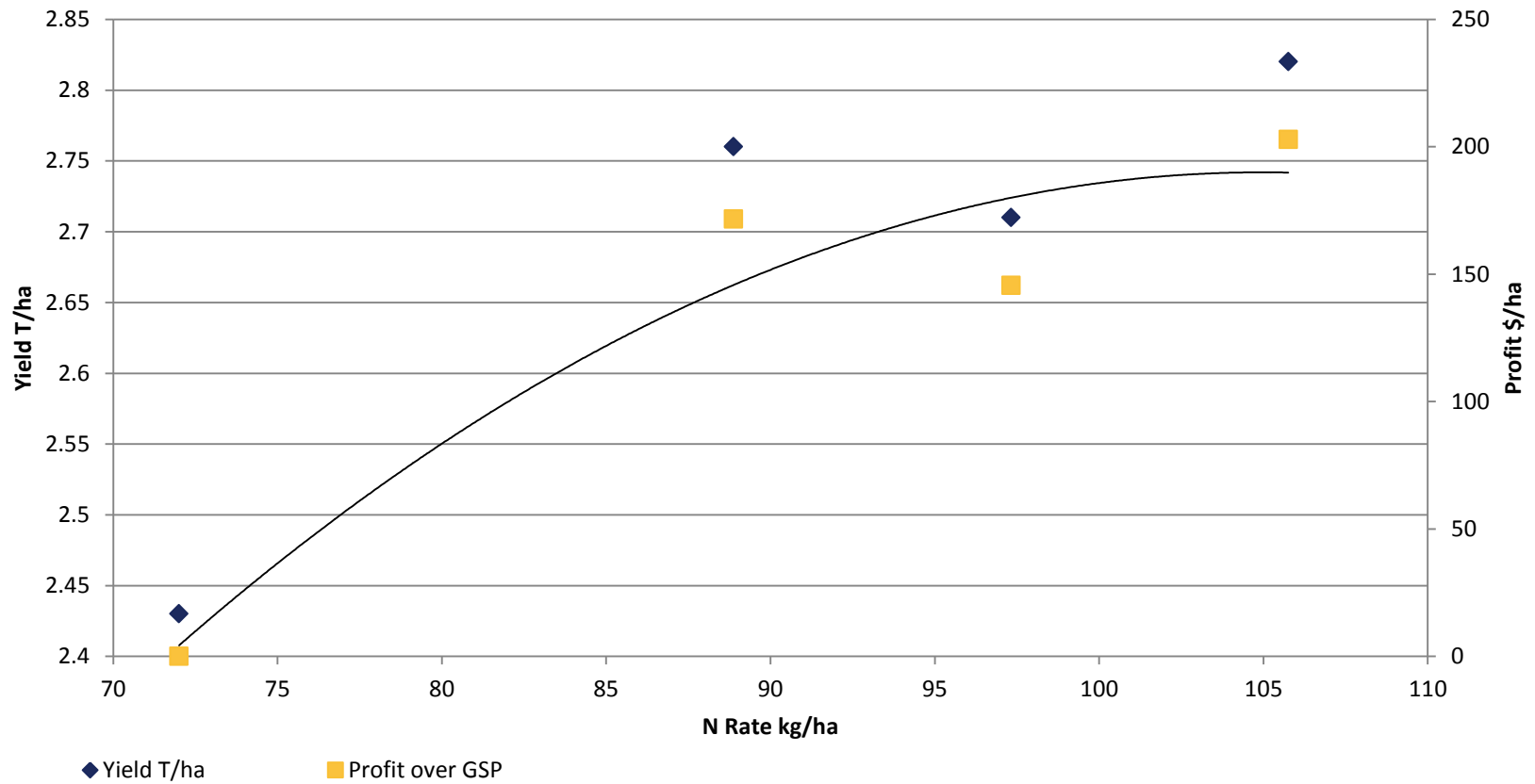


Trt	Treatment		Rate	Yield T/ha				
No.	Name	Rate	Unit	N Rate kg/ha	Yield t/ha		Income	Profit over GSP
1	<b>GSP</b>	0		72	2.43	c	1264	0
2	<b>Bulk N 40</b>	40	l/ha	89	2.76	a	1435	172
3	<b>Bulk N 60</b>	60	l/ha	97	2.71	a	1409	146
4	<b>Bulk N 80</b>	80	l/ha	106	2.82	a	1466	203
5	<b>Bulk N 40 + Prosaro 450</b>	40	l/ha	89	2.76	a	1435	172
6	<b>Bulk N 40 + Prosaro 250 + Teb 300</b>	40	l/ha	89	2.8	a	1456	192
7	<b>Bulk N + Teb 440</b>	40	l/ha	89	2.75	a	1430	166
8	<b>MNP 10</b>	10	l/ha	75	2.69	ab	1399	135
9	<b>MNP 10 + Prosaro 450</b>	10	l/ha	75	2.65	ab	1378	114
10	<b>MNP 10 + Nutrisync D 365</b>	10	l/ha	75	2.51	bc	1305	42
11	<b>MNP 10 + LoKomotive 5</b>	10	l/ha	75	2.69	ab	1399	135
	<b>LSD P=.10</b>				0.201			
	<b>CV</b>				5.3			
	Treatment Prob(F)				0.0727			

# Late MNP canola



## N Response Boscabel 2016



R<sup>2</sup> = 0.9158

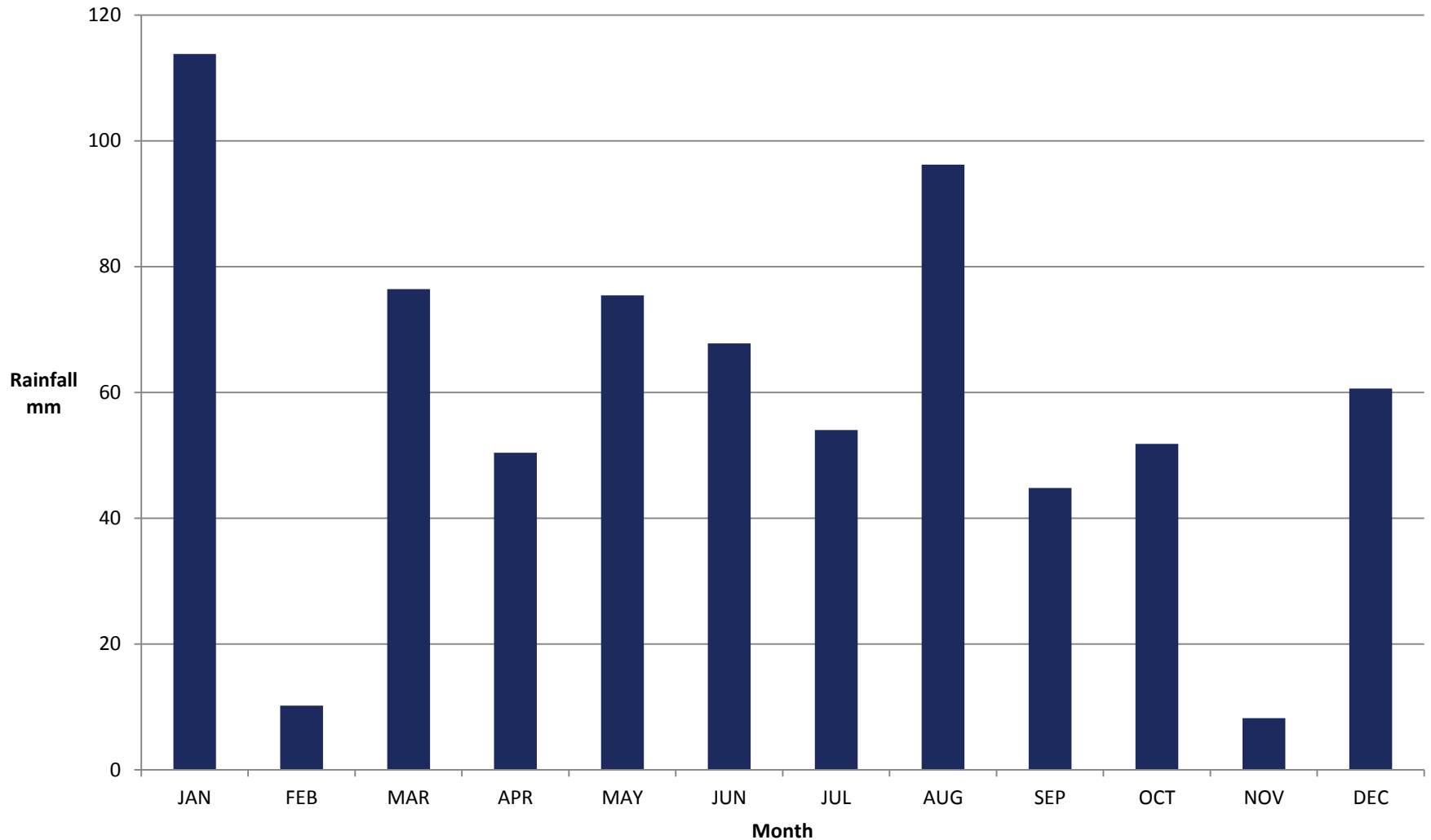
# N + MNP Canola

Sown 23/4 – 43Y23 RR (frost affected 2T +)



Trt					
No.	Treatment	N Rate	Timing	Yield t/ha	
1	Untreated	50		1.19	cde
2	UAN 48 lt	70	6-8 Lf	1.17	de
3	UAN 96 lt	90	6-8 Lf	1.38	ab
4	UAN 48 lt + 48 Lt	90	6-8 Lf + 50%	1.35	ab
5	UAN 48 lt	70	50%	1.27	bcd
6	UAN 96 lt	90	50%	1.4	ab
7	UAN 144 lt	110	50%	1.47	a
8	MNP 10 Lt	53	50%	1.11	e
9	N Rich Buffer 200 lt	134	6-8 Lf	1.42	a
10	N RICH Buffer 200 lt	134	6-8 Lf	1.33	abc
	LSD P=.05			0.146	
	CV			6.51	
	Treatment Prob(F)			0.0007	

# Kojonup WA Rainfall 2016 total – 709.6 mm



# Conclusion

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- The application of Bulk N at 30 % flowering gave a yield increase at all rates, results not significant.
- All treatments except Nutrisync D were statistically better than the GSP at  $P=0.10$  no statistical difference between the rates or products.
- The highest yielding treatment was the highest Nitrogen rate of Bulk N 80 L/ha which gave a 390 kg/ha increase in yield.
- There was a noticeable increase in flower density and the pods stayed greener for longer from the higher rates of Nitrogen. Maximum N Pact at 10 L/ha did increase yield
- There was no benefit from applying a fungicide in this trial. There was no sign of Sclerotinia at the time of application through to harvest and therefore fungicide response was not expected.