



Loveland
AGRI PRODUCTS™

Trial Data

Late Response - Canola

Kojunup, WA

Trial Setup

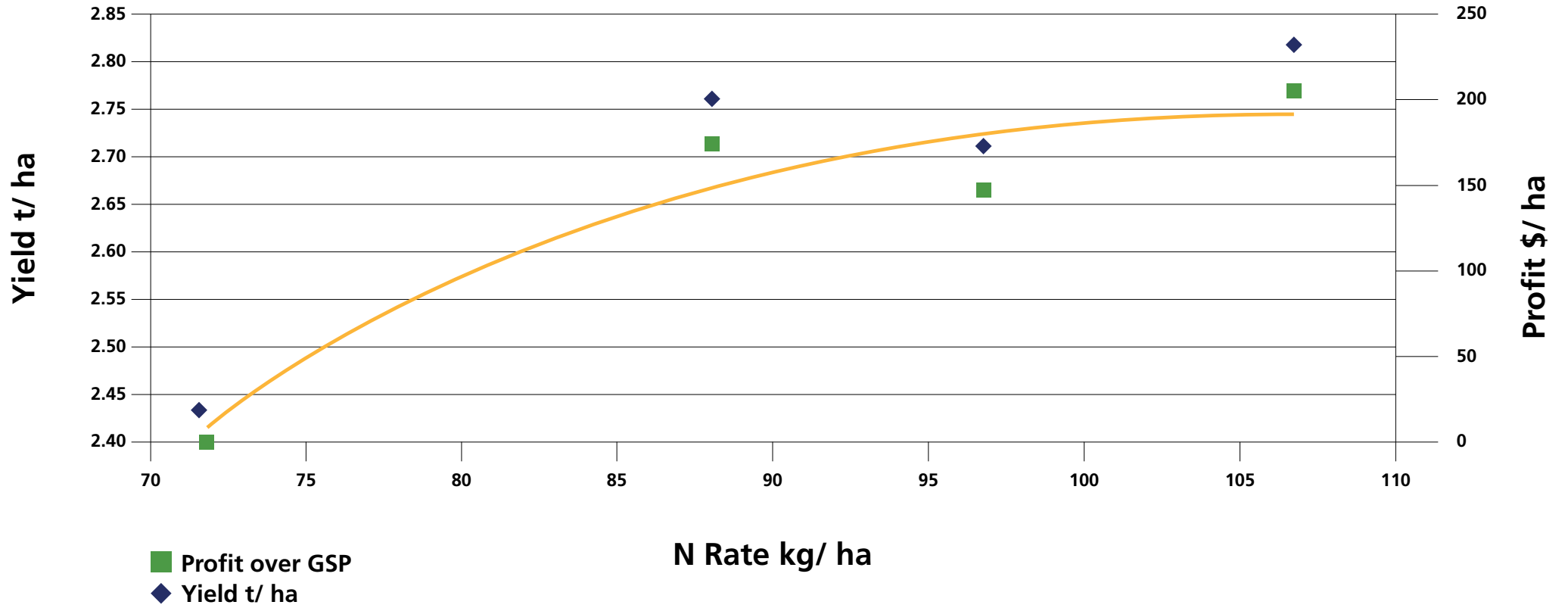
Planting date:	<i>23/04/2016</i>
Application date:	<i>23/08/2016</i>
Application timing:	<i>30% flowering</i>
Site:	<i>Kojunup, WA</i>
Variety:	<i>GT50 RR @ 2kg/ ha</i>
GSP:	<i>100kg/ ha SOA topdressed April</i> <i>90kg/ ha MacroPro + 50L/ ha UAN banded at seeding and 50L/ ha UAN at 4-6 Leaf</i>
Protocol:	<i>Handboom - 80L/ ha water, ALBUZ ADI 015, 2 bar, medium droplets</i> <i>Nutrition: 72 N, 10 P, 20 K, 33 S + Zn, Cu</i> <i>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</i>

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Trt.	Treatment		Yield t/ ha				
No.	Name	Rate L/ ha	N Rate kg/ ha	Yield t/ ha		Income	Profit over GSP
1	GSP	0	72	2.43	c	1264	0
2	Bulk N 40	40	89	2.76	a	1435	172
3	Bulk N 60	60	97	2.71	a	1409	146
4	Bulk N 80	80	106	2.82	a	1466	203
5	Bulk N 40 + Prosaro 450	40	89	2.76	a	1435	172
6	Bulk N 40 + Prosaro 250 + Teb 300	40	89	2.80	a	1456	192
7	Bulk N + Teb 400	40	89	2.75	a	1430	166
8	MNP 10	10	75	2.69	ab	1399	135
9	MNP 10 + Prosaro 450	10	75	2.65	ab	1378	114
10	MNP 10 + Nutrisync D 365	10	75	2.51	bc	1305	42
11	MNP 10 + Lokomotive 5	10	75	2.69	ab	1399	135
	LSD P=.10			0.201			
	CV			5.3			
	Treatment Prob(F)			0.0727			

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N Response 2016



$R^2 = 0.9158$

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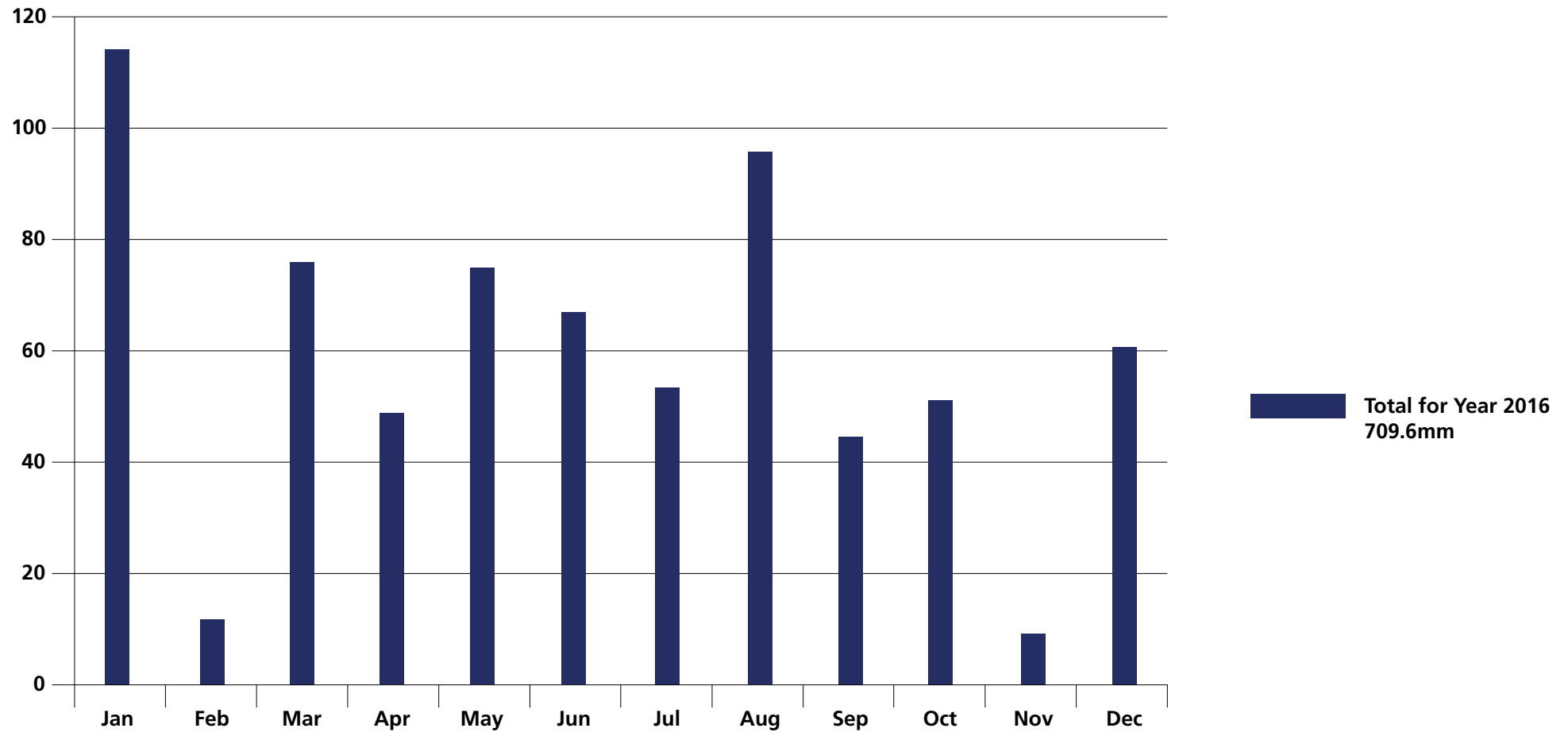
N + Maximum N-Pact on Canola

Sown 23/04 - 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 leaf	1.17	de
3	UAN 96 Lt	90	6-8 leaf	1.38	ab
4	UAN 48 Lt + 48 Lt	90	6-8 leaf + 50%	1.35	ab
5	UAN 48 Lt	70	50%	1.27	bcd
6	UAN 96 Lt	90	50%	1.40	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 leaf	1.42	a
10	N Rich Buffer 200 Lt	134	6-8 leaf	1.33	abc
	LSD P=.05			0.146	
	CV			6.51	
	Treatment Prob(F)			0.0007	

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Kojunup Rainfall - 2016 (mm)



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Conclusions

- 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 80L/ ha which gave a 390kg/ 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 10L/ 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