

## Alternative Nutrition on Canola

**Summary:** There were no significant differences in canola yields from the biological seed dressings, organic and inorganic fertilisers applied.

**Aim:** To investigate the effect of a number of biological seed dressings, organic and inorganic fertilisers on canola yield

### Description of Product:

Product	type	application
Pivot Mallee Mix 1	NPKS 8-19-0-3 + Zn 2.0%	100 kg/ha at sowing
Pivot MAP	NPKS 10-22-0-1.5	70 kg/ha at sowing
Trisert NB	controlled release nitrogen fertiliser (32% N) (w/v)	20L/ha foliar
Trisert NZN	nitrogen/zinc fertiliser (20%N) + Zinc (7%) (w/v)	20L/ha foliar
Natrakelp	liquid seaweed fertiliser	5L/ha foliar
Teprosyn Zinc	zinc coat (600g/L zinc)	40L/tonne seed
SC27	live microbial solution	4.5L per tonne of seed
Vitec	fish and kelp fertiliser	7L fish & 3L kelp extract
Vermacast	worm castings	up to 500kg/ha
Prosperthrive	live bacterial and fungal cultures	12kg per tonne of seed
RUM#	bacterial worm extract; NPKS 15-1-1-1 + micronutrients	4.5L/ha soil applied

# Revelation Universal Masterpiece

**Methods:** replicated (three) block design. Monty canola sown on June 3, 1997. Foliar applications applied at the 5 leaf stage.

### Results:

	Application method	Cost \$/ha	Yield t/ha
MM 1 @ 100kg/ha	at sowing	44	0.99
Trisert NB + MM1 @ 100	foliar (5 leaf)	40 + 44	1.02
Trisert NZN + MM1 @ 100	foliar (5 leaf)	50 + 44	1.00
Natrakelp + MM1 @ 100	foliar (5 leaf)	30 + 44	0.94
Vitec + MM1 @ 100	foliar (5 leaf)	28 + 44	1.10
SC27 + MM1 @ 100	seed dressing	0.50 + 44	1.02
SC27 + MM1 @ 50	seed dressing	0.50 + 22	1.00
Prosper Thrive + MM1 @ 100	seed dressing	na	1.03
Teprosyn Zn + MAP 70	seed dressing	3 + 32	0.91
Vermacast 330kg + MM1 @ 33	soil applied	50 + 15	0.87
Vermacast 500kg (no fertiliser)	soil applied	75	0.84
Vermacast 500kg + MM1 @ 100	soil applied	75 + 44	1.05
RUM + MM1 @ 100	soil applied	20 + 44	1.02
<b>Significant Difference</b>			<b>NS</b>

**Interpretation:** There were no significant differences in canola yields between the treatments. It is possible that because of the low rainfall the potential of the different treatments could not be realised.

**Commercial Practice:** More works needs to be undertaken with these different products to determine their true value.

**Contacts:**

<b>Product</b>	<b>Company contact</b>	<b>Phone</b>
Mallee Mix 1 and MAP	your local Pivot dealer	
Trisert products	Multifert Agencies, Bruce Hudgson	03 9742 5888
Natrakelp	Organic Crop Supplies, Daryn Jones	03 5334 0381
Vermacast	Wormcast Organics. Craig Guy	03 5433 3014
Vitec	Growise, Hugo Disler	1 800 622345
Teprosyn	Phosyn, Leigh Wilson	03 5385 7650
SC27	Creative Land Management, Stuart King	03 5039 6234
Prosperthrive	Spraygro, Mike Bradley	08 8447 7266
RUM	Dawsons-Burns, Stephen Burns	03 5349 5541