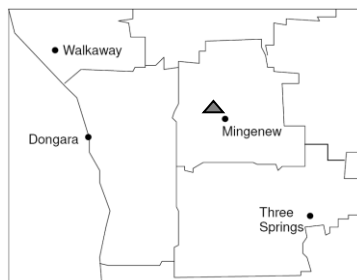


Canola Variety Trial

18MIG12

Jane Bradley, Jasmin Koric and Debbie Gillam

Mingenew-Irwin Group



Why do the trial?

To compare:

- new and current triazine tolerant (TT) canola varieties
- new and current roundup ready (RR) canola varieties

Crop Management

Fertiliser:
pre: 100 kg/ha Agstar Extra, 50 kg/ha NS41
post: 100 kg/ha NS41 (4-5 Leaf), 100 kg/ha NS41 (bolting)

Herbicide:

Triazine Tolerant Canola:

pre: 1.4 L/ha Glyphosate, 1.1 kg/ha Atrazine, 2.0 L/ha Trifluralin, 1% spray oil + 300 ml/ha Chlorpyrifos, 100 ml/ha Alpha Cypermethrin
post: 1.1 kg/ha Atrazine, 100 ml/ha Chlorpyrifos, 100 ml/ha Apha-Cypermethrin, 0.5% Uptake
post: 500 ml/ha Clethodim, 0.5% Uptake.
post: 500 ml/ha Chlorpyrifos, 250 ml/ha Alpha-Cypermethrin

Roundup Ready Canola:

pre: 2.0 L/ha Sprayseed, 2.0 L/ha Trifluralin, 300 ml/ha Chlorpyrifos, 100 ml/ha Alpha Cypermethrin
post: 900 g/ha Roundup Ready Roundup, 100 ml/ha Chlorpyrifos, 100 ml/ha, 0.8% SOA (cotleydon-1 leaf)
post: 900 g/ha Roundup Ready Roundup, 100 ml/ha Chlorpyrifos, 100 ml/ha Alpha-Cypermethrin, 0.8% SOA (6 leaf)
post: 500 ml/ha Chlorpyrifos, 250 ml/ha Alpha-Cypermethrin

Key Messages:

- Crusher yielded significantly higher than all other TT varieties except Mallee
- Hyola 404 yielded significantly higher than all other RR varieties except HC1050 RRH
- Hyola 404 and 43Y23 were the highest yielding varieties in MIG demonstrations in 2012

Location: Peter & Belinda
Horwood, Pine Springs

Soil Type: Sandplain

Paddock History:

2011: Wheat
2010: Lupin
2009: Wheat
2008: Lupin

Plot Size:

2.2m x 20m

Seeding date:

4 May 2012

Seeding rate:

TT varieties 5kg/ha
RR varieties 4kg/ha

Paddock Average:

Mandelup 1.0 t/ha

Seeding Machinery:

DAFWA RSU Cone Seeder

Table 1. Triazine Tolerant Canola

Variety	Yield t/ha	Oil %	Oil Bonus %	Plants /m²	Returns \$/ha
Crusher	1.42	36.9	-7.65	40	780.26
Mallee TT	1.35	39.3	-4.05	47	770.72
Hyola 555 TT	1.31	38.7	-4.95	47	740.87
Snapper TT	1.20	42.2	0.30	33	716.14
CBWA-106 TT	1.20	42.1	0.15	41	715.71
Cobbler TT	1.11	40.5	-2.25	25	645.59
Jackpot TT	1.05	40.7	-1.95	44	612.57
Bonanza TT	0.97	40.4	-2.4	39	563.29
Stingray TT	0.94	41	-1.5	45	550.91
LSD 5%	0.1				
CV %	6.1				

Table 2. Roundup Ready Canola

Variety	Yield t/ha	Oil %	Oil Bonus %	Plants /m²	Returns \$/ha
Hyola 404 RR	1.98	44.2	3.3	36	1167.89
HC1050 RRH	1.84	42.3	0.45	32	1055.37
43Y23	1.76	38.8	-4.8	27	956.72
Eclipse RRH	1.74	39.8	-3.3	22	960.75
GT Cobra RR OP	1.52	39.6	-3.6	29	836.67
CB Frontier RRH	1.47	38.8	-4.8	33	799.08
CHYB1926RR	1.41	41.7	-0.45	37	801.48
GT Cougar RR	1.40	39.9	-3.15	26	774.22
GT Viper RR OP	1.08	42.4	0.60	29	620.38
LSD 5%	0.19				
CV %	8.6				

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