

# CANOLA VARIETY DEMONSTRATION PITHARA

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## AIM

To evaluate new and existing canola varieties, sown using farmer equipment.

## BACKGROUND

As part of the state wide Oilseeds WA program, 14 triazine tolerant canola varieties were trialed using farmer machinery. Oilseeds WA trials complement NVT trials and provide information relevant to local environment for growers to base their decisions regarding varieties.

## TRIAL DETAILS

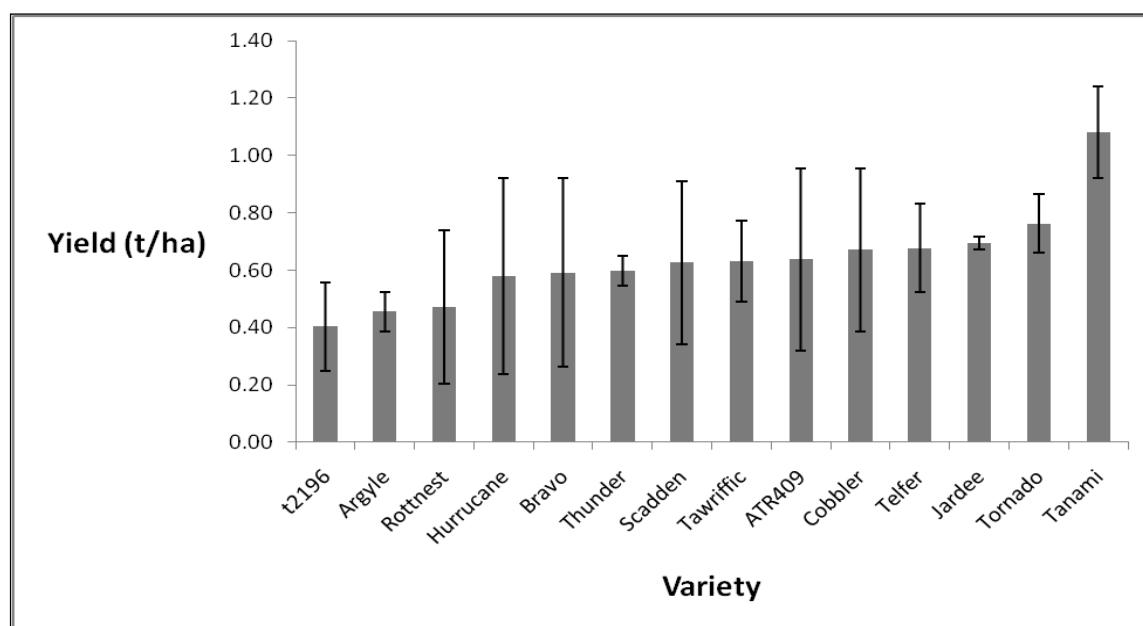
Property	McIlroy family, Pithara
Plot size & replication	70m x 12m x 2 replicates
Soil type	Sandy Loam
Sowing date	19/05/09
Seeding rate	5 kg/ha
Fertiliser (kg/ha)	100 kg/ha Agras, 60 kg/ha Urea
Paddock rotation	2008: Volunteer Pasture, 2007: Oats
Herbicides	2.2 kg/ha Atrazine 300ml/ha select
Growing Season Rainfall	201mm

## RESULTS

**Table 1:** Yield, protein and oil of canola sown at Pithara.

Variety	Yield (t/ha)	Protein (%)	Oil (%)
T2196	0.4a	24.1ab	41.8a
Argyle	0.5a	26.3a	38.2b
Rottnest	0.5a	22b	42.3a
Hurricane	0.6a	23.1b	41.6a
Bravo	0.6a	25.5a	41.8a
Thunder	0.6a	24.2ab	42.3a
Scadden	0.6a	23.7b	39.8b
Tawriffic	0.6a	23.3b	41.4a
ATR409	0.6a	23.8b	40.2ab
Cobbler	0.7ab	24.1ab	42.3a
Telfer	0.7ab	24.6a	42.4a
Jardee	0.7ab	25.1a	41.4a
Tornado	0.8ab	25.9a	37.9b
Tanami	1.1b	25.3a	40.6ab
LSD	0.4	2.3	2.5

Results with different letter denotes a significant difference from each other  $p=0.05$ .



**Figure 1:** Yield (t/ha) of canola varieties grown at Pithara. Values are means of two replicates

#### COMMENTS

- Tanami was the highest yielding variety in this trial although not significantly higher than all other varieties.
- Some varieties had poor establishment in the 2<sup>nd</sup> replicate which resulted in high variability between replicates.
- Please interpret results of farmer demonstrations carefully and utilise numerous sources of data to make final decisions regarding varieties.

#### ACKNOWLEDGEMENTS

- Thank you to Brad and Darrell McIlroy for hosting the demonstration and carrying out seeding, harvesting and maintenance of the trial.

#### REFERENCES

- DAFWA, FarmNote: 346 'canola variety guide Western Australia', 2009.

**PAPER REVIEWED BY:** Chris O'Callaghan, Liebe Group.

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