

CBWA Canola Varieties (TT)

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Aim

To compare hybrid performance to the standard Open-Pollinated Triazine-Tolerant varieties.

Background

Traditional Open-Pollinated (OP) varieties have traditionally performed well in the Dalwallinu area, but with the growing trend in Southern areas toward hybrid varieties for their early vigour and yield boost, we established a trial to evaluate the technology.

Trial Details

Property	G & H Pearse, West Wubin
Plot size & replication	20m x 6 replicates
Soil type	Sandy Loam
Soil pH	5.7
Sowing date	19/5/2010
Seeding rate	3 kg/ha
Fertiliser	Mallee at 100 kg/ha, NS31 at 100 kg/ha
Paddock rotation	08 Canola, 09 Wheat
Herbicides	1 L/ha Glyphosate, 1.1 kg/ha Atrazine, 1.7 L/ha Trifluralin, 500 ml/ha Clethodim
Growing Season Rainfall	165mm

Results

The hybrids did not match the standard OP's for yield in this trial (Table 1). Throughout the season the hybrids looked impressive and showed some promise, but with the lack of a late rainfall, they failed to finish strongly and therefore the yields suffered.

Table 1: Yield & Economic Analysis of Canola grown at West Wubin.

Variety	Yield (t/ha)	Gross Return (\$/ha)	Variable Costs (\$/ha)	Gross Margin (\$/ha)
Tanami	0.73	447.49	170.00	277.49
Telfer	0.45	275.85	170.00	105.85
Tumby (Hybrid)	0.33	202.29	184.00	18.29
Mallee (Hybrid)	0.30	183.90	184.00	-0.10

Based on Cash Price for 24/12/10 CA-NGMCANOLA NON GM Base Price \$613/tonne

Comments

The economic analysis says it all. The hybrids failed to produce in this trial. It is fair to say that the weather conditions played a large part in the outcome. If we had a late rain it may have been a completely different story. Yet, even in a year like this, they did exhibit exceptional vigour and plant height over the OP's and this was without any extra inputs (i.e. more N). Hybrid TTs warrant further investigation in this environment as this is only one year's data.

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