

# Canola Variety Demonstration – Wongan Hills

Clare Johnston, Executive Officer, Liebe Group



## Aim

To compare yield and quality of new and existing canola varieties in a paddock scale demonstration trial.

## Background

This demonstration was conducted using farmer equipment. Farm scale demonstrations are a valuable way to explore new varieties, products or practices, complimenting results which are produced through more scientifically rigorous, small plot trials. There are numerous canola varieties available to growers with differing characteristics such as yield potential, maturity level, disease resistance and oil content. The varieties tested include those that are widely grown in the area as well as recently released varieties.

## Varieties

- **ATR Stingray:** Early maturing, high oil content, MR-MS blackleg rating.
- **ATR Gem:** Early
- **CB Telfer:** Early season, low rainfall, high oil content, MS-S blackleg rating.
- **Hyola 559 TT:** Mid season maturity, high oil content, R-MR blackleg rating.
- **CB Sturt TT:** Early –mid season

## Trial Details

Property	Fenwick Farm, Wongan Hills		
Plot size & replication	100m x 18.2 x 1 replication		
Soil type	red loam clay		
Soil pH (CaCl <sub>2</sub> )	0-10cm: 4.7	10-20cm: 6.1	20-30cm: 6.6
EC (dS/m)	0.099		
Sowing date	15/05/13		
Seeding rate	4 kg/ha		
Soil amelioration	15/02/13: 2.5 t/ha Gypsum		
	20/02/13: 1.5 t/ha Lime		
Fertiliser	15/05/13 60 kg/ha Agstar, 40 L/ha Flexi-N		
Paddock rotation	2012 barley, 2011 barley		
Herbicides	15/05/13: 2 L/ha Select		
	30/07/13: 2 L/ha Atrazine, 500 mL/ha Select		
Growing Season Rainfall	290mm		

## Results

**Table 1:** Yield and oil content of canola grown on the Glass property west of Wongan Hills.

Variety	Yield (t/ha)	Oil (%)	Grade
Telfer	1.08	43.2	CAN1
Hyola 559TT	1.05	45.0	CAN1
Stingray	1.03	43.6	CAN1
Sturt	0.99	44.3	CAN1
ATR Gem	0.90	44.1	CAN1

## Contact

Clare Johnston, Liebe Group  
clare@liebegroup.org.au  
(08) 9661 0570