

Comparison of triticale varieties

Key findings

- Jaywick and Kosciuszko were the highest yielding triticale varieties at Hart in 2010, averaging 3.53 t/ha.

Why do the trial?

To compare the performance of new triticale varieties and lines against the current industry standards.

How was it done?

Plot size	1.4m x 10m	Fertiliser	32:10 (DAP/Urea) @ 70 kg/ha UAN @ 100 L/ha 10 th August
Seeding date	14 th May 2010		

The trial was a randomised complete block design with 3 replicates and 7 varieties.

Plot edge rows were removed prior to harvest.

All plots were assessed for grain yield, protein, test weight and screenings with a 2.0 mm screen.

Results

Jaywick (4.68 t/ha) and Hawkeye (4.49 t/ha) were the highest yielding triticale varieties at Hart in 2010 (Table 1).

Triticale protein ranged from 7.6% (Bogong) to 9.1% (Speedee) and the average across all varieties was 8.4%.

Bogong produced the highest test weight (70.8 kg/hL) in the trial.

Screenings averaged 1.7% and there was no significant difference between varieties.

Table 1: Grain yield (t/ha), protein (%), test weight (kg/hL) and screenings (%) of triticale varieties at Hart in 2010.

Variety	Grain yield (t/ha)		Protein (%)		Test weight (kg/hL)		Screenings (%)	
		% of Tahara		% of Tahara		% of Tahara		% of Tahara
Bogong	3.99	95	7.6	93	70.8	105	1.8	138
Hawkeye	4.49	107	8.3	101	67.8	100	2.2	166
Jaywick	4.68	111	8.1	98	69.1	102	1.7	126
Kosiuszko	4.15	98	8.3	100	67.5	100	1.8	133
Rufus	4.11	97	8.2	100	67.4	100	1.2	90
Speedee	3.45	82	9.1	111	64.6	96	1.8	136
Tahara	4.21	100	8.2	100	67.5	100	1.3	100
Site mean	4.18	99	8.4	102	67.3	100	1.7	125
LSD (0.05)	0.24	8	0.9	8	1.4	2	ns	ns