

Comparison of triticale varieties

Key findings

- Chopper, Berkshire and Bogong were the highest yielding triticale varieties at Hart in 2011, averaging 3.5 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** 28:13 @ 90 kg/ha
UAN @ 70 L/ha, 29th July

Seeding date 28th May 2011

The trial was a randomised complete block design with 3 replicates and 8 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

Chopper (3.60 t/ha), Bogong (3.54 t/ha) and Berkshire (3.49 t/ha) were the highest yielding triticale varieties at Hart in 2011 (Table 1).

Triticale protein ranged from 8.1% (Bogong) to 11.7% (Jaywick) and the average across all varieties was 10.5%. Hawkeye also produced a high level of protein (11.5%).

Berkshire and Bogong (75.9 kg/hL) produced the highest test weights in the trial with the average being 73.4 kg/hL.

Screenings ranged from 0.9% (Rufus & Chopper) to 1.5% (Jaywick) and averaged 1.2% in this trial.

Table 1. Grain yield (t/ha), protein (%), test weight (kg/hL), and screenings (%) for triticale varieties at Hart in 2011.

Variety	Grain yield (t/ha)	% of Tahara	Protein (%)	% of Tahara	Test weight (kg/hL)	% of Tahara	Screenings (%)	% of Tahara
Berkshire	3.49	108	9.7	86	75.9	104	1.3	93
Bogong	3.54	109	8.1	73	75.5	104	1.3	93
Chopper	3.60	111	10.8	97	71.3	98	0.9	64
Hawkeye	3.18	98	11.5	103	74.3	102	1.2	86
Jaywick	3.03	94	11.7	104	71.9	99	1.5	107
Rufus	3.06	94	9.5	85	73.4	101	0.9	64
Tahara	3.24	100	11.2	100	72.7	100	1.4	100
Tickit	3.31	102	11.3	101	72.5	100	1.2	86
Site mean	3.31	102	10.5	94	73.4	101	1.2	87
LSD (0.05)	0.16	5	0.4	4	0.8	1	0.2	14