Comparison of triticale varieties

Key findings

- Speedee, Hawkeye and Jaywick were the highest yielding triticale varieties at Hart in 2008.

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	1.5m x 10m	**Fertiliser**	DAP @ 75kg/ha + 2% Zn
Seeding date	29th May 2008		

The trial was a randomised complete block design with 3 replicates and 6 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

Speedee, Hawkeye and Jaywick produced the highest yields averaging 1.01t/ha, although Kosciuszko and Rufus were not significantly different. Tahara was the lowest yielding variety (0.8t/ha).

Kosciuszko produced the highest protein (16%) followed closely by the three highest yielding varieties Speedee, Hawkeye and Jaywick.

Screening levels for Hawkeye, Speedee and Kosciuszko were above 30% and the lowest yielding variety Tahara had the lowest screenings (13.5%).

The test weight for all triticale varieties ranged between 63kg/hL and 68kg/hL.

Table 1: Grain yield (t/ha), protein (%), test weight (kg/hL) and screenings (%) for triticale varieties at Hart in 2008.

Variety	Grain yield (t/ha)	% of Tahara	Protein (%)	% of Tahara	Test weight (kg/hL)	% of Tahara	Screenings (%)	% of Tahara
Hawkeye	1.00	125	15.2	101	64.6	95	31	231
Jaywick	1.01	127	15.6	104	66.4	97	17	124
Kosciuszko	0.90	113	16.0	107	67.8	99	33	244
Rufus	0.94	118	14.9	99	67.0	98	19	142
Speedee	1.01	126	15.2	101	63.7	93	32	235
Tahara	0.80	100	15.0	100	68.2	100	14	100
Site mean	0.94	118	15.3	102	66.3	97	24	179
LSD(0.05)	0.14	17	0.5	3	6.3	9	4	28