

## Comparison of triticale varieties

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### Key findings

- Jaywick and Kosciuszko were the highest yielding triticale varieties at Hart in 2009, 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?

<b>Plot size</b>	1.4m x 10m	<b>Fertiliser</b>	DAP @ 60 kg/ha + 2% Zn Urea @ 50 kg/ha 10 <sup>th</sup> August
<b>Seeding date</b>	8 <sup>th</sup> May 2009		

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

Jaywick (3.63 t/ha) and Kosciuszko (3.43 t/ha) were the highest yielding triticale varieties at Hart in 2009 (Table 1).

The high yielding variety Jaywick produced the lowest protein (9.8%) and the lowest yielding variety Speedee produced the highest protein (11.7%).

For all triticale test weights were greater than 70.0 kg/hL and screenings were less than 2.0%.

Table 1: Grain yield (t/ha), protein (%), test weight (kg/hL) and screenings (%) for triticale varieties at Hart in 2009.

Variety	Grain yield (t/ha)	% of		Protein (%)	% of		Test weight (kg/hL)	% of		Screenings (%)	% of	
		Tahara	Tahara		Tahara	Tahara		Tahara	Tahara			
Hawkeye	3.24	101	94	10.0	74.8	104	1.0	65				
Jaywick	3.63	114	93	9.8	74.6	104	1.3	83				
Kosiuszko	3.43	107	103	10.9	73.9	103	1.5	96				
Rufus	2.98	93	99	10.5	71.8	100	1.2	79				
Speedee	2.64	82	110	11.7	70.8	99	1.4	95				
<b>Tahara</b>	<b>3.20</b>	<b>100</b>	<b>100</b>	<b>10.6</b>	<b>71.7</b>	<b>100</b>	<b>1.5</b>	<b>100</b>				
Site mean	3.18	100	100	10.6	72.9	102	1.3	86				
LSD (0.05)	0.21	7	6	0.6	0.5	1	0.3	20				