

multiple passes or with different harrow settings on weed control. It is possible that double incorporation may be more effective for higher rates of trifluralin. However, this research indicates that growers are best to incorporate by seeding with knife points and press wheels as they have done in the past.

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## ACID & ALUMINIUM TOLERANT BARLEY VARIETIES

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#### AIM

Evaluate the acid and aluminium tolerance of new and existing barley varieties.

#### TRIAL DETAILS

<b>Property</b>	Bob Nixon, Kalannie
<b>Registered Trial Number</b>	05WH55
<b>Soil group</b>	Undefined. Soil pH (CaCl <sub>2</sub> ) 4.9 @ 10cm. 4.4 @ 30cm.
<b>Sowing date</b>	13 <sup>th</sup> May 2005
<b>Seeding rate</b>	Barley @ 50 kg/ha
<b>Fertiliser (kg/ha)</b>	13 <sup>th</sup> May: Agras #1 @ 140 kg/ha 28 <sup>th</sup> June: Urea (46%) @ 54 kg/ha
<b>Paddock rotation</b>	2004 = Lupins, 2003 = Wheat, 2002 = Wheat, 2001 = Broadleaf & Clover Pasture, 2000 = Wheat.
<b>Herbicides</b>	13 <sup>th</sup> May: Trifluralin X @ 1.5 L/ha, SpraySeed 250 @ 2 L/ha 14 <sup>th</sup> June: Jaguar @ 1 L/ha, Lontrel L @ 250 mL/ha.

#### RESULTS

Test name	Grain (kg/ha)	%
<b>Tulla</b>	2024	124*
<b>Gairdn Plus</b>	1930	118*
<b>Brndabella</b>	1894	116*
<b>WABAR2315</b>	1864	114*
<b>Flagship</b>	1841	113*
<b>WABAR2319</b>	1821	112*
<b>Fleet</b>	1814	111*
<b>Doolup</b>	1800	110*
<b>Baudin</b>	1796	110*
<b>Buloke</b>	1788	110*
<b>Cowabbie</b>	1780	109*
<b>Gairdner</b>	1779	109*
<b>WABAR2312</b>	1771	109*
<b>Barque</b>	1748	107
<b>WABAR2317</b>	1744	107
<b>Molloy</b>	1741	107
<b>Mundah</b>	1736	107
<b>Yarra</b>	1733	106
<b>Doolup</b>	1714	105
<b>WABAR2175</b>	1710	105