

Nufarm Insight

High use rates of TriflurX® in a No-till system

Introduction:

New in 2010 is an update to Nufarm's TriflurX® label which allows rates of up to 3.0 L/ha to be used in canola under a no-till system. This follows on from 2006 when Nufarm's TriflurX had an update to the label, allowing rates of up to 3.0 L/ha to be used in wheat, barley, and triticale under a no-till system.

This change was made possible due to the extensive amount of trial work conducted by Nufarm in Australia over many years. Trial work on TriflurX and other pre-emergent partner products such as Avadex® Xtra continues in 2010.

In 2006 a replicated field trial was established in a crop of barley at Mt Arapiles, near Natimuk, in Victoria's Wimmera district. Many agronomists visited the site in late September and noted the higher visual levels of ryegrass control under the higher rates of TriflurX.



Trial Details:

Gairdner barley was sown on the 17th of May into 70% stubble loading.

Treatments were applied by handboom and incorporated by sowing (IBS) using farmer equipment within 4 hours. A no-till (knife-point and press wheel system) on 350mm (14") spacings was used.

There was no significant effect on the emergence of barley. The key to managing crop safety in this situation is to control the soil throw by using an appropriate sowing speed.

Results:

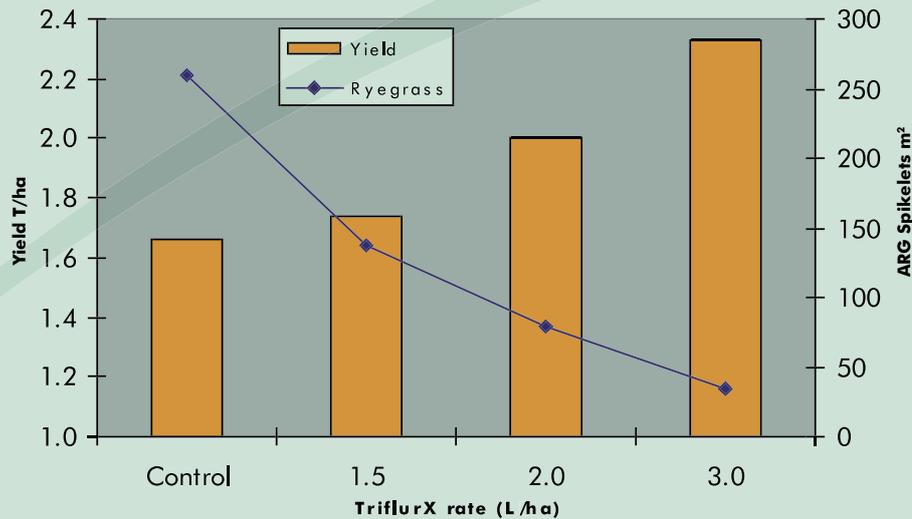
Photos below demonstrate the high ryegrass pressure at the site at an assessment on the 2nd of August (77 days after sowing).



Untreated:
Ryegrass population = 423 plants / m²



TriflurX @ 3.0 L/ha
Ryegrass population = 22 plants / m²

TriflurX - ryegrass control in Barley, Mt Arapiles 2006

The above graph highlights the improved yield and reduced ryegrass numbers, as the use rates of TriflurX are increased, with the 3 L/ha rate displaying the best results.

Economics:

Not only are there the benefits of increased yields and reduced ryegrass numbers, but as can be seen in the table below, there is also an economic benefit from using higher rates.

Treatment	Yield T/ ha	Gross Return \$/ha	Chemical Cost \$/ha	Benefit Over Untreated \$/ha
Untreated	1.66 c	\$299	\$0	\$0
TriflurX @ 1.5 L/ha	1.74 bc	\$313	\$9	\$5
TriflurX @ 2.0 L/ha	2.00 b	\$360	\$13	\$48
TriflurX @ 3.0 L/ha	2.33 a	\$419	\$19	\$101

Assumptions: Barley = \$180/T, TriflurX = \$6.25/L (Figures in table rounded to nearest dollar)

Summary:

- Higher rates of TriflurX can now be used in no-till systems where high levels of stubble and/or a high pressure of ryegrass is expected.
- Higher rates provide better levels of ryegrass control and higher crop yields.
- Ultimately this system has the benefit of improving grower's profits.



Call in the Xperts For more information on high rates of TriflurX in no-till, contact your local Nufarm Sales Manager.

Further details on this trial can be obtained by contacting:

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