

# Nufarm Insight

## Avadex Xtra - A new option in pre-emergent grass control



### High use rates of Avadex® Xtra in a no-till system - a pre-emergent herbicide option for annual ryegrass control

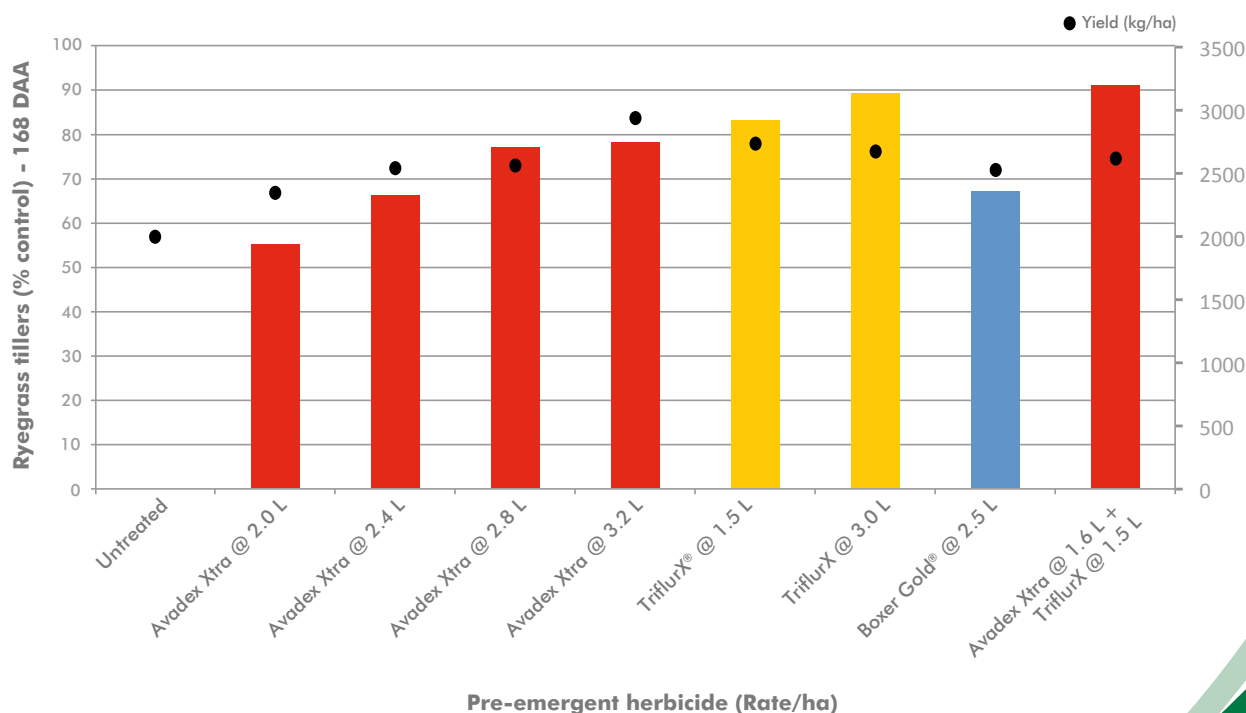
#### Replicated trial results: Minyip, Victoria.

In 2009 Nufarm conducted a series of replicated field trials across Australia to evaluate the performance of Avadex Xtra (500g/L triallate) on annual ryegrass (ARG) in a no-till cropping system. It was applied standalone and in tank mixes at rates greater than the current maximum label rate of 2.0L/ha.

This trial work supports the current project aimed at increasing the maximum label rate for Avadex Xtra to provide standalone control and another pre-emergent option (Group J) for ARG control, which will prove particularly useful for Group D (trifluralin) resistant populations.

A trial was established at Minyip in Victoria's Wimmera on 7 May, which was sown to Gairdner barley using a knife point and press wheel system on 300mm spacings.

**Graph 1: Final yield (kg/ha) and ryegrass tiller counts (% control)**



ARG pressure at the Minyip site (Graph 1) was very high with a final tiller (seed head) count of 864/m<sup>2</sup> in the untreated plot. Avadex Xtra displayed a good rate response with improved levels of ARG control as rates increased from 2.0 – 2.8L/ha.

Standalone rates of TriflurX<sup>®</sup> (480g/L trifluralin), and Avadex Xtra in a tank mix with TriflurX, also provided a high level of ARG control in this trial.



Photo 1: Untreated, after harvest.



Photo 2: Avadex Xtra @ 1.6L/ha + TriflurX @ 1.5L/ha, after harvest

## Summary

Avadex Xtra displayed excellent ARG control, as both a standalone application or in a tank mix with another pre-emergent herbicide.

Avadex Xtra (Group J) provides an alternative mode of action for Group D resistant ARG populations.

Nufarm is continuing the development and registration process for higher application rates of Avadex Xtra.

Note: Avadex Xtra rates above 2.0 L/ha are not registered for use in cereals.

# AVADeX<sup>®</sup> XTRA

## A new option in pre-em grass weed control.

Call in the  
**Xperts**

**Further details on this trial can be obtained by contacting**

**Mathew Taylor**  
Nufarm Sales Manager, Wimmera  
Ph. 0419 561 016  
Email: [mathew.taylor@au.nufarm.com](mailto:mathew.taylor@au.nufarm.com)

**Mark Slatter**  
Nufarm Research & Development  
Ph. 0438 064 845  
Email: [mark.slatter@au.nufarm.com](mailto:mark.slatter@au.nufarm.com)

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