

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

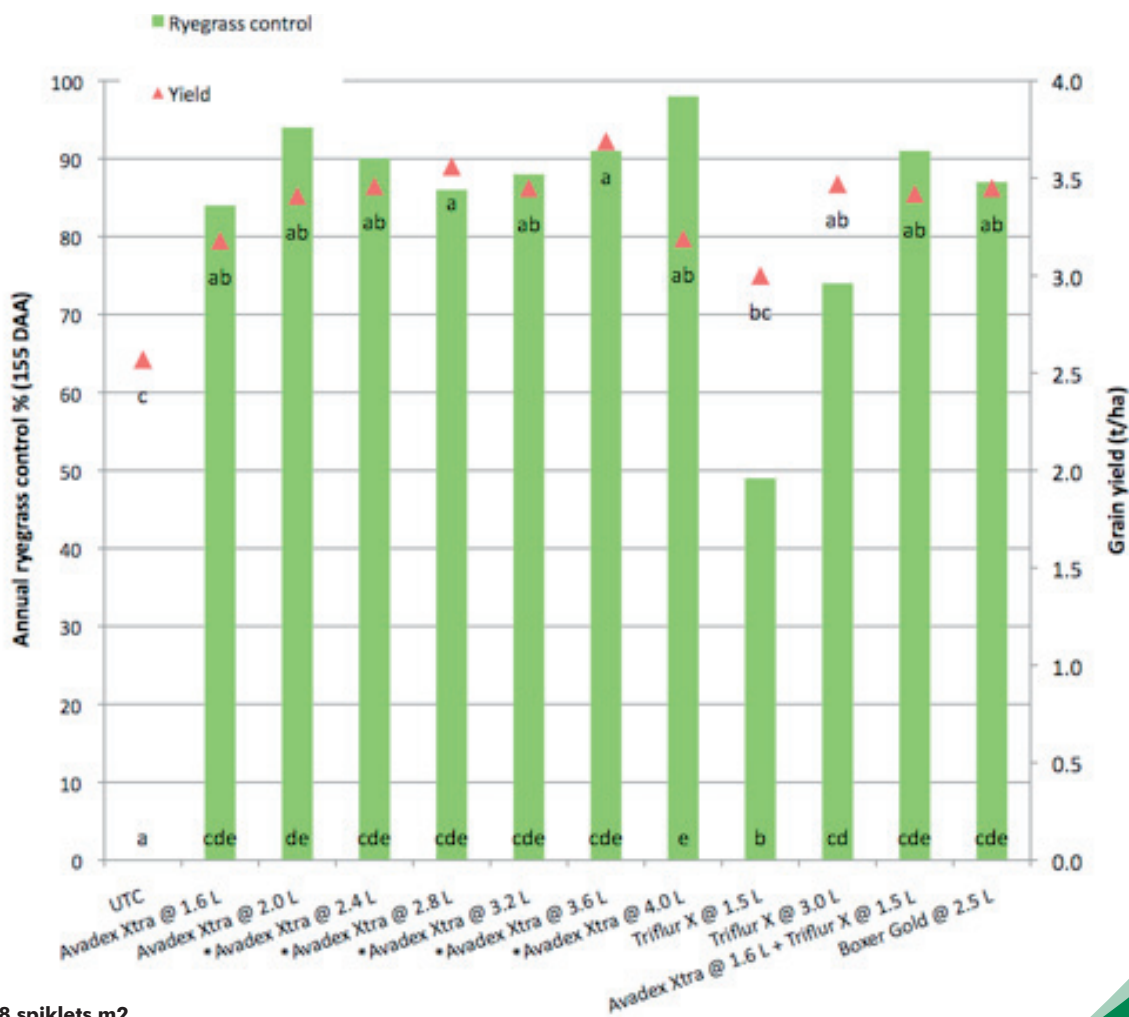
Replicated Trial Results: Urania, South Australia

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

The aim of the current work is to increase the maximum label rate for Avadex Xtra to offer standalone control, providing another pre-emergent option (Group J) for ARG control; particularly useful for Group D (trifluralin) resistant populations.

A trial was established at Urania, in South Australia's Yorke Peninsula, on the 1st of June; sown to barley using a commercial Bougault disc on 320 mm spacings.

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



UTC = 408 spiklets m²

cv = Fleet. No-till IBS

Group D Resistant. Trial ID: NUSA-09-7-01-H15

ARG control & yield followed by the same letter do not significantly differ (P<0.05, Duncan's New Multiple Range Test)

*These treatments are for research purposes only. Rates of Avadex Xtra > 2.0 L/ha are not registered for use.

ARG pressure at the Urania site (Graph 1) was high with a final tiller (seed head) count of 408 / m² in the untreated. Avadex Xtra displayed a good rate response with an increased level of ARG control as rates of Avadex Xtra increased from 1.6 – 4.0 L/ha.

Avadex Xtra in a tank mix with TriflurX provided a high level of ARG control in this trial.



Photo 1: Untreated, 38 days after application



Photo 2: Avadex Xtra @ 3.2 L/ha* 38 days after application

Summary

Avadex Xtra displayed excellent annual ryegrass control; either as a standalone application or in a tank mix with another pre-emergent herbicide. The current registered rates of Avadex Xtra and Triflur X for use in no-till is providing consistent results and more than just ryegrass control.

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

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

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

AVADeX^{TRA}

A new option in pre-em grass weed control.

Further details on this trial can be obtained by contacting your local Nufarm Sales Manager or Adelaide office 08 8444 6300

Call in the
Xperts

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