

# TECHNOTE GETTING THE BEST OUT OF AVADEX XTRA PLUS TRIFLURX

**Avadex® Xtra and TriflurX® deliver consistent, reliable and cost effective weed control across a range of problem weeds including ryegrass, wild oats and wireweed/hogweed.**

Together, they provide a solution for the management of these and other weeds. The synergistic benefits from the combined application provide improved weed control compared with using the two products individually.

## KEY FEATURES

- Cost effective control of a wide range of weeds, including problem weeds annual ryegrass, wild oats and wireweed/hogweed
- Prevents weeds competing with crops from the time of sowing
- Versatile and can be used with in a wide variety of cropping situations
- Gives up to 14 weeks protection from subsequent germinations
- Helps manage annual ryegrass and wild oat resistance and is a useful tool in integrated weed management
- Provides two powerful doses of two herbicide groups in one pass – saving time and application costs

## MODE OF ACTION

Avadex Xtra contains 500 g/L of the active ingredient triallate. Avadex Xtra is a group J herbicide that works by inhibiting fat synthesis. TriflurX contains 480 g/L of the active ingredient trifluralin. TriflurX is a group a group D herbicide that works by inhibiting tubulin formation.

## HOW AVADEX XTRA AND TRIFLURX WORK

When both herbicides are incorporated and come into contact with moisture they turn into a gaseous vapour, filling the pore spaces within soil. This vapour is then absorbed by the coleoptile and roots of germinating weeds, inhibiting growth.

## WEEDS CONTROLLED

The combination of Avadex Xtra and TriflurX is registered to control:

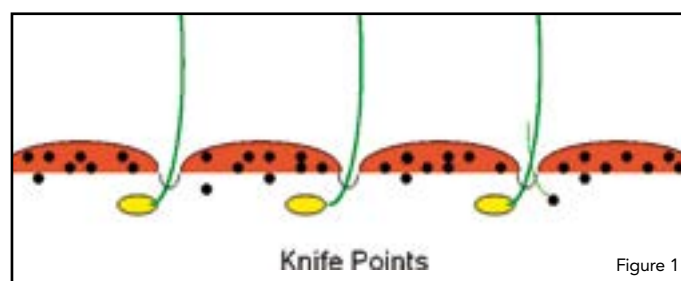
- Annual ryegrass, wireweed/hogweed, wild oats, cereal oats, phalaris spp., fumitory, sand fescue, silver grass, winter grass, paradoxa grass/canary grass, corn gromwell, sheepwood and rough poppy

The combination of Avadex Xtra and TriflurX is registered for soil surface suppression of:

- Brome grass, barley grass, three-cornered jack/doublegee, caltrop, yellow burr weed, deadnettle and speedwell.

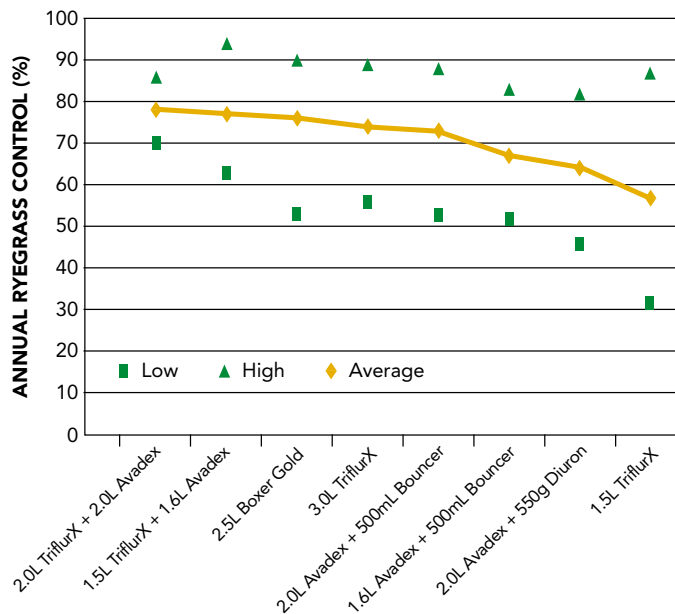
## PRACTICAL GUIDES FOR NO-TILL

Avadex Xtra and TriflurX should be applied to the soil and evenly incorporated by sowing (IBS). Soil throw is critical to ensure that the inter-row is covered – but soil should not be thrown into the adjoining furrow. Germination of weed seed is reduced by low weed seed disturbance and an undisturbed inter-row (Figure 1).



## EFFICACY

FIGURE 2: AVADEX XTRA AND TRIFLURX RESULTS 2009



Graph above shows % Annual Ryegrass control across all replicated trialwork in season 2009. Highest and lowest results are included with the average results represented by the line. A minimum of 5 replicated trials represent each treatment. Straight TriflurX control can vary due to some sites being targeted as Group D ARG resistant.



## CRITICAL INFORMATION

	AVADEX XTRA	TRIFLURX
<b>PRODUCT TYPE</b>	Pre-emergent herbicide	Pre-emergent herbicide
<b>ACTIVE INGREDIENTS</b>	500 g/L triallate	480 g/L trifluralin
<b>CHEMICAL FAMILY</b>	Group J	Group D
<b>USE RATE</b>	1.6 – 2.4 L/ha	1.5 – 2.0 L/ha
AVADEX XTRA AND TRIFLURX USED IN COMBINATION		
<b>REGISTERD USE</b>	Wheat, barley, triticale and canola	
<b>WEEDS CONTROLLED</b>	Annual ryegrass (including Group D resistant biotypes), wireweed, phalaris spp., fumitory, wild oats (including Group A resistant biotypes), cereal oats, sand fescue, silver grass, winter grass, paradoxa grass, corn gromwell, rough poppy	
<b>WEEDS SUPPRESSED AT SOIL SURFACE</b>	Brome grass, barley grass, three-cornered jack, caltrop (yellowvine and bullhead), yellow burr weed, deadnettle, speedwell	
<b>RECOMMENDED SPRAY QUALITY</b>	COARSE or greater	
<b>RECOMMENDED WATER RATE</b>	40 to 100 L/ha	
<b>INCORPORATION PERIOD</b>	Within 24 hours	
<b>PRODUCT PACK SIZES</b>	20L, 100L, 1000L	

For more information on Avadex Xtra or TriflurX, contact your local Nufarm Sales Manager.

[nufarm.com.au](http://nufarm.com.au)

The information and recommendations set out in this brochure are no substitute for professional or expert advice and are based on tests and data believed to be reliable at the time of publication. Results may vary, as the use and application of the products is beyond our control and may be subject to climatic, geographical or biological variables, and/or developed resistance. To the maximum extent permitted by law, Nufarm Australia Limited disclaims all warranties of any kind, whether express or implied, including but not limited to any warranty that the information is up-to-date, complete, true, legally compliant, accurate, non-misleading or suitable.

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