



# Triathlon®

## Product Overview

TRIATHLON® is a unique broad spectrum herbicide for early broadleaf weed control in winter cereals, incorporating 3 herbicide modes of action (MOA). When applied early in the crop TRIATHLON® is an effective management tool for a range of broadleaf weeds as well as hard to control Wild Radish. TRIATHLON® also provides residual activity to help control later germinating weeds.

- Optimised formulation for Australian conditions and weeds
- Excellent activity on Wild Radish, including multiple herbicide resistant biotypes
- Excellent crop safety - extensively tested on multiple varieties and situations
- Additional benefit of residual control for up to 4 weeks
- Compatible with a wide range of products
- Excellent rotational option for pyrasulfatole based products on Wild Radish.

## Mode of Action

GROUP **FCI** HERBICIDE

TRIATHLON® is a member of the nicotinamide, nitrile and phenoxy groups of herbicides and acts by inhibiting carotenoid biosynthesis at the phytoene desaturase step (PDS inhibitors), inhibiting photosynthesis at photosystem II (PS II inhibitors) and disrupting plant cell growth.

TRIATHLON®'s primary activity is on emerged broadleaf weeds through foliar uptake, however, a level of pre-emergent residual weed control can be achieved that allows TRIATHLON® to control newly germinating weeds for up to 4 weeks following an application.

For herbicide resistance management TRIATHLON® is a Group F, Group C and Group I herbicide and where possible should be used in rotation with herbicides from alternative MOA groups.

## Standard Recommendations

**Crops:** For use in Wheat, Barley, Triticale and Cereal Rye.

**Rates:** 250 mL to 1000 mL/Ha depending on target weed and weed size.

**Weeds:** Registered to control or suppress 58 broadleaf weeds including, Wild Radish, Capeweed, Volunteer Canola, Fumitory and Hedge Mustard.

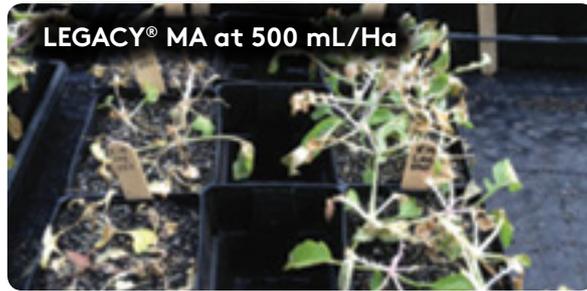
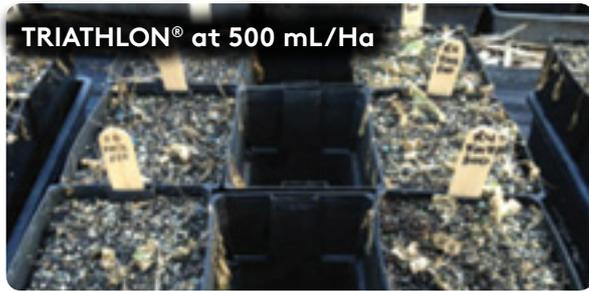
**Application:**

**Boom Sprayer:** A minimum of 50 L/Ha of water should be used, however, for optimum results water rates of 70-100 L/Ha are recommended. Increase the water volume if weed infestation is heavy or crop cover is dense. Complete coverage of weeds is essential.

**Aircraft:** Apply in a minimum of 30 L/Ha of water. Effective weed control will only be achieved where good coverage of leaf surface is achieved.

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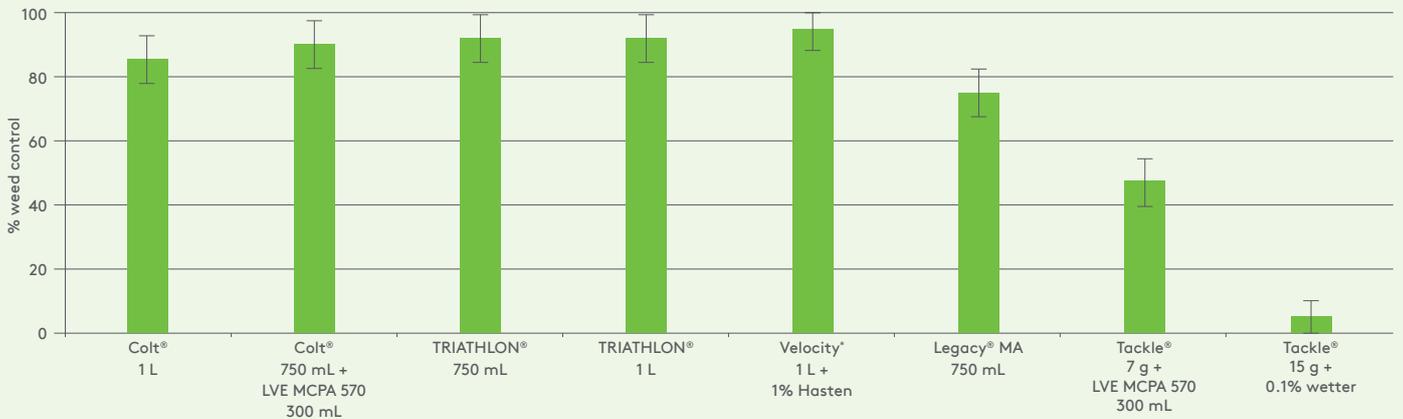
TRIATHLON® delivers outstanding performance against Wild Radish



P. Boutsalis, 2013

The pots on the left in each photo contain fully susceptible Wild Radish plants while the pots on the right contain a multiple herbicide resistant biotype

## Wild Radish control, York, WA, 2013, 83 DAA, 4-6 leaf weeds



TRIATHLON® gives excellent control against Wild Radish

## Features and Benefits

Features	Benefits
Residual weed control	One pass application with residual weed control for up to 4 weeks
Cost effective when compared with alternative products	Improved yield through reduced early and longer term weed competition and a greater return on investment
Three active ingredients from three different herbicide groups	3 Modes of Action for broad spectrum activity and Resistance Management
Short grazing withholding period	Greater flexibility to graze crops in mixed farming enterprises
High level of crop safety	Confidence that crop yield will be maximised not compromised
Excellent tank mix compatibility.	Reduced need for multiple applications to apply fungicides, insecticides and grass selective herbicides.

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