



# ADAMA Quadrant®

Strength in numbers.



## Product overview

Quadrant® herbicide is a unique co-formulation that controls or suppresses 60 broadleaf weeds in cereal crops. Over 40 independent trials conducted throughout Australia between 2016 and 2018 have confirmed Quadrant provides similar or superior knockdown and residual control of key broadleaf weeds, including Wild Radish, Capeweed, Doublegee/Spiny Emex, Fumitory, Indian Hedge Mustard, Matricaria and Wireweed, when compared to industry-standard herbicides or tank-mixes.

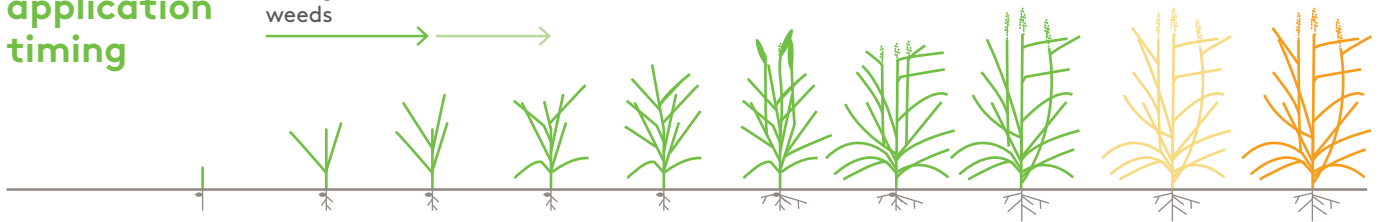
## Mode of action

**GROUP 12 | 6 | 4 HERBICIDE**

Quadrant combines four proven active ingredients and three modes of action. It contains 10 g/L picolinafen (Group 12), 20 g/L diflufenican (Group 12), 240 g/L bromoxynil (Group 6) and 250 g/L MCPA (Group 4). It provides fast knockdown of susceptible weeds and residual control of Wild Radish for up to four weeks after application.

## Crop application timing

Control of emerged weeds → Residual control →



Zadoks Growth Stage	GS00-09	GS10-19	GS20-29	GS30-39	GS40-49	GS50-59	GS60-69	GS70-79	GS80-89	GS90-99
Development Phase	Germination	Seedling growth	Tillering	Stem elongation	Booting	Ear emergence	Flowering	Milk development (grain fill period)	Dough development (grain fill period)	Ripening

## Features and benefits

<b>Broad spectrum</b>	Quadrant controls or suppresses 60 broadleaf weeds, including Wild Radish, Capeweed, Doublegee/Spiny Emex, Fumitory, Indian Hedge Mustard, Matricaria and Wireweed, in winter cereal crops.
<b>Efficacy</b>	Quadrant provides similar or superior efficacy against Wild Radish, Capeweed and Doublegee, as industry-standard herbicides.
<b>Robust control</b>	Quadrant controls actively-growing weeds under a wide range of growing conditions.
<b>Convenient</b>	Quadrant is a unique, ready-to-use co-formulation of four active ingredients, making it easier to use than tank-mixtures.
<b>Resistance management</b>	Trials have confirmed Quadrant controls Wild Radish with single, dual or multiple resistance profiles and is suitable for use in herbicide resistance programs.
<b>Local innovation</b>	Quadrant was developed by ADAMA Australia to provide grain growers with a new tool to manage herbicide resistance.



HERBICIDE

# Quadrant®

## Application rate

Quadrant is applied at 600 to 1200 mL/ha. Use higher application rates to control larger weeds, particularly if there is high crop and weed density. Refer to the registered label. Higher application rates will control larger weeds, provide faster burndown and increase residual control of susceptible weeds but may increase the risk of crop effects, particularly if applied later in the application window.

## Crop stage

Apply Quadrant from the 3 leaf to late tillering crop growth stage (GS13-28). Optimum results are achieved when Quadrant is applied at the 3-5 leaf crop stage (approximately 4 to 8 weeks after sowing) and before the crop canopy begins to close.

## Weed stage

Apply when weeds are actively growing. Optimum results will be obtained on smaller weeds and if good soil moisture exists at and after application.

## Application

Complete coverage of weeds is essential. For ground application, a spray volume of 70-100 L/ha is recommended. Apply using a coarse spray quality in accordance to nozzle manufacturer specifications. Increase the spray volume if weed infestation is heavy or crop cover is dense.

## Crop tolerance

Quadrant may cause transient yellowing in cereals, particularly oats, or if application is made at higher rates and/or later in the application window. However, subsequent plant growth and crop development will be unaffected. Refer to the Quadrant label.

## Restrictions

DO NOT apply to crops or weeds under stress due to disease or insect damage, nutrient deficiencies or other herbicide use.

DO NOT apply to frost-affected crops or weeds or if frosts are imminent.

DO NOT apply to crops or weeds that are stressed due to dry or excessively moist conditions, or excessively dry or moist conditions are expected post-application.

DO NOT apply if rain is expected within four hours or if heavy rains or storms are forecast within two days.

DO NOT apply with crop oils.

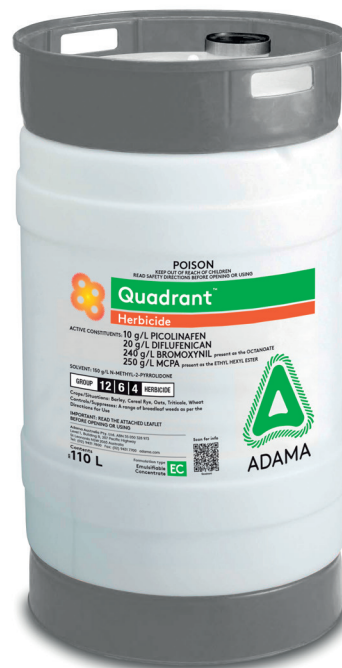
DO NOT apply to crops undersown with lucerne, clover or medics.

Refer to the full list of restrictions on the Quadrant label.

## Withholding periods

**Harvest:** Not required when used as directed.

**Grazing:** Do not graze or cut for stock food for eight weeks after application.



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