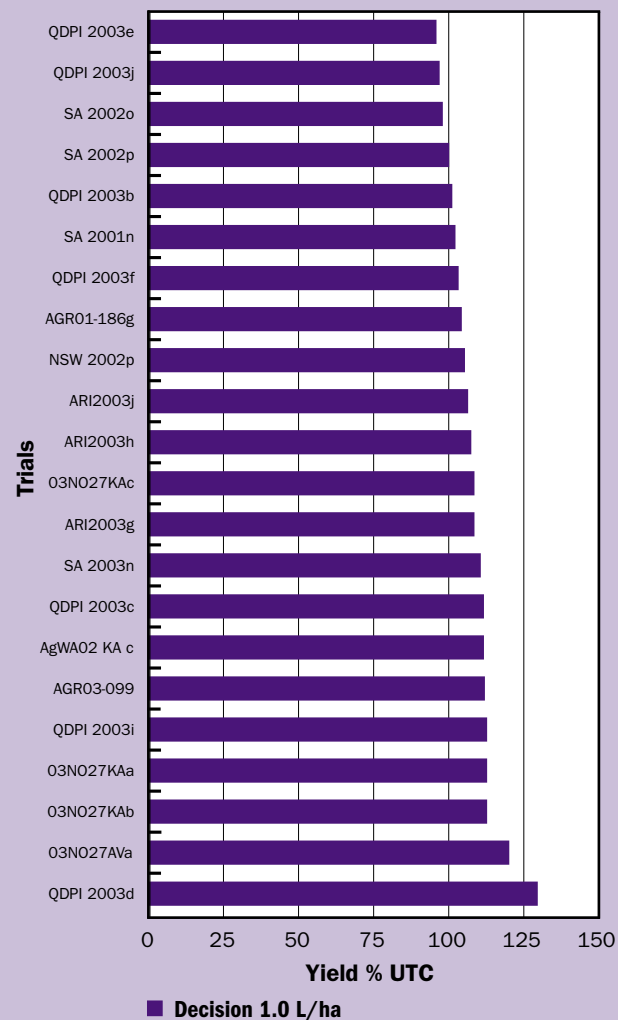


Crop yield

GRAPH 3: Crop yield – barley (weed-free sites).



CONCLUSION: There is no yield disadvantage in barley when using Decision.



USE OF CROP OIL/ WETTING AGENT WITH DECISION (BARLEY AND WHEAT)

Continuing research and development with Decision has refined specific recommendations for the addition of crop oils or wetting agents to Decision.

A) Decision applied alone

When Decision is being applied alone, (i.e. with no other herbicides) add one of the following adjuvants:

- Uptake at 0.5% v/v (i.e. 0.5 L per 100 L of spray mixture),
- D-C-Trate (763 g/L petroleum oil) at 1.0% v/v (i.e. 1.0 L per 100 L of spray mixture), or
- Hasten at 1.0% v/v (i.e. 1.0 L per 100 L of spray mixture).

NOTE: When using Hasten, a suitable foliar zinc-oxide product should be added to minimise crop effects, e.g. Twin Zinc or Agrichem Broadacre Zinc at 350 mL/ha.

B) Decision applied with Tigrex or Giant

When tank-mixing Decision with Tigrex® or Giant®, a non-ionic wetting agent, e.g. BS1000 at 0.25% v/v (i.e. 250 mL per 100 L of spray mixture), should be added instead of Uptake, D-C-Trate or Hasten.

C) Decision applied with MCPA LVE

When tank-mixing Decision with MCPA LVE add Hasten at 1% v/v (i.e. 1.0 L per 100 L of spray mixture).

DECISION®

TECHNICAL GUIDE BARLEY ADDENDUM

**For the control of annual ryegrass
in barley and wheat.**

NOW REGISTERED IN BARLEY



DECISION®

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INTRODUCTION

Decision® Selective Herbicide is now registered for annual ryegrass control in both barley and wheat. Decision utilises a mixture of “fop” and “dim” herbicides with a leading crop safener to ensure good crop safety. Decision consistently outperforms Hoegrass® in controlling annual ryegrass and will become the new industry standard for annual ryegrass control.



UPDATED DIRECTIONS FOR USE

Restraints

DO NOT apply to any crop other than barley or wheat.

DO NOT apply to crops that are physically damaged (e.g. by hail, wind, insect attack).

DO NOT allow spray overlap or double spraying of corners.

DO NOT apply to weeds or crop under stress caused by, for example, very dry, very wet, nutrient-deficient, frosty or diseased conditions, or as a result of a previous herbicide or foliar fertiliser treatment (see also GENERAL INSTRUCTIONS on product label).

DO NOT apply if rainfall is expected within 2 hours.

Crop	Weed	State	Weed stage	Rate (ha)	Critical comments
Barley, wheat	Annual ryegrass (<i>Lolium rigidum</i>)	NSW, ACT, Vic, Tas, SA & WA only	2-leaf to one-tiller (Z12 to Z14, 21)	1.0 L	Apply generally 3 to 6 weeks after sowing, when crop is usually 2-leaf to 1-tiller (Z12 to Z14, 21). When Decision is being applied alone add one of the following adjuvants: Uptake® at 0.5% v/v, D-C-Trate® (763 g/L petroleum oil) at 1.0% v/v, or Hasten® at 1.0% v/v. When using Hasten a suitable foliar-applied zinc-oxide product should be added, e.g. Twin Zinc or Agrichem Broadacre Zinc at 350 mL/ha. When Decision is to be tank-mixed with a compatible product, refer to Use of a crop oil/wetting agent under GENERAL INSTRUCTIONS on the product label.

CONSULT THE LABEL FOR COMPLETE INSTRUCTION FOR USE.

Withholding periods

Harvest: NOT REQUIRED WHEN USED AS DIRECTED
Grazing: DO NOT GRAZE OR CUT FOR STOCKFOOD FOR 7 WEEKS AFTER APPLICATION



CROP SAFETY IN BARLEY

Crop discolouration and biomass reduction

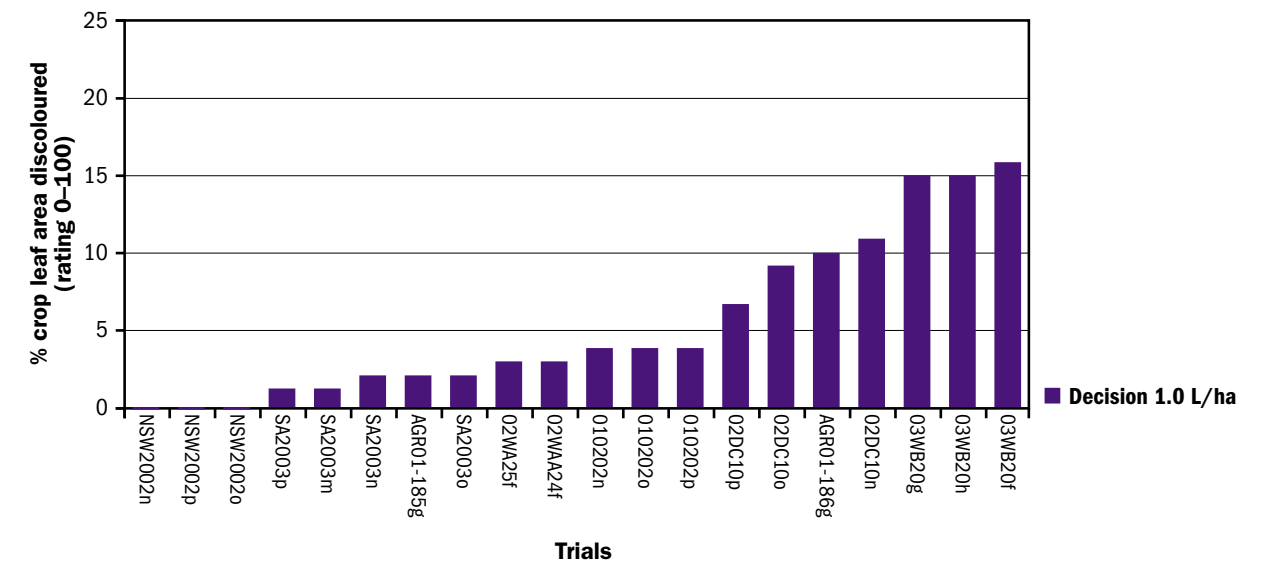
Decision can cause crop discolouration shortly after application. The typical symptoms include yellowing of the plant material. Sethoxydim penetrates the cuticle and epidermis rapidly, but translocation in the phloem is relatively slow. Movement in the xylem is more rapid, leading to accumulation of sethoxydim at the leaf tips. This can result in burning of the barley leaf tips and transient whitening at the base of new leaf emergence.

Varietal review

The trial data shows no significant varietal differences in barley, so there are no variety restrictions on the Decision label.



GRAPH 1: Maximum crop discolouration in barley. Decision 1.0 L/ha (weed-free sites).



GRAPH 2: Maximum biomass reduction in barley. Decision 1.0 L/ha (weed-free sites).

