



# Effective weed control in oats using Precept® selective herbicide

## PRECEPT®

- A combination of pyrasulfotole (the only Group H active ingredient registered in oats) and MCPA LVE.
- Pyrasulfotole provides innovative, distinct and extremely robust 3-way activity on broadleaf weeds. MCPA LVE provides the capacity to control more mature weeds and higher weed densities.
- Controls a wide range of broadleaf weeds including many problem weeds.
- Effective against wild radish resistant to Group B (e.g. chlorsulfuron) Group C (e.g. atrazine) and Group F (e.g. picolinafen/diflufenican) herbicides.
- Provides excellent crop safety in oats and can be applied from the 3-leaf stage (Z13) through to first node (Z31) in oats.

### Crop Stage: As early as 3-leaf for spray application

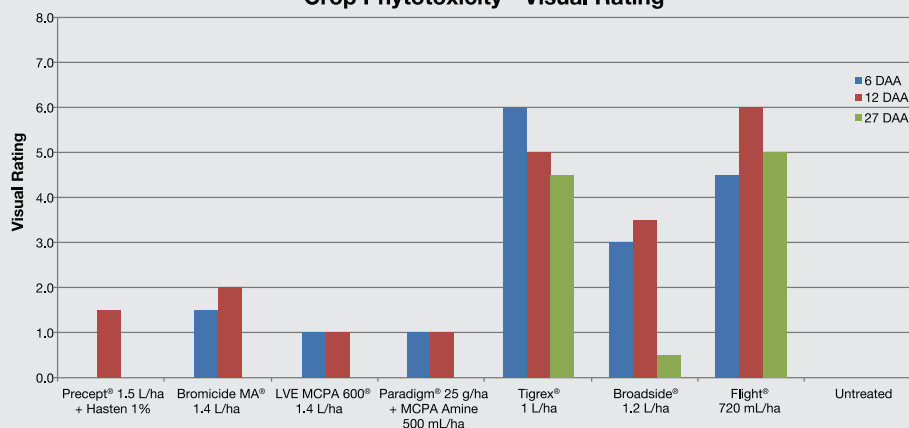


### Minimal discoloration in oats

Precept normally causes less discoloration of the crop than other herbicides used for broadleaf control in oat crops. In this trial at Wandering WA visual ratings were used to evaluate the level of crop effect for the various treatments.

Oats crop growth stage at spraying - Z13 - Z21

### Crop Phytotoxicity - Visual Rating



Trial ID: HP16AUSBP1

### Problem weeds controlled\*

When used as directed, Precept controls a wide range of problem broadleaf weeds in oats, including wild radish, Indian hedge mustard, wild turnip, dense flower fumitory, Paterson's curse, prickly lettuce, common sowthistle, wireweed, volunteer canola and volunteer pulses\*. Precept also offers useful suppression of doublegee.

\*May require the addition of Lontrel® for control.



Fumitory

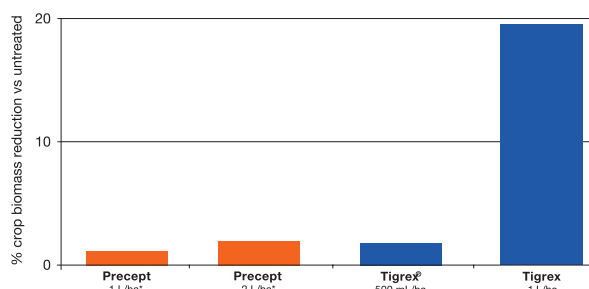
Wild radish seedling

Prickly lettuce seedling

Wireweed seedling

### Less biomass reduction in oats

As well as controlling a wide range of hard-to-kill weeds, Precept typically causes less biomass reduction than other herbicides used for weed control in oats.



\* with Hasten 1% v/v  
Trial IDs: 04WB23, 05WB26, 05NW22, 05VB10, 05SA41, 07ND19, 07VB14, 07SA15



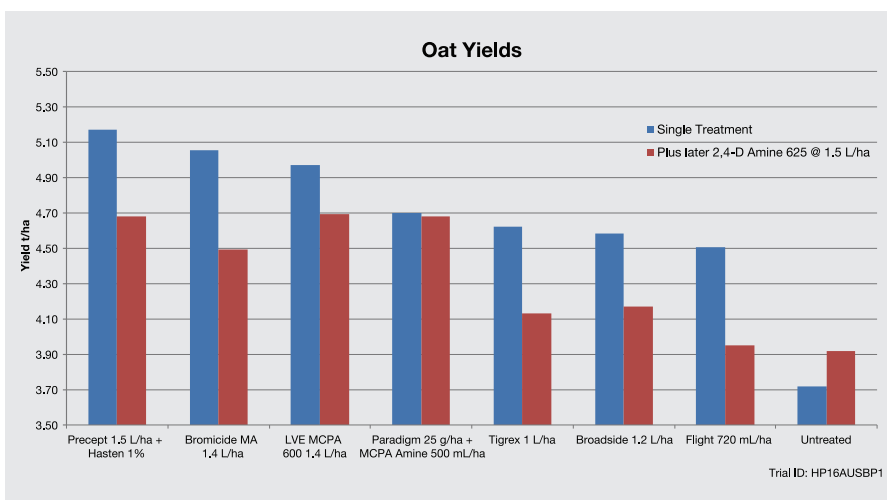
GROUP **HI** HERBICIDE

# Trials show highly effective weed control using Precept in oats

## Wandering WA 2016 – Oats Yield Response

In 2016 a trial, coordinated by Elders Narrogin at Wandering WA, compared a range of herbicide options for control of wild radish in oats. The trial also compared these herbicides for their crop effect. An early spray was (Timing 1) used to apply treatments followed by a second later 2,4-D Amine application. Herbicide resistance test kits were used and low-level Group I and F resistance was confirmed in the wild radish population.

The graph to the right shows oat grain yield (t/ha) for various herbicide treatments and timing. The later 2,4-D Amine application reduced the yield across all treatments.



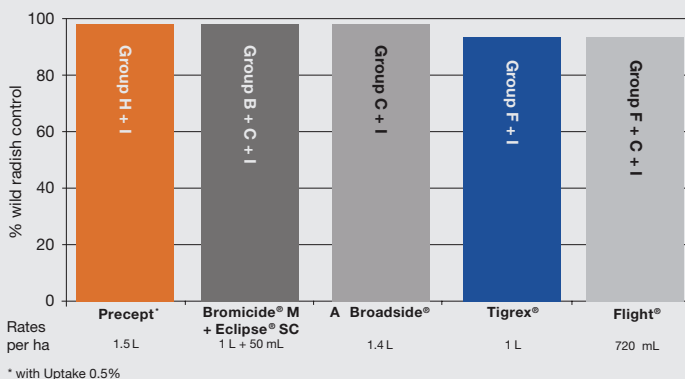
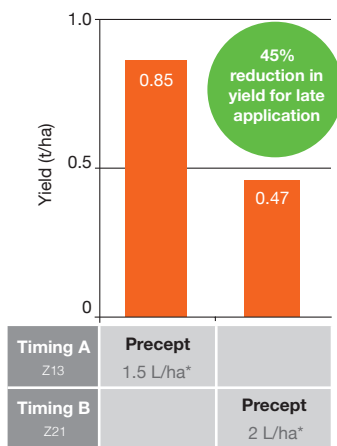
## York WA 2015

This 2015 York trial in Carrollup oats, on up to 4-leaf wild radish ranging in density from 40 to 200 plants/m<sup>2</sup>, confirms that Precept provides very high levels of control. Trial ID: 15WC29



## Spray at the right time

This trial on a susceptible wild radish population highlighted that a four-week delay in applying Precept – even at an increased rate – resulted in a 45% reduction in grain yield due to weed competition with the oat crop. Trial ID:15WC29



## The key messages from these trials back up results from other trial work and field experience with Precept. These are:

- Excellent control of hard-to-kill weeds such as wild radish
- Low levels of discoloration and a high level of crop safety in oats
- A superior return on investment compared to competitor herbicides
- Precept is an excellent herbicide rotation option that growers can use to help manage herbicide resistance

Other Bayer products for use on oats include Prostaro® 420 foliar fungicide and EverGol® Energy seed dressing for rhizoctonia bare-patch suppression.



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Always refer to product label for the full list of weeds controlled and the appropriate product use rates and weed size details; Always read the label for full instructions. The information and recommendations set out in this brochure 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. Any product referred to in this brochure must be used strictly as directed, and other applicable reference material. So far as it is lawfully label to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions. Precept®, Tigrex®, EverGol® Energy, Eclipse® and Prostaro® are Registered Trademarks of the Bayer Group.