

## Very fast burndown of hard-to-control weeds

Sharpen® is a very fast-acting, versatile broadleaf herbicide that is widely used to increase the speed of pre-plant burndown, control the toughest broadleaf weeds and cut re-grazing intervals in pasture and feed crops. Unlike other Group 14 herbicides, Sharpen has systemic activity that can strengthen and lengthen its weed control.



- Faster burndown of over 60 weeds in tank-mixes with all formulations of glyphosate.
- Excellent control of major broadleaf weeds, including triazine-resistant chickweed, nightshade and fathen.
- Systemic activity promotes more robust control.
- No need to decontaminate the spray rig.
- Favourable environmental, toxicological and ecotoxicological profiles.

### Mode of action

Group 14 Protoporphyrinogen oxidase inhibitors (PPOs)

### Registration

Pre-plant burndown in seed bed preparation and conservation tillage or pasture renovation

### Application methods

Ground spray only

### WHP

In pasture, grazing or cultivating should be delayed 2 days after treatment of annual weeds and 3 days if perennial weeds are present to allow sufficient uptake of glyphosate



Untreated



Sharpen + ESO\* + glyphosate

\*Ethoxylated seed oil

# Sharpen®

## Herbicide

### How and when to use Sharpen for burndown

#### Rate

Sharpen 25 g/ha + ethoxylated seed oil (ESO) + glyphosate at label rates.

#### Method

Use sufficient water volumes to ensure good coverage of target weeds – at least 150 L/ha.

#### Timing

Use no more than 2 applications at least 21 days apart before sowing, using the plantback timings listed below.

#### Crop plantback following pre-plant use of Sharpen + ESO + glyphosate

| Application situation                        | 1 day                                | 1 week                                                             | 3 weeks       | 4 weeks                               |
|----------------------------------------------|--------------------------------------|--------------------------------------------------------------------|---------------|---------------------------------------|
| Bare soil, stale seedbed (<80% ground cover) | Cereals<br>Grasses                   |                                                                    | Other legumes | Forage brassicas<br>Carrots<br>Onions |
| Pasture renewal (>80% ground cover)          | Maize<br>Sweetcorn<br>Peas<br>Squash | Forage brassicas<br>Carrots<br>Onions<br>Potatoes<br>Other legumes |               |                                       |

For crops not listed above, such as tomatoes (56 days), fodder beet (42 days), use a germination test on a sample to confirm that the soil is ready before full planting.

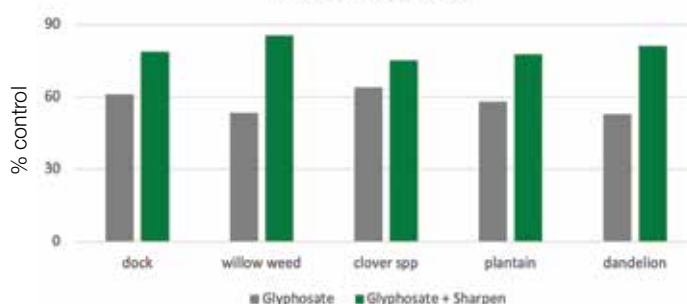
Check the label of any other partner mixed with Sharpen to determine any other plantback periods or restrictions on use.

### Resistance management

Resistance to Sharpen and other MoA Group 14 herbicides could develop through excessive use. Use strictly in accordance with label instructions and in a herbicide programme that incorporates other MoA groups. Refer to the NZCPR website [www.resistance.nzpps.org](http://www.resistance.nzpps.org) for more detailed information.

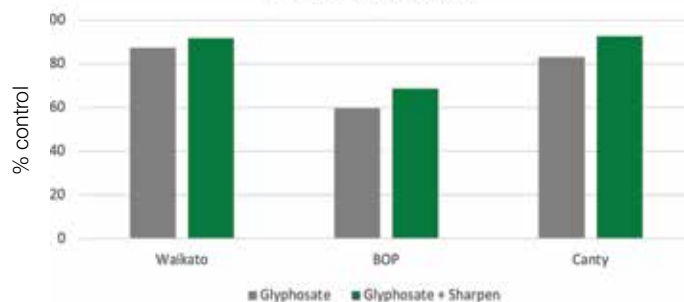
**Brown down of broadleaf weeds (%)**

7 days after application



**Brown down of pasture (%)**

7 days after application



Scan this QR code for more information,  
or contact your local BASF representative on  
**0800 558 399.**

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS BEFORE USING ANY PRODUCTS.**

This fact sheet is intended as general advice. The information submitted in this publication is based on current BASF knowledge and experience.

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