

Sharpen®

Herbicide

Powerful pre-emergence control of key broadleaf weeds in maize & sweet corn crops

Sharpen® is the only Group 14 herbicide registered for use in maize, delivering excellent control whilst also helping growers manage their herbicide resistance management strategies. Using Sharpen in a tank-mix with acetochlor for pre-emergent applications straight after sowing provides very effective control of broadleaf weeds, including weeds that are resistant to triazine herbicides (e.g. atrazine).



- Excellent control of major broadleaf weeds, including triazine-resistant willow weed, nightshade and fathen.
- Tank-mixes with pre-emergent grassweed herbicides broaden their spectrum of activity.
- Sharpen is from a different herbicide mode of action group (PPO Inhibitors) strengthening herbicide resistance management in maize and sweet corn crops.
- Extended residual activity in the soil (rate dependent).
- No need to decontaminate the spray rig after use, unlike other PPO herbicides.
- Favourable environmental, toxicological and ecotoxicological profiles.

Mode of action

Group 14 Protoporphyrinogen-oxidase inhibitors (PPOs)

Pre-emergence crop registrations

Maize
Sweet corn

WHP

Do not graze or cut for feed within 28 days after application

Up to 8 weeks' pre-emergent control of:

Fathen
Black nightshade
Broadleaf docks (seedling)
Willow weed
Wireweed

Up to 8 weeks' pre-emergent suppression of:

Pink shamrock (oxalis)

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How and when to use Sharpen for pre-emergent weed control

New FlexiRate for maize

Sharpen 100-150 g/ha + acetochlor, S-metolachlor or Frontier-P® at label rates.

The low rate will give 4-6 weeks residual control and a post-emergent herbicide is likely to be needed. The high rate gives up to 8 weeks residual control and should be used in fields with high weed pressure. The high rate may provide weed control through to canopy closure (no post-emergence herbicide needed). No adjuvant is required for this use pattern.

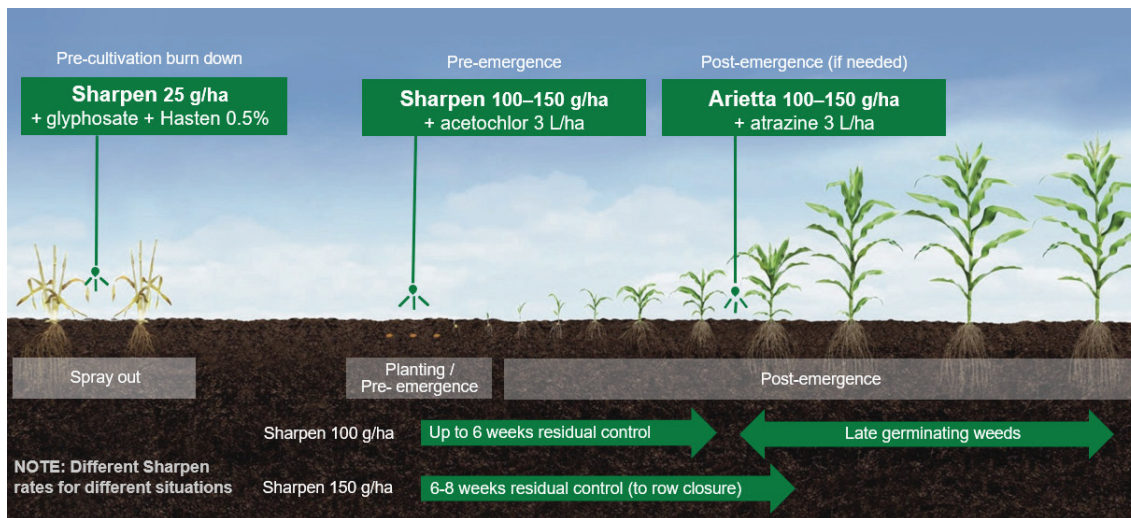
Timing

Apply as soon as possible after planting and before the crop or weeds emerge.

Optimum broadleaf weed control and resistance management

Substituting Sharpen for atrazine as a pre-emergence herbicide needn't mean not using atrazine at all. This suggested program incorporates atrazine in a tank-mix with Arietta® for post-emergent control to follow up the residual pre-emergent activity of Sharpen mixed with acetochlor. Both Sharpen (Group 14) and Arietta (Group 27) are in the moderate risk category for developing resistance and provide excellent control of key weeds. Arietta is the only herbicide registered to control velvetleaf in maize.

Suggested tank-mixes and application timings



* ECO - esterified canola oil

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 for more detailed information.



For more information on **Sharpen Herbicide**, scan this QR code or contact your local BASF representative on **0800 558 399**.

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ALWAYS READ AND FOLLOW LABEL DIRECTIONS BEFORE USING ANY PRODUCT IN THIS FACT SHEET.

ACVM Registration numbers: Sharpen: P008391, Arietta: P008825.
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