



Long-lasting, flexible pre-emergence weed control in maize and sweet corn

Maize and sweet corn growers can now apply Sharpen® at a range of rates immediately after sowing to simultaneously improve their control of key broadleaf weeds and strengthen their management of herbicide resistance.

Q What's the advantage of using Sharpen for residual pre-em control?

A The main reason to spray Sharpen – mixed with acetochlor – straight after sowing is for excellent, long-lasting control of major broadleaf weeds, including weeds that have become resistant to atrazine and other triazine herbicides.

Because Sharpen is the only Group 14 herbicide registered in maize and sweet corn, using that extra mode of action also takes resistance pressure off the other herbicides in the spray program.

Q How does the new pre-em Flexirate for Sharpen work?

A Sharpen can now be applied at any rate from 100 to 150 g/ha for pre-emergent control. At the low end of the range, Sharpen plus acetochlor will deliver better control than atrazine mixed with acetochlor. Sticking with 150 g/ha – the previous standard rate – is still the best value choice for targeting high yields or managing high weed pressure, especially in heavy soils.

Q Which weeds will Sharpen + acetochlor prevent from emerging?

A Control:

- ✓ Black nightshade
- ✓ Broadleaf dock
- ✓ Fathen
- ✓ Willow weed
- ✓ Wireweed

Suppression:

- ✓ Pink shamrock (oxalis)

Q How long will the pre-emergent control last?

A Up to 8 weeks if Sharpen is applied at 150 g/ha, which is usually long enough to protect the emerging crop through to canopy closure. Applying Sharpen at the low end of the rate range will deliver 4 to 6 weeks of residual control, so a follow-up spray is likely to be needed.

Q Can I still use Sharpen for burndown as well?

A Yes. You can apply Sharpen at the burndown rate (25 g/ha) mixed with glyphosate and an adjuvant at or before sowing to control emerged weeds, then follow up with the pre-emergence application immediately after sowing.

Sharpen®

Herbicide

Q What other herbicides can Sharpen be mixed with?

A Sharpen can also be tank-mixed with metolachlor or Frontier* P in preference to acetochlor for pre-emergence control.

Check the manufacturers' recommendations for rates of any tank-mix product.

Q Can I still use atrazine in the program?

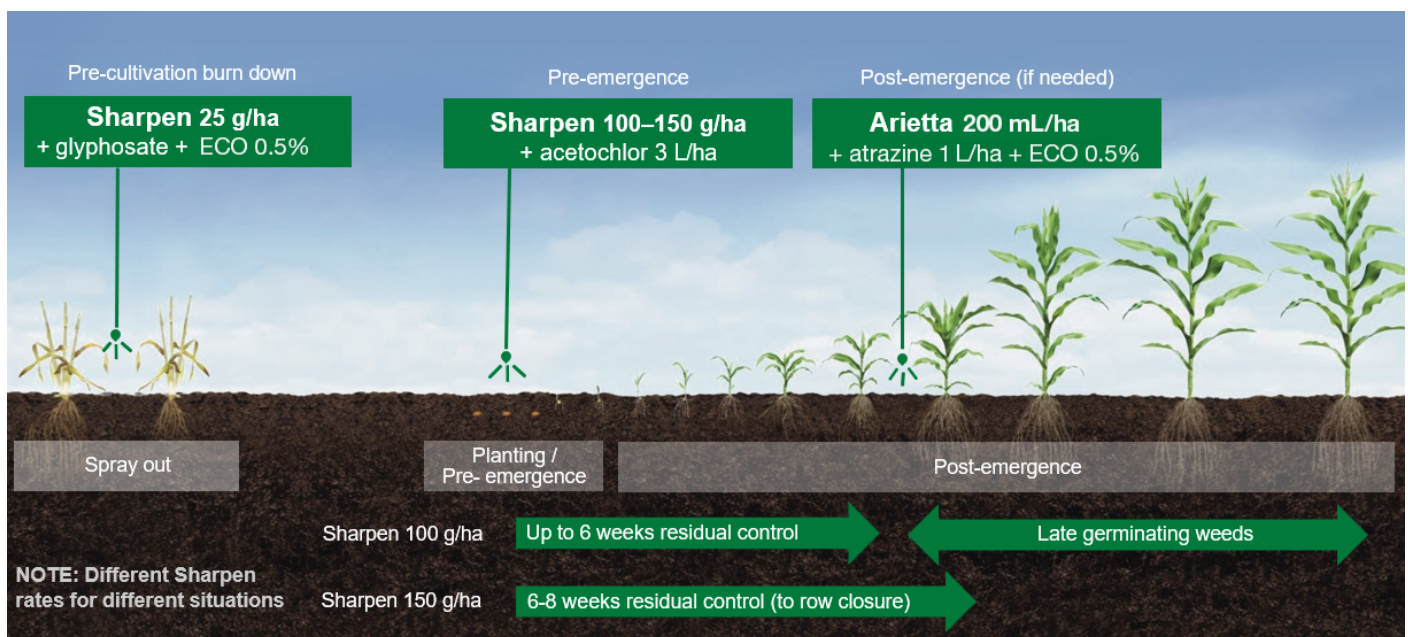
A Yes. Using Sharpen as the main pre-emergent herbicide opens up the opportunity to use atrazine post-emergence. We recommend tank-mixing it with Arietta®, which has a Group 27 mode of action, provides excellent control and is the only herbicide registered to control velvetleaf in maize.

Q How will Sharpen strengthen my resistance management program?

A Adding an extra mode of action to the rotation obviously means that there will be less use of – and less reliance on – the other modes of action that are already at high risk of meeting resistance. A more robust spray program will reduce the number of escapes. It is those weeds which survive exposure to any mode of action that allow resistance to develop.

The suggested program below incorporates 5 different modes of action, which allows you to control a broad spectrum of weeds alongside utilizing numerous MoA to strengthen your resistance management program.

Suggested tank-mixes and application timings



* ECO - esterified canola oil

Do not apply Sharpen more than twice per season.



Scan the QR code to find out more about **Sharpen Herbicide** or call **0800 558 399**.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS.

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