

Sharpen®

Powered by **Kixor®** Herbicide

Sharpen® Herbicide for Burndown Applications

Benefits of Sharpen Herbicide

Powered by Kixor® herbicide Technology

- Control of the toughest broadleaf weeds
- Excellent tool for managing winter annuals including glyphosate-resistant marestail

Speed of Control

- Three to five times faster burndown than 2,4-D ester or glyphosate

Flexible

- Broad-spectrum broadleaf weed control
- Crop rotation flexibility the following year
- Compatible with residual herbicide partners

37 Days After Treatment



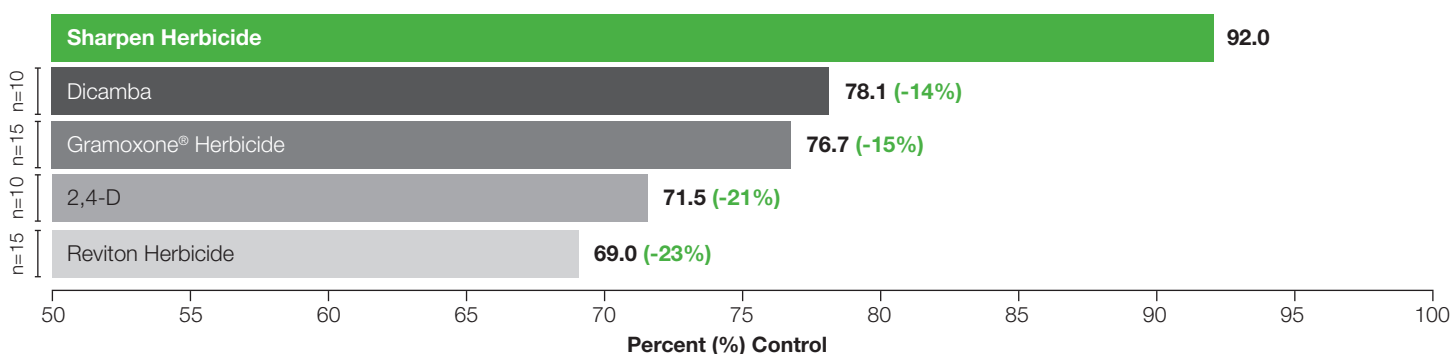
**Reviton® Herbicide 1 fl oz
+ MSO (1% v/v) and AMS
(8.5 lbs/100 gal)**



**Sharpen Herbicide 1 fl oz
+ MSO (1% v/v) and AMS
(8.5 lbs/100 gal)**

BASF Photos. Penn State Agronomy Research Farm, Rock Springs PA. John Wallace and Dwight Lingenfelter. Application A: 4/26/21. Pictures taken: 37 DAT 6/9/21.

Marestail Control – 21 Days After Treatment (2021–2023 National Data Summary)



2021-2023 BASF sponsored replicated research trials. Where "n=10" locations include: IL (2), IN, KY (2), MD, MI, MO, PA (2). Where "n=15" locations include: GA (2), IL (3), IN (3), LA, MO, NC, NE, OH (2), PA. Marestail were 3 to 6 inches tall at time of application and all treatments had MSO (1% v/v) + AMS (8.5 lbs/100 gal) and were applied with 15 GPA water.

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Technical Information Bulletin

Best Use Recommendations

Application Requirements

- Adjuvants: MSO (1 gal/100 gal or minimum 1 pint/A) + AMS (8.5 –17 lbs/100 gal)
- 15 GPA carrier volume for optimum coverage
- Rainfast in 1 hour
- Weeds must be actively growing; multiple nights below freezing will reduce burndown activity
- For residual control of small seeded broadleaves and grasses, tank mix* with Zidua® SC herbicide

*Before mixing components, always conduct a compatibility jar test. Always consult respective product labels for specific mixing instructions. The most restrictive label applies.

Application Recommendations

Standard:

Sharpen® Herbicide (1 fl oz/A)	+	glyphosate
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Residual:

Sharpen Herbicide (1 fl oz/A)	+	Zidua SC Herbicide + glyphosate
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Enhanced:

Sharpen Herbicide (1 fl oz/A)	+	glyphosate + 2,4-D
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Benefits of Burndown Applications with Sharpen Herbicide

- Controls small-seeded broadleaf weeds like Palmer amaranth, waterhemp, and marestail after crop harvest (i.e. fallow wheat fields)
- Terminate cover crops or control emerged weeds in fallow fields to provide a clean seed bed at planting in the spring or fall

Cover Crop Burndown and Weed Control – 7 DAT



Untreated



Roundup PowerMax® 3 Herbicide



Sharpen Herbicide +
Roundup PowerMax 3 Herbicide

2024 BASF sponsored replicated research. Location: Rock Springs, PA. Application rates: Sharpen herbicide 1 fl oz/A, Roundup PowerMax 3 herbicide 30 fl oz/A. All treatments included MSO (1% v/v) + AMS (8.5 lbs/100 gal). Photos taken by Shawn Beam, BASF Tech Service Rep.

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Ask your retailer about Sharpen herbicide today. To learn more, visit SharpenHerbicide.com.

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