

Sharpen®

Powered by **Kixor®** Herbicide

Grow Smart™
with BASF

Broadleaf Weed Control for Dry Field Pea, Lentil and Chickpea

Benefits of Sharpen® Herbicide

Powered by Kixor® Herbicide Technology

- Control of the toughest broadleaf weeds
- Excellent management tool for winter annuals including mustard species and prickly lettuce

Fast and Effective

- 3 to 5 times faster than 2,4-D or glyphosate
- Effective control of broadleaf weeds

Flexible

- Preplant and preemergence application timings
- Plant any crop the following spring
- Compatible with residual herbicide partners

Prickly Lettuce Control



Glyphosate



Sharpen Herbicide + Glyphosate

Montana State University Field Trial, 2010. 7 DAT. Sharpen herbicide applied at 1 fl oz/A. Glyphosate applied at 22 fl oz/A. Prickly lettuce burndown application.

Sharpen herbicide delivers 21st century solutions to 21st century farmers.

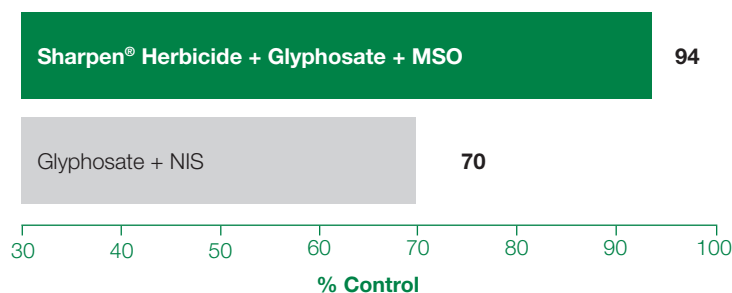


Technical Information Bulletin

 **BASF**
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Prickly Lettuce Control

78 Days After Treatment



Montana State University Field Trial, 2011. Prickly lettuce control. Sharpen herbicide applied at 1 fl oz/A. Glyphosate applied at 22 fl oz/A.

Key Broadleaf Weeds Controlled by a Burndown Application of Sharpen Herbicide

- Bedstraw
- Common mallow
- Dandelion
- Horseweed (marestail)
- Kochia
- Mustard (black, wild, tumble)
- Narrowleaf hawksbeard
- Prickly lettuce
- Russian thistle
- Wild buckwheat



Best Use Recommendations

Dry Field Pea and Chickpea Recommendations

- Sharpen herbicide (1–2 fl oz/A) + glyphosate

Sharpen Herbicide + PPO/Group 14*

- Dry field pea: Sharpen herbicide (1 fl oz/A) + PPO/Group 14 applied preplant/preemergence
- Chickpea: Sharpen herbicide (1–2 fl oz/A) + PPO/Group 14 applied preplant/preemergence

Lentil Recommendations

- Sharpen herbicide (0.75 fl oz/A) + glyphosate
- **DO NOT** apply to Spanish Brown varieties

Application Timing**

- Preplant
- Preemergence

Application Requirements

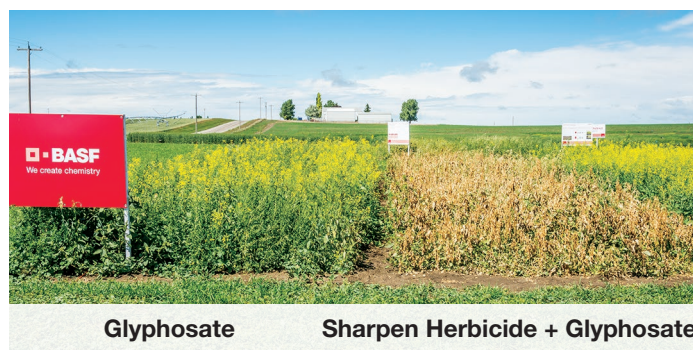
- Adjuvant: MSO (1 gal/100 gals or minimum 1 pint/A) + AMS (8.5 to 17 lbs/100 gals)
- 15 GPA carrier volume recommended for optimum burndown performance
- Rainfast in 1 hour

*For use in Idaho, Montana, North Dakota, Oregon, South Dakota, and Washington only.

**Sharpen herbicide must be applied prior to crop emergence or severe injury will occur.

Sharpen Herbicide Speed of Kill

Demo 48h after Application



BASF Research Farm, Lethbridge, AB. Sharpen herbicide demo. Sharpen herbicide applied at 1 fl oz/A. Glyphosate applied at 22 fl oz/A.

Sharpen®

Powered by **Kixor®** Herbicide

Always read and follow label directions.

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