

Supplemental Label

Sharpen®

Powered by **Kixor®** Herbicide

For use in processing sweet corn

This supplemental label expires September 30, 2019, and must not be used or distributed after this date.

Active Ingredient:

saflufenacil: N'-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-3,6-dihydro-1(2H)-pyrimidinyl)benzoyl]-N-isopropyl-N-methylsulfamide..... 29.74%

Other Ingredients:..... 70.26%

Total: 100.00%

Contains 2.85 pounds active ingredient saflufenacil per gallon formulated as a water-based suspension concentrate

EPA Reg. No. 7969-278

CAUTION/PRECAUCION

Directions For Use

- It is a violation of federal law to use this product in a manner inconsistent with its labeling.
- The supplemental labeling and the entire **Sharpen® herbicide** container label, EPA Reg. No. 7969-278, must be in possession of the user at the time of application.
- Read the label affixed to the container for **Sharpen** before applying.
- Use of **Sharpen** according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for **Sharpen**.

Use Information

Sharpen may be applied preplant surface, preplant incorporated, or preemergence in processing sweet corn varieties only (not including fresh market varieties). Before applying **Sharpen** to processing sweet corn, verify the selectivity of **Sharpen** on your hybrid with your local seed company (supplier) to help avoid potential injury to sensitive hybrids.

Application Rate

Sharpen can be applied as part of a planned sequential (two-pass) weed control program. **Sharpen** use rates applied as the residual component of a planned sequential (two-pass) program (see table below) will provide control or suppression of listed weeds (refer to **Table 2** in the product container label for list of weeds controlled).

Residual Preemergence Rates of Sharpen in a Planned Sequential Program^{1,2} in Processing Sweet Corn

Soil Texture ³	Rate by Soil Texture (fl ozs/A)
Coarse	2.0 (DO NOT apply on coarse soils with ≤ 3% organic matter)
Medium	2.0
Fine	2.0

¹ Apply in tank mixture with **Outlook® herbicide** at labelled rates for processing sweet corn.

² Application rates in this table will eliminate early season weed interference until cultivation or a labeled postemergence herbicide is applied.

³ Refer to **Table 3** in product container label for definition of soil texture groups.

Application Timings

Preplant Surface and Preplant Incorporated Application (up to 14 days before planting)

Sharpen® herbicide can be applied at use rates specified in the table above to the soil surface or incorporated up to 14 days before planting on all soil types. For preplant incorporated applications, apply **Sharpen** and incorporate into the upper soil surface (1 to 2 inches). Use a harrow, rolling cultivator, field cultivator, or other implement capable of providing uniform shallow incorporation. Avoid deeper incorporation or reduced weed control may result.

Preemergence Surface Application

Apply **Sharpen** at use rates specified in the table above as a broadcast treatment to the soil surface after planting and before crop emergence. **Sharpen** must be applied before crop emergence or injury will occur.

Burndown plus Residual Weed Control

In addition to residual weed control obtained at any of the application timings described above, **Sharpen** also provides burndown of emerged broadleaf weeds (refer to **Table 1** in the product container label). An adjuvant system (refer to **Additives** section in the product container label for details) is required for optimum burndown activity. Burndown control of emerged grass weeds or additional broadleaf weeds not listed on the label will require a tank mix with another herbicide (such as glyphosate).

Burndown Weed Control Only

If limited or no residual broadleaf weed control is desired, **Sharpen** can be applied at 1.0 fl ozs/A (all soil types) with an adjuvant system any time before corn emergence to provide burndown of broadleaf weeds (refer to **Table 1** in the product container label). A burndown application of **Sharpen** can be followed by residual rates of **Sharpen** (see table) or **Verdict® herbicide**. Separate sequential applications by at least 14 days. However, **DO NOT** exceed the cropping seasonal maximum cumulative amount per acre of saflufenacil from all product sources per cropping season.

Crop-specific Restrictions

- **DO NOT** apply **Sharpen** after corn emergence or severe crop injury will occur.
- **DO NOT** apply **Sharpen** at greater than 1.0 fl oz/A where an at-planting application of an organophosphate (OP) or carbamate insecticide(s) is planned and/or has occurred because severe injury may result.

EXCEPTION: Sharpen may be applied when **Aztec® 2.1% Granular Insecticide, AZTEC® 4.67 G granular insecticide, Fortress® 5G granular insecticide, or SmartChoice™ 5G granular insecticide** is applied at planting as a BAND, T-BAND, or IN-FURROW. **Sharpen** may be applied with all other classes of at-planting insecticides including neonicotinoids and pyrethroids.

- **DO NOT** apply more than a maximum cumulative amount of 0.134 lb of saflufenacil per acre from all product sources per cropping season.
- **DO NOT** apply more than a maximum cumulative amount of 6.0 fl ozs/A of **Sharpen** per cropping season.
- There is no required (preharvest) interval between a preplant surface, preplant incorporated, or preemergence application of **Sharpen** and the harvest of sweet corn ears. Sweet corn forage, stover, and cannery waste may be fed to livestock after harvest.
- Sweet corn forage and silage can be harvested, fed, or grazed 80 or more days after application.

Crop-specific Precautions

- **Sharpen** use may result in delayed corn emergence and stunting under certain environmental conditions including cool temperatures, excessive rainfall/irrigation, and/or persistent wet soil conditions occurring after application.
- Ensure the corn seed row is closed. Soil conditions that cause poor seed furrow closure and coverage may result in delayed corn emergence or stunting.
- **Sharpen** applied to processing sweet corn planted at depth of 1/2 inch or less may result in crop injury.

Tank Mixes

Sharpen may be tank mixed or applied sequentially with one or more of, but not limited to, the following herbicide products:

- **Clarity® herbicide**
- **Outlook® herbicide**
- **Verdict**
- **Zidua® herbicide**
- glyphosate (e.g. **Roundup® herbicide**)

NOTE: Refer to tank mix product labels to confirm the respective tank mix products are registered for use on specific corn types; not all corn products are registered for use on processing sweet corn.

It is the pesticide user's responsibility to ensure that all products in the mixtures are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

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007969-00278.20160526.NVA 2016-04-322-0129
Based on: NVA 2016-04-322-0125

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