

7969-278

10/19/2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Craig Kleppe, Ph.D.
BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

OCT 19 2011

Subject: Supplemental Labels for: *(1) Additional Weeds Controlled and Spot Treatment Application; and (2) Enhanced Burndown Weed Control in Soybeans*
Product Name: SHARPEN Powered by KIXOR HERBICIDE
EPA Reg. No : 7969-278
Application Dated: July 22, 2011

Dear Dr. Kleppe:

The supplemental labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

At your next label printing, or within eighteen (18) months of the date of this letter, whichever comes first, you must incorporate this supplemental labeling into the main product labeling. Stamped copies of your labels are enclosed for your records.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kathryn V. Montague".

Kathryn V. Montague
Product Manager 23
Herbicide Branch
Registration Division (7505P)

ACCEPTED
OCT 19 2011
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 7969-278

Group 14 Herbicide

Supplemental Label



Additional weeds controlled and spot treatment application

This supplemental label expires October 1, 2014, 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

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**.

weeds. Refer to **Table 1** in the product container label for list of weeds controlled and sizes. Spray thoroughly to wet the weed foliage, but not to the point of runoff.

To maximize performance, refer to **Additives** section in the product container label for recommended adjuvant and rate to add to the spray mix.

Each spray mix is equivalent to applying **Sharpen** at 2.0 fl ozs/A in a spray volume of 100 gallons per acre. Application of a spot spray mix should not be made to an equivalent area less than what is shown in the chart or exceed the equivalent broadcast rate of 2.0 fl ozs/A.

Spot treatments may be applied via an ATV-mounted (all-terrain vehicle-mounted) or tractor-mounted sprayer equipped for low-pressure hand wand application. **DO NOT** apply spot treatments using high-pressure hand wand.

Additional Weeds Controlled

Sharpen will control the following weeds to a maximum height of six inches with a burndown application made as a uniform broadcast spray, banded, or as a spot treatment.

- Parthenium *Parthenium hysterophorus*
- Narrowleaf hawksbeard *Crepis tectorum*
- Poison hemlock *Conium maculatum*

Spot Treatment Application

Sharpen may be applied as a spot treatment to emerged broadleaf weeds.

Consult the following chart for the amount of **Sharpen** used to make various gallons of spray mix for spot treatments applied to actively growing broadleaf

Gallons Spray Mix	Spray Mix Treatment Area (sq ft)	Sharpen (fl oz)
1	436	0.02
5	2,178	0.1
10	4,356	0.2
25	10,890	0.5
50	21,780	1.0

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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BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709



Supplemental Label



Amended use directions for enhanced burndown weed control in soybean

This supplemental label expires October 1, 2014, 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

Directions For Use

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Use Information

Sharpen may be applied in the spring as a burndown application in reduced-till or no-till soybeans for broadleaf weed control; refer to the product container label for list of weeds controlled. An adjuvant system (refer to **Additives** section in the product container label for details) is required for optimum burndown activity.

Enhanced Burndown

Apply **Sharpen** early preplant at 1.0, 1.5, or 2.0 fl ozs/A for enhanced burndown broadleaf weed control.

Soybean Planting Interval

Depending on **Sharpen** use rate, soil texture and organic matter, an interval between **Sharpen** application and planting may be required (see chart below). This interval must be observed prior to planting soybean or crop injury may occur.

Minimum Preplant Interval (days) Required between Sharpen Application and Soybean Planting		
Sharpen Use Rate (fl ozs/A)	Soil Texture ¹	
	Coarse Soils with ≤ 2.0% Organic Matter	All Other Soils
1.0	30	0
1.5	30	14
2.0	44	30

¹ Refer to **Table 3** in product container label for definition of soil texture groups.

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Crop-specific Restrictions and Limitations

- **DO NOT** apply more than a maximum cumulative amount of 4.0 fl ozs/A of **Sharpen® herbicide** (0.089 lb ai/A of saflufenacil) per cropping season. Sequential applications **MUST** be separated by at least 30 days.
- **DO NOT** apply more than a maximum cumulative amount of 0.089 lb ai/A of saflufenacil per cropping season in soybean from all product sources.
- **DO NOT** apply **Sharpen** when soybean has reached the cracking stage or after emergence or severe crop injury will occur.
- **DO NOT** apply **Sharpen** within 30 days of planting where an at-planting application of an organophosphate or carbamate insecticide(s) is planned and/or has occurred because severe injury may result.
- Ensure the seed row is sufficiently covered with soil to avoid washing and concentration of the herbicide in the seed zone.
- Always use the most restrictive preplant interval of all inclusive herbicides when applying **Sharpen** as part of a tank mix.
- Soybean forage may be fed or grazed 65 or more days after application.
- **DO NOT** apply **Sharpen** at greater than 1.5 fl ozs/A with other products containing **Group 14/Group E** herbicides (such as sulfentrazone or flumioxazin) as a tank mix or a sequential spring application within 30 days of planting because crop injury may result.
- When applying **Sharpen** at 2.0 fl ozs/A in a sequential spring application with other products containing **Group 14/Group E** herbicides, separate applications by at least 44 days.
- **Group 14/Group E** herbicides labeled for postemergence application in soybean may be used 14 days or more after soybean emergence.

Tank Mixtures

Broad-spectrum burndown control of grass weeds and/or additional broadleaf weeds will usually require a tank mix with a herbicide such as glyphosate. **Sharpen** may be tank mixed with or applied sequentially with one or more of, but not limited to, the following herbicide products:

- **Clarity® herbicide**
- **OpTill™ herbicide**
- **Verdict™ herbicide**
- glyphosate (e.g. **Roundup® herbicide**)

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