Supplemental Label

For broadleaf weed control in grasses grown for seed production

This supplemental label expires August 31, 2017, 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.

Use Information

Sharpen may be applied for broadleaf weed control (refer to Table 1 and Table 2 on the product container label for list of weeds controlled) in perennial cool-season and warm-season grasses grown in fields for seed production.

Before applying Sharpen to grasses grown for seed production, verify the selectivity of Sharpen on your variety with your local seed company (supplier) to help avoid potential injury to sensitive varieties.

Application Timings and Rates

Sharpen may be applied to new establishment seedling fields and to established fields (stands defined as planted in the fall, spring, or summer that have gone through a first cutting/mowing) of perennial cool-season and warm-season grasses grown for seed production.

Sharpen may cause transitory injury to seed grasses (leaf necrosis) under certain conditions, but new growth is normal and vigor is not reduced. Disease, extremely cold weather, drought, extensive frost heaving, low or high pH, salinity, and other environmental pressures may weaken grass stands and make the crop more susceptible to herbicidal injury.
Cool-season Grasses

New Establishment
Seedling Grass Seed Fields
Apply Sharpen® herbicide at 1.0 to 2.0 fl ozs/A as a broadcast burndown spray to emerged broadleaf weeds in new establishment seedling grass fields after the first tiller of the grass is fully established in the fall or spring. If the seedling grass field was established in the fall, Sharpen® may also be applied sequentially in the spring before greenup as a burndown spray. A maximum of two applications may be applied. Applications must be separated by at least 14 days; DO NOT apply more than 2.0 fl ozs/A of Sharpen during this period.

Established Grass Seed Fields
Apply Sharpen® at 1.0 to 2.0 fl ozs/A as a broadcast postemergence spray to control emerged broadleaf weeds anytime in season (i.e. actively growing grass in the spring after greenup until 1 week before boot stage).

Sharpen® may be applied as a single application or sequentially in season. A maximum of two applications may be applied. Sequential applications must be separated by at least 14 days; DO NOT apply more than 2.0 fl ozs/A of Sharpen® in season.

Sequential Applications in Grass Seed Fields
Sharpen® may be applied as a sequential or split program where the initial application(s) are made during the period after a fully established first tiller in the fall until spring greenup, and the subsequent application(s) are made postemergence in season.

Specific Adjuvant Requirements for Burndown and Postemergence Applications
For optimum postemergence control of emerged broadleaf weeds, the following adjuvant is required for use with Sharpen®:

- Methylated seed oil (MSO) at 1% volume/volume (v/v)

Warm-season Grasses

New Establishment
Seedling Grass Seed Fields
Apply Sharpen® at 1.0 to 2.0 fl ozs/A as a broadcast burndown spray to emerged broadleaf weeds in new establishment seedling grass fields after the first rhizome or stolon of the grass is fully established. A sequential application of Sharpen® may be made until 1 week before boot stage. A maximum of two applications may be applied. Applications must be separated by at least 14 days; DO NOT apply more than 2.0 fl ozs/A of Sharpen® during this period.

Established Grass Seed Fields
Apply Sharpen® at 1.0 to 2.0 fl ozs/A as a broadcast postemergence spray to control emerged broadleaf weeds anytime in season (i.e. actively growing grass in the spring after greenup until 1 week before boot stage).

Sharpen® may be applied as a single application or sequentially in season. A maximum of two applications may be applied. Sequential applications must be separated by at least 14 days; DO NOT apply more than 2.0 fl ozs/A of Sharpen® in season.

Postemergence applications require the addition of an adjuvant system (see adjuvant section below).

Specific Adjuvant Requirements for Burndown and Postemergence Applications
For optimum postemergence control of emerged broadleaf weeds, the following adjuvant is required for use with Sharpen®:

- MSO at 1% v/v

DO NOT add nitrogen-containing fertilizers when applying Sharpen® to seedling or established stands of warm-season grasses.
Cool-season and Warm-season Grasses

Dormant-season Applications in Established Grass Seed Stands for Burndown and Residual Weed Control

Apply Sharpen® herbicide at 1.0 to 2.0 fl ozs/A as a broadcast burndown spray to emerged broadleaf weeds in the dormant season [i.e. when grasses are not actively growing in the fall (postharvest), during the winter dormancy period, or in the early spring before greenup]. An adjuvant system is required for optimum broadleaf burndown activity (see adjuvant section below).

For additional residual broadleaf weed control in established stands, apply Sharpen anytime in the dormant season (as described above) at rates of 3.0 to 4.0 fl ozs/A.

Specific Adjuvant Requirements for Dormant-season Applications in Cool-season and Warm-season Grasses. For optimum postemergence control of emerged broadleaf weeds, the following adjuvants are required for use with Sharpen:

- MSO at 1% v/v plus ammonium sulfate (AMS) at 8.5 to 17.0 lbs/100 gallons

Crop-specific Restrictions and Limitations

- **DO NOT** apply more than a maximum cumulative amount of 6.0 fl ozs/A of Sharpen per cropping season on established grass seed stands and 4.0 fl ozs/A on seedling grass seed stands.
- In Sharpen-treated fields of both cool-season and warm-season perennial grasses, the preharvest interval for seed is 50 days after application.
- **DO NOT** apply Sharpen to bahiagrass or buffalograss.
- Sharpen-treated grass forage or hay may be grazed by or fed to livestock; there is no preharvest or pregrazing interval.
- The grass straw remaining after seed harvest may be used as livestock bedding and/or grazed by or fed to livestock.
- The grass seed screenings remaining after seed harvest and processing may be fed to livestock.
- Refer to the product container label for crop rotation intervals.

Tank Mixtures

Broad-spectrum control of grasses and/or additional broadleaf weeds will require a tank mix with another herbicide. Read and follow the applicable restrictions and limitations and directions for use on the other product label. The most restrictive labeling applies to tank mixes.

Sharpen may be tank mixed or applied sequentially with other herbicide products, such as but not limited to:

Prowl® H₂O herbicide
Outlook® herbicide
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.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER’S EXCLUSIVE REMEDY AND BASF’S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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.

Kixor, Outlook, Prowl, and Sharpen are registered trademarks of BASF.

© 2014 BASF Corporation
All rights reserved.

007969-00278.20130607b.NVA 2013-04-322-0114

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

The Chemical Company