

7969-278

05/19/2011

1/14



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr. Craig D. Kleppe
BASF Corporation
26 Davis Drive, PO Box 13528
Research Triangle Park, NC 27709

MAY 19 2011

Subject: Amendment to Add Supplemental Labels with Directions for Use as a Harvest Aid/Desiccant on the Following Use Sites: Oilseeds Sunflower Subgroup 20B; Oilseeds Cottonseed Subgroup 20C; Dry Edible Beans; Dry Peas; Soybean; and Oilseed Canola (Rapeseed) Subgroup 20A.
SHARPEN™ Powered by KIXOR Herbicide
EPA Reg. No. 7969-278
Your Submissions, Dated June 24, 2010 and July 23, 2010, as Amended by Email May 17, 2011

Dear Mr. Kleppe:

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

Stamped copies of your supplemental labels are enclosed for your records. You must submit one (1) copy of each final printed label before you release the product for shipment. 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. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Sincerely,

A handwritten signature in black ink, appearing to read "Kathryn V. Montague".

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

Enclosures

ACCEPTED
MAY 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

SHARPEN™
POWERED BY KIXOR® HERBICIDE

For harvest aid/desiccation in crops of oilseeds sunflower subgroup 20B

This supplemental label expires May 20, 2014.

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

Refer to the Sharpen™ herbicide main label, EPA Reg. No. 7969-278, for complete Directions For Use and all applicable restrictions and precautions. When following the instructions on this supplemental label, the user must have this label and the entire Sharpen container label in possession at the time of pesticide application.

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Use Information

Sharpen may be used for harvest aid/desiccation in crops of oilseeds sunflower subgroup 20B including calendula, castor oil plant, Chinese tallowtree, Euphorbia, evening primrose, jojoba, niger seed, rose hip, safflower, Stokes' aster, sunflower, tallowwood, tea oil plant, and Veronica.

Application Information

Application Rates and Timings

Uniformly apply Sharpen at 1.0 to 2.0 fl ozs/A as a broadcast spray over the top of subgroup 20B oilseeds that have reached physiological maturity (seed moisture less than 36% for sunflower; when heads are fully mature for safflower; or according to Extension Service recommendations in the use area for other crops). Allow up to 7 days for optimum desiccation effect depending on environmental conditions.

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Thorough spray coverage and a methylated seed oil (MSO) plus ammonium-based adjuvant system (refer to Additives section on the product container label for details) is required for optimum desiccation activity. Ground application is recommended at a minimum spray volume of 10 gallons per acre. Aerial application is recommended at a minimum spray volume of 5 gallons per acre.

A single application or up to two sequential applications may be made, but the maximum cumulative amount of Sharpen applied must not exceed 4.0 fl ozs/A per cropping season from desiccation uses.

Crop-specific Restrictions and Limitations

- DO NOT apply Sharpen on crops of the oilseeds sunflower subgroup 20B grown for seed production.
- Seed from crops of the oilseeds sunflower subgroup 20B can be harvested 7 or more days after application.
- DO NOT use after multiple minor frosts or single significant frost event.
- Refer to Table 4 on the product container label for rotational crop intervals.

Tank Mixtures

Apply Sharpen with a labeled rate of glyphosate (e.g. Roundup® herbicide) for additional preharvest weed control. Read and follow the applicable restrictions and limitations and directions for use on the glyphosate product label, and to confirm whether glyphosate is labeled for the specific crop to be desiccated. The most restrictive labeling applies to tank mixes.

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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ACCEPTED
MAY 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

SHARPEN™
POWERED BY KIXOR® HERBICIDE

For harvest aid/desiccation and defoliation in oilseeds cottonseed subgroup 20C

This supplemental label expires May 20, 2014.

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

Refer to the Sharpen™ herbicide main label, EPA Reg. No. 7969-278, for complete Directions For Use and all applicable restrictions and precautions. When following the instructions on this supplemental label, the user must have this label and the entire Sharpen container label in possession at the time of pesticide application.

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Use Information

Sharpen may be used for harvest aid/desiccation and defoliation in cotton (cottonseed), including both spindle pick harvested and stripper harvested cotton.

Application Information

Uniformly apply Sharpen at 0.5 to 2.0 fl ozs/A as a broadcast spray over the top of cotton that has reached physiological maturity (according to the guidelines of local State Agricultural Extension Service such as nodes above cracked boll, accumulated heat units after cutout, or at least 60% to 70% boll opening). Allow up to 10 days for optimum desiccation and defoliation effect depending on environmental conditions.

Apply Sharpen as a broadcast spray application adequate to ensure spray coverage. Ground application is recommended at a minimum spray volume of 10 gallons per acre. Aerial application is recommended at a minimum spray volume of 5 gallons per acre. Large plant size, dense canopy, and environmental conditions not conducive for defoliation may necessitate a second defoliation application 5 to 7 days later.

Thorough spray coverage and a methylated seed oil (MSO) plus ammonium-based adjuvant system (refer to Additives section on the product container label for details) is required for optimum activity.

A single application or sequential applications may be made, but the maximum cumulative amount of Sharpen applied must not exceed 2.0 fl ozs/A per cropping season for defoliation / desiccation uses.

Crop-specific Restrictions and Limitations

- DO NOT apply Sharpen on cotton grown for seed production.
- Cotton can be harvested 5 or more days after application.
- Sharpen treated gin trash may be fed to livestock.
- Refer to Table 4 on the product container label for rotational crop intervals.

Tank Mixtures

Sharpen™ herbicide may be tank mixed with other cotton defoliant products including ethephon (such as **Prep™ brand Ethephon for cotton and tobacco**), ethephon plus AMADS (such as **CottonQuik® cotton harvest aid/defoliant**), ethephon plus cyclanilide (**Finish® 6 Pro harvest aid for cotton**), sodium chlorate, thidiazuron (such as **Dropp® SC cotton defoliant**), thidiazuron plus diuron (such as **Ginstar® EC cotton defoliant**), tribufos (such as **Def® 6 emulsifiable defoliant** or **Folex® 6 EC cotton defoliant**), or glyphosate (e.g. **Roundup® herbicide**). Refer to the other product's label for restrictions on tank mixing, precautions, and rotational restrictions. The most restrictive labeling applies to tank mixes.

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Conditions of Sale and Warranty

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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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The Chemical Company

7/14

ACCEPTED
MAY 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

SHARPEN™
POWERED BY KIXOR® HERBICIDE

For harvest aid/desiccation in dry edible beans

This supplemental label expires May 20, 2014.

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

Refer to the Sharpen™ herbicide main label, EPA Reg. No. 7969-278, for complete Directions For Use and all applicable restrictions and precautions. When following the instructions on this supplemental label, the user must have this label and the entire Sharpen container label in possession at the time of pesticide application.

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Use Information

Sharpen may be used for harvest aid/desiccation in dry edible beans (all *Phaseolus*, *Lupinus* and *Vigna* species, broad bean (fava bean), garbanzo bean (chickpea), guar, lablab bean (hyacinth bean), and lentils).

Application Information

Application Rates and Timings

Uniformly apply Sharpen at 1.0 to 2.0 fl ozs/A as a broadcast spray over the top of dry edible beans that have reached physiological maturity (beans have at least 80% yellow/brown pods and no more than 30% of leaves still green for vine type beans and lentils, and no more than 40% of leaves still green for bush type beans; or according to Extension Service

recommendations in the use area for other crops). Allow up to 7 days for optimum desiccation effect depending on environmental conditions.

Thorough spray coverage and a methylated seed oil (MSO) plus ammonium-based adjuvant system (refer to Additives section on the product container label for details) is required for optimum desiccation activity. Ground application is recommended at a minimum spray volume of 10 gallons per acre. Aerial application is recommended at a minimum spray volume of 5 gallons per acre.

A single application or sequential applications may be made, but the maximum cumulative amount of Sharpen applied must not exceed 2.0 fl ozs/A per cropping season from desiccation uses.

Crop-specific Restrictions and Limitations

- DO NOT apply Sharpen on dry edible beans grown for seed production.
- DO NOT graze or feed desiccation-treated hay or straw to livestock.
- Dry edible beans can be harvested 2 or more days after application.
- Refer to Table 4 on the product container label for rotational crop intervals.

Tank Mixtures

Apply Sharpen with a labeled rate of glyphosate (e.g. Roundup® herbicide) for additional preharvest weed control. Read and follow the applicable restrictions and limitations and directions for use on the glyphosate product label, and to confirm whether glyphosate is labeled for the specific crop to be desiccated. The most restrictive labeling applies to tank mixes.

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Conditions of Sale and Warranty

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9/14

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

Group 14 Herbicide

Supplemental Label

SHARPEN™
POWERED BY KIXOR® HERBICIDE

For harvest aid/desiccation in dry peas

This supplemental label expires May 20, 2014.

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

Refer to the Sharpen™ herbicide main label, EPA Reg. No. 7969-278, for complete Directions For Use and all applicable restrictions and precautions. When following the instructions on this supplemental label, the user must have this label and the entire Sharpen container label in possession at the time of pesticide application.

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Use Information

Sharpen may be used for harvest aid/desiccation in dry peas (including dry field peas as well as all other *Pisum* species and pigeon pea).

Application Information

Application Rates and Timings

Uniformly apply Sharpen at 1.0 to 2.0 fl ozs/A as a broadcast spray over the top of dry peas that have reached physiological maturity (peas with at least 80% yellow/brown pods and no more than 30% of leaves still green for vine type peas and no more than 40% of leaves still green for bush type peas; or according to Extension Service recommendations in the use area for other crops. Allow up to 10 days for optimum desiccation effect depending on environmental conditions.

Thorough spray coverage and a methylated seed oil (MSO) plus ammonium-based adjuvant system (refer to **Additives** section on the product container label for details) is required for optimum desiccation activity. Ground application is recommended at a minimum spray volume of 10 gallons per acre. Aerial application is recommended at a minimum spray volume of 5 gallons per acre.

A single application or sequential applications may be made, but the maximum cumulative amount of Sharpen applied must not exceed 2.0 fl ozs/A per cropping season from desiccation uses.

Crop-specific Restrictions and Limitations

- DO NOT apply Sharpen on dry peas grown for seed production.
- Dry peas can be harvested 3 or more days after application.
- Desiccation-treated pea vines may be grazed or fed to livestock.
- Refer to **Table 4** on the product container label for rotational crop intervals.

Tank Mixtures

Apply Sharpen with a labeled rate of glyphosate (e.g. Roundup® herbicide) for additional preharvest weed control. Read and follow the applicable restrictions and limitations and directions for use on the glyphosate product label, and to confirm whether glyphosate is labeled for the specific crop to be desiccated. The most restrictive labeling applies to tank mixes.

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Conditions of Sale and Warranty

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ACCEPTED

MAY 19 2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide

7969-278

Group 14 Herbicide

Supplemental Label



For harvest aid/desiccation in soybean

This supplemental label expires May 20, 2014.

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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It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Use Information

Sharpen may be used for harvest aid/desiccation in soybean.

Application Information

Application Rates and Timings

Uniformly apply Sharpen at 1.0 to 2.0 fl ozs/A as a broadcast spray over the top of soybeans that have reached physiological maturity (all pods and seeds have no more green color).

- **Indeterminate Varieties** – Greater than 65% brown pods and greater than 70% leaf drop or when seed moisture is 30% or less.
- **Determinate Varieties** – Beans are fully developed, greater than 50% leaf drop, and remaining leaves are yellowing.

Allow up to 10 days for optimum desiccation effect depending on environmental conditions.

Apply Sharpen as a broadcast spray application adequate to ensure spray coverage. Ground application is recommended at a minimum spray volume of 10 gallons per acre. Aerial application is recommended at a minimum spray volume of 5 gallons per acre.

Thorough spray coverage and a methylated seed oil (MSO) plus ammonium-based adjuvant system (refer to Additives section on the product container label for details) is required for optimum desiccation activity.

A single application or sequential applications may be made, but the maximum cumulative amount of Sharpen applied must not exceed 2.0 fl ozs/A per cropping season from desiccation uses.

Crop-specific Restrictions and Limitations

- **DO NOT** apply Sharpen on soybean grown for seed production.
- Soybean seed can be harvested 3 or more days after application.
- **DO NOT** graze or feed desiccation-treated hay or straw to livestock.
- Refer to **Table 4** on the product container label for rotational crop intervals.

Tank Mixtures

Apply Sharpen with a labeled rate of glyphosate (e.g. Roundup® herbicide) for additional preharvest weed control. Read and follow the applicable restrictions and limitations and directions for use on the glyphosate product label. The most restrictive labeling applies to tank mixes.



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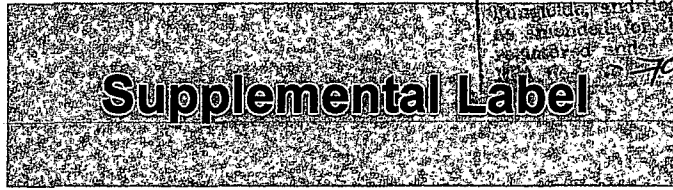
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ACCEPTED
MAY 19 2011

Group 14 Herbicide



Under the Federal Insecticide, Fungicide, and Herbicide Act, as amended, for the pesticides listed on the label.



For harvest aid/desiccation in crops of oilseed canola (rapeseed) subgroup 20A

This supplemental label expires May 20, 2014.

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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It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Use Information

Sharpen may be used for harvest aid/desiccation in crops of the oilseed canola (rapeseed) subgroup 20A including borage, crambe, cuphea, Echium, flax, gold-of-pleasure (Camelina), hare's ear mustard, Juncea, lesquerella, lunaria, meadowfoam, milkweed, mustard seed, oil radish, poppy seed, rapeseed (canola), sesame, and sweet rocket.

Application Information

Application Rates and Timings

Uniformly apply Sharpen at 1.0 to 2.0 fl ozs/A as a broadcast spray over the top of crops of the oilseed canola (rapeseed) subgroup 20A that have reached physiological maturity (70% to 80% bolls turn to brown for flax; seeds in the middle pods have started to turn in color for canola (rapeseed), Juncea, and mustard; or according to Extension Service recommendations in

the use area for other crops). Allow up to 7 days for optimum desiccation effect depending on environmental conditions.

Thorough spray coverage and a methylated seed oil (MSO) plus ammonium-based adjuvant system (refer to Additives section on the product container label for details) is required for optimum desiccation activity. Ground application is recommended at a minimum spray volume of 10 gallons per acre. Aerial application is recommended at a minimum spray volume of 5 gallons per acre.

A single application or sequential applications may be made, but the maximum cumulative amount of Sharpen applied must not exceed 2.0 fl ozs/A per cropping season from desiccation uses.

Crop-specific Restrictions and Limitations

- DO NOT apply Sharpen on crops of the oilseed canola (rapeseed) subgroup 20A grown for seed production.
- Seed from crops of the oilseed canola (rapeseed) subgroup 20A can be harvested 3 or more days after application.
- Refer to Table 4 on the product container label for rotational crop intervals.

Tank Mixtures

Apply Sharpen with a labeled rate of glyphosate (e.g. Roundup® herbicide) for additional preharvest weed control. Read and follow the applicable restrictions and limitations and directions for use on the glyphosate product label, and to confirm whether glyphosate is labeled for the specific crop to be desiccated. The most restrictive labeling applies to tank mixes.

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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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