



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Kimberly Gilbert
Regulatory Leader
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

NOV 26 2007

RE: To change by notification the use direction for postemergences control of annual broadleaf weeds in sorghum (grain and forage) on this supplement label are taken directly from the EPA accepted copy of the main label dated September 21, 2006
EPA Registration Number: 62719-557
Date of Submission: October 17, 2007

Dear Ms. Gilbert:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated October 17, 2007, for the product Dow AgroSciences/Starane™ NXT. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
 Washington, DC 20460

| | |
|-------------------------------------|--------------|
| <input type="checkbox"/> | Registration |
| <input type="checkbox"/> | Amendment |
| <input checked="" type="checkbox"/> | Other |

OPP Identifier Number

Application for Pesticide - Section I

| | | |
|--|--|--|
| 1. Company/Product Number Dow AgroSciences/62719-557 | 2. EPA Product Manager Jim Tompkins | 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name) Dow AgroSciences/Starane® NXT | PM# 25 | |
| 5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____ | |

Section - II

| | |
|--|--|
| <input type="checkbox"/> Amendment - Explain below. | <input type="checkbox"/> Final printed labels in response to Agency letter dated _____ |
| <input type="checkbox"/> Resubmission in response to Agency letter dated _____ | <input type="checkbox"/> "Me Too" Application. |
| <input checked="" type="checkbox"/> Notification - Explain below. | <input type="checkbox"/> Other - Explain below. |

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Changes by notification: The use directions for postemergence control of annual broadleaf weeds in sorghum (grain and forage) on this supplemental label are taken directly from the EPA-accepted copy of the main label dated September 21, 2006.

Section - III

| | | | | | |
|---|---|--|--------------------------------------|---|----------------------------------|
| 1. Material This Product Will Be Packaged In: | | | | 2. Type of Container | |
| Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No | Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No | Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No | | <input type="checkbox"/> Metal | <input type="checkbox"/> Plastic |
| | | | | <input type="checkbox"/> Glass | <input type="checkbox"/> Paper |
| * Certification must be submitted | If "Yes" Unit Packaging wgt. | No. per container | If "Yes" Package wgt | Other (Specify) _____ | |
| 3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container | | 4. Size(s) Retail Container | | 5. Location of Label Directions <input type="checkbox"/> | |
| 6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled | | | <input type="checkbox"/> Other _____ | | |

Section - IV

| | | |
|---|--------------------------------|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.) | | |
| Name Kimberly Gilbert | Title Regulatory Manager | Telephone No. (Include Area Code) (317) 337-4685 |
| Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law. | | 6. Date Application Received (Stamped) |
| 2. Signature | 3. Title Regulatory Manager | |
| 4. Typed Name Kimberly Gilbert ©Trademark of Dow AgroSciences LLC | 5. Date October 17, 2007 | |

R9A / Starane NXT / Sec 3 Suppl Sorghum / 10-17-07
file: R052-008 Starane NXT Sec 3 Sorghum 17Oct07N.doc

Starane[®] NXT

EPA Reg. No. 62719-557

Registration Notes:

Source section 3 supplemental labeling for postemergence control of annual broadleaf weeds in Sorghum (Grain and Forage) based on EPA accepted label dated September 21, 2006.

Changes by notification:

1. The use directions for postemergence control of annual broadleaf weeds in sorghum (grain and forage) on this supplemental label are taken directly from the EPA-accepted copy of the main label dated September 21, 2006.

[®] Trademark of Dow AgroSciences LLC

Starane
NXT
EPA Reg. No. 62719-557
Sorghum (Grain and Forage)
Postemergence Control of Annual Broadleaf Weeds
September 21, 2006

4/7

Supplemental Labeling



Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268-1054 USA

Starane[®] NXT

EPA Reg. No. 62719-557

For Postemergence Control of Annual Broadleaf Weeds In Sorghum (Grain and Forage)

(For Distribution and Use in the States of Colorado, Kansas and Nebraska)

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Starane[®] NXT herbicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Starane NXT according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Starane NXT.

Directions for Use

Starane[®] NXT herbicide is recommended for selective control of annual broadleaf weeds in grain and forage sorghum.

Sorghum (grain and forage)

Apply Starane NXT to sorghum (grain and forage) at the application rates and timings shown in the table below.

| Application Rate | Crop Stage | Weeds |
|--|---|---|
| 14 to 21 fl oz / Acre | Apply from prior to planting to just prior to crop emergence | Refer to the application rate and weeds controlled table for sorghum. |
| 14 fl oz / Acre | Apply from 3-leaf stage through the 7-leaf stage | |
| 21 fl oz / Acre | Apply from 4-leaf stage through the 7-leaf stage | |
| 21 fl oz / Acre (Drop nozzle application) | Apply from 8-leaf stage to prior to the boot stage using drop nozzles | |

Weeds Controlled

| Weed species ¹ | 14 fl oz / Acre | | 21 fl oz / Acre ³ | |
|---------------------------|-----------------|---------------------------|------------------------------|---------------------------|
| | Max. Leaf Stage | Max. Weed Height (inches) | Max. Leaf Stage | Max. Weed Height (inches) |
| buckwheat, wild | 4 | 6 | 6 | 8 |
| buffalobur | 4 | 2 | 6 | 4 |
| burcucumber | - | - | 4 | 4 |
| cocklebur, common | 6 | 8 | 8 | 10 |

| | | | | |
|-------------------------|---|---|---|-------------|
| hemp dogbane | - | - | - | - |
| hemp sesbania | - | - | 4 | 4 |
| jimsonweed | 4 | 4 | 6 | 6 |
| kochia ² | - | 2 | - | 4-8 |
| ladysthumb | 4 | 4 | 6 | 6 |
| lambsquarters, common | - | 6 | - | 8 |
| lettuce, prickly | - | - | - | 4 |
| mallow, Venice | - | - | 8 | 4 |
| morningglory, ivyleaf | 3 | 3 | 6 | 6-8 |
| morningglory, pitted | 3 | 3 | 6 | 6-8 |
| morningglory, tall | 3 | 3 | 6 | 6-8 |
| mustard, wild | - | - | 4 | 4 |
| nightshade, black | 6 | 6 | 6 | 6 |
| nightshade, E. black | 6 | 6 | 6 | 6 |
| pigweed, redroot | - | - | 4 | 2 |
| pigweed, spiny | - | - | 4 | 2 |
| puncturevine | - | - | - | 6 inch vine |
| purslane, common | - | - | - | 4-8 |
| ragweed, common | 6 | 4 | 8 | 6 |
| ragweed, giant | 6 | 4 | 6 | 6 |
| smartweed, Pennsylvania | 4 | 4 | 6 | 6 |
| sunflower | 4 | 6 | 6 | 8 |
| velvetleaf | 4 | 3 | 6 | 5 |
| waterhemp, tall | - | - | 4 | 2 |

Weeds Suppressed

| Weed species | 14 fl oz / Acre | | 21 fl oz / Acre ³ | |
|-----------------------|------------------------------|---------------------------|------------------------------|---------------------------|
| | Max. Leaf Stage ¹ | Max. Weed Height (inches) | Max. Leaf Stage ¹ | Max. Weed Height (inches) |
| bindweed, field | - | - | - | 6 inch vines |
| devilsclaw | - | - | 6 | 4-6 |
| horseweed (marestail) | - | - | - | 4-8 |
| mallow, common | - | - | 8 | 4 |
| marshelder | 6 | 4 | 6 | 6 |
| thistle, Russian | - | - | 4 | 2 |

¹ When determining leaf stage, count all leaves except cotyledons.

² Includes herbicide tolerant or resistant biotypes.

³ Do not apply more than 0.375 lb a.i. of bromoxynil/A per season (21 fl oz per acre of Starane NXT per season) to sorghum.

Restrictions and Precautions: Sorghum (Grain and Forage)

- Starane NXT does not control grasses. Therefore, it is recommended that a suitable grass control program be used to provide any required grass control.
- Addition of a spray additive or mixture with liquid fertilizers may cause excessive crop leaf burn.
- Do not cut crop for feed, fodder or graze within 45 days of application.
- Do not harvest for grain within 45 days of application.

- Do not plant non-labeled rotational crops within 120 days following application.
- Do not apply more than 0.375 lb a.i. of bromoxynil/A per season (21 fl oz per acre of Starane NXT per season) to sorghum.
- Postemergence application prior to the 3 leaf growth stage of sorghum may result in increased crop leaf burn.
- Special care should be taken when using Starane NXT and Banvel, Clarity, or 2,4-D tank mixtures to avoid off target drift to sensitive crops.
- Tank mixtures with 2,4-D and Banvel can cause stalk brittleness to sorghum. Winds or cultivation may cause breakage while crop is brittle.
- Follow all restrictions and precautions on the label of all products used in tank mixture with Starane NXT.
- Do not apply Starane NXT at any rate to sorghum after the preboot stage of growth (growth stage 4) as severe crop injury, including loss of crop yield may result.

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R052-008
EPA accepted 09/21/06
Initial printing.

