

10 25 1994

Mr. John J. Wrubel
American Cyanamid Co.
P.O. Box 400
Princeton, NJ 08543

Dear Mr. Wrubel:

Subject: Supplemental Labeling- Use on Wheat & Barley
ASSERT® Herbicide
EPA Reg. No. 241-285
Your submission dated Oct. 5, 1994

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable and a stamped copy is enclosed for your records.

Sincerely yours,

Robert J. Taylor
Product Manager 25
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

EPA Reg. No. 241-285

FOR USE IN WHEAT AND BARLEY

FOR DISTRIBUTION AND USE IN TEXAS AND OKLAHOMA

OBSERVE ALL PRECAUTIONARY STATEMENTS AND LIMITATIONS ON THE ASSERT LABEL AND ON TANK MIX PARTNER LABELS. FOLLOW THE MOST RESTRICTIVE USE PRECAUTIONS, OR DIRECTIONS FOR APPLICATION THAT APPEAR ON ANY PRODUCT LABEL.

SEE THE ASSERT LEAFLET LABEL FOR USE DIRECTIONS INCLUDING GENERAL INFORMATION, MIXING AND APPLICATION INSTRUCTIONS, USES WITH OTHER PRODUCTS, ROTATIONAL CROP RESTRICTIONS, AND DISCLAIMER STATEMENTS.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This label must be in the possession of the user at the time of pesticide application. DO NOT apply this product through any type of irrigation system.

This label expires September 30, 1995.

See the ASSERT leaflet label for use directions. Additional instructions are given below.

GENERAL INFORMATION

ASSERT is a selective herbicide for the postemergence control of wild oats and wild mustard in wheat and barley. Apply ASSERT postemergence to wheat (including durum) and barley from the 2 leaf stage of the crop, but before development of the first internode (jointing). DO NOT apply ASSERT when freezing temperatures have occurred or are forecast. Allow at least 2 days of non-freezing temperatures before and after ASSERT application or reduced weed control may occur.

Proper timing of ASSERT application is critical for effective weed control. Grazing wheat or barley prior to treatment can result in improper staging of wild oat populations which, in turn, can result in poor or erratic weed control. Grazing wheat or barley prior to ASSERT application is not recommended.

Wild oats will be controlled when treated in the 1 to 4 true leaf stage. Wild mustard will be controlled when treated in the rosette stage prior to bloom.

If unfavorable growing conditions exist, ASSERT may cause slight discoloration and delayed growth of durum wheat. The crop will recover under normal growing conditions and yields will not be affected.

ASSERT alone or in combination can be applied by ground equipment or aircraft.

Maximum weed control with ASSERT alone or in combination is obtained when temperature, moisture, fertility and cultural practices provide favorable conditions for active plant growth. **FOR HIGH POPULATIONS OF WILD OATS (IN EXCESS OF 25 PLANTS PER SQUARE FOOT), USE A MINIMUM SPRAY VOLUME OF 15 GALLONS PER ACRE BY GROUND OR 5 GALLONS PER ACRE BY AERIAL APPLICATION. THOROUGH UNIFORM SPRAY COVERAGE IS REQUIRED TO MAXIMIZE WEED CONTROL.**

ASSERT rapidly inhibits growth of susceptible weeds; however, typical symptoms (discoloration) of dying weeds may not be noticeable until 2-4 weeks after application. Weeds hardened by cold weather or drought stress may not be fully controlled and regrowth may occur; increase spray solution (gallons per acre) and surfactant under these conditions.

MIXING INSTRUCTIONS

A NON-IONIC SURFACTANT CONTAINING AT LEAST 80% ACTIVE INGREDIENT MUST BE USED WITH ASSERT HERBICIDE. See the ASSERT leaflet label for mixing instructions and applications with liquid fertilizers.

REGISTERED
WITH THE E.P.A.
BY EPA Reg. No. 241-285

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Under the Federal Insecticide, Fungicide, and Rodenticide Act (see other side)

as amended, and the pesticide registration under EPA Reg. No.

241-285

Crop oil can be added to an ASSERT application at a rate of 1.5 to 2.0 gallons per acre. Do not add crop oil to the tank unless the crop oil includes a non-ionic surfactant (NIS) to the tank, unless the crop oil includes a NIS at a concentration which will give a final spray solution concentration of at least 0.25% NIS.

DO NOT use a surfactant that also acts as a buffering agent, or ASSERT may precipitate. If a precipitate forms due to incompatible tank-mix partners, contact your Cyanamid representative. If test of clean water supply indicates that a precipitate forms due to highly-buffered alkaline or hard water, precondition your water with sodium bisulfate. Contact your Cyanamid representative for instructions.

SPRAYING INSTRUCTIONS

Refer to the ASSERT leaflet label for equipment application instructions.

Uniformly apply the recommended ASSERT or ASSERT tank mixture in 8 or more gallons of water per acre with ground equipment or in 5 or more gallons of water per acre by aircraft. **FOR HIGH POPULATIONS OF WILD OATS (IN EXCESS OF 25 PLANTS PER SQUARE FOOT), USE A MINIMUM SPRAY VOLUME OF 15 GALLONS PER ACRE BY GROUND OR 5 GALLONS PER ACRE BY AERIAL APPLICATION. THOROUGH UNIFORM SPRAY COVERAGE IS REQUIRED TO MAXIMIZE WEED CONTROL.**

Avoid overlapping, and shut off spray booms while starting, turning, slowing or stopping, or injury to the crop or a rotational crop could result. **DO NOT** allow spray to drift onto adjacent crops as injury may occur. For optimum weed control, ASSERT must absorb into plant leaves for 3 hours prior to overhead irrigation or rainfall.

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PE-13074 REV. 2 9/21/94 SD

DO NOT apply ASSERT when freezing temperatures have occurred or are expected. Reduced weed control may occur.

For optimum weed control under cool conditions, it is recommended to apply ASSERT using the following additional instructions:

1. Use a minimum spray volume of 15 gallons per acre by ground or 5 gallons per acre by aerial application.
2. Use non-ionic surfactant plus crop oil concentrate.

IMPORTANT

DO NOT make more than one application of ASSERT per growing season. **DO NOT** graze treated fields or cut treated forage for silage or hay. Wheat and barley straw may be fed or used for bedding.

FOLLOW CROP RESTRICTIONS

See ASSERT leaflet label for follow crop restrictions.

WEEDS CONTROLLED

| | |
|--------------|---------------------------|
| Wild oats | (<i>Avena fatua</i>) |
| Wild mustard | (<i>Brassica kaber</i>) |

TIMING AND RATES OF APPLICATION

For wild oat control apply ASSERT at 1.5 pints per acre when the wild oats are in the 1-4 true leaf stage.

For optimum control of wild mustard apply ASSERT at 1.5 pints per acre when mustard plants are in the rosette stage (1-6 leaves) and prior to bloom.

Refer to the ASSERT leaflet label for instructions for broad-leaf herbicides which may be tank mixed with ASSERT to obtain maximum wild oat and broadleaf control.

For additional information regarding the use of ASSERT herbicide, call telephone number (800) 942-0500.



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