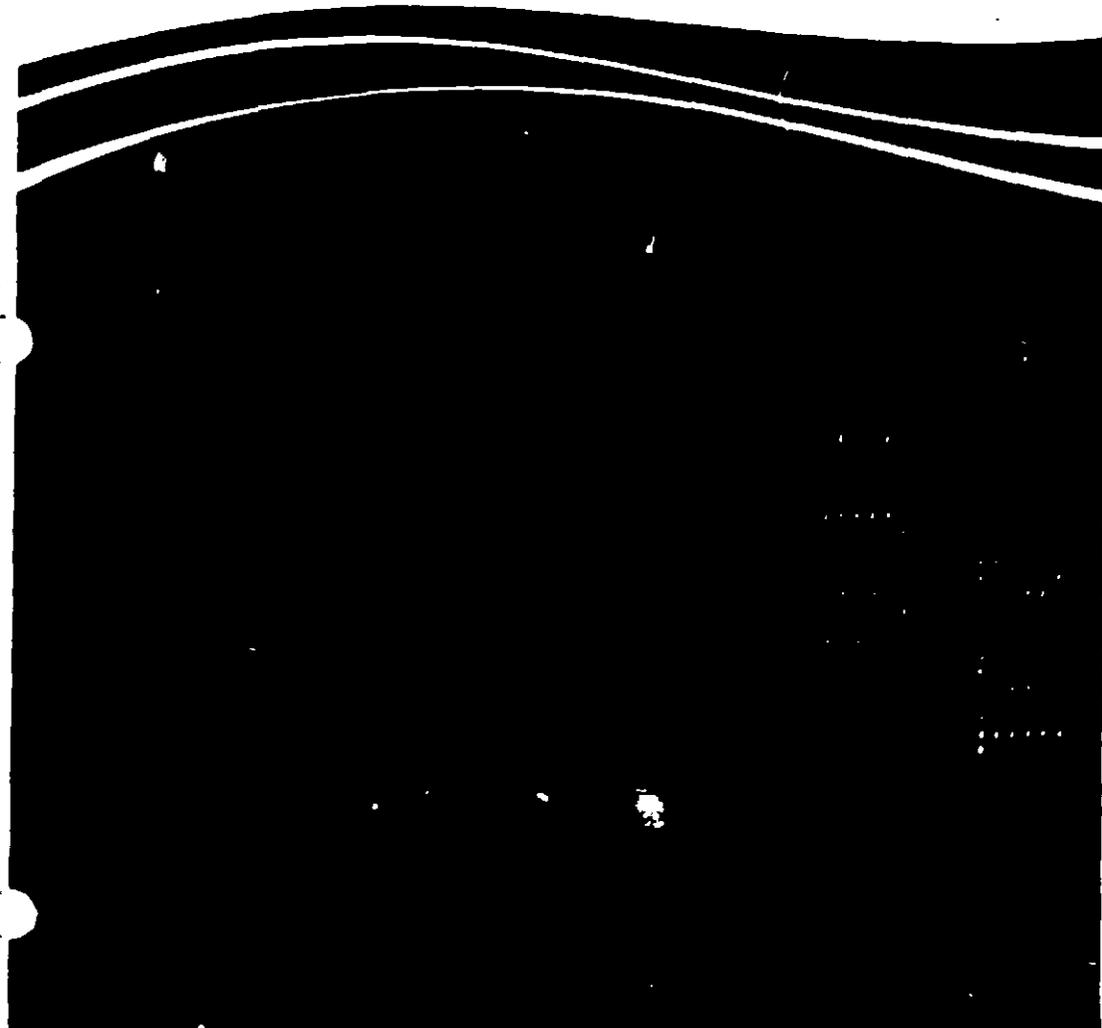


ASSERT

herbicide



PM 25 241-285

1075

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes Irreversible Eye Damage. Danger! Do not get in eyes. Wear goggles and gloves when handling. Avoid contact with skin and clothing. Avoid breathing vapor or spray mist. Use with adequate ventilation. Wash thoroughly after handling with soap and water. Remove contaminated clothing and wash separately from noncontaminated clothes before reuse.

ENVIRONMENTAL HAZARDS

DO NOT apply directly to any body of water or wetlands. DO NOT contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

ASSERT should be used only in accordance with recommendations on this label.

Do Not apply this product through any type of irrigation system. Observe all cautions and limitations on this label and on the labels of products used in combination with ASSERT. American Cyanamid Company will not be responsible for losses or damages resulting from the use of this product in any manner not specifically recommended by American Cyanamid. User assumes all risks associated with such non-recommended use. Keep container closed to avoid spills and contamination.

STORAGE AND DISPOSAL

Keep from freezing. DO NOT STORE BELOW 40°F (5°C). Ice will form in the container at 32°F (-1°C). If ice occurs from prolonged storage at temperatures of 5°F (-15°C) or below, place container at room temperature until ice melts. Stability of ASSERT is not affected by freezing and thawing.

DO NOT contaminate water, food or feed by storage or disposal. DO NOT mix or store in unlabeled or lined containers.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Use the following information to determine if you are eligible for a refund. See the label for details. EPA Reg. 241-285

GENERAL INFORMATION

Use of ASSERT herbicide in accordance with label directions is expected to result in normal growth of rotational crops in most situations; however, various environmental and agronomic factors make it impossible to eliminate all risks associated with the use of this product and, therefore, rotational crop injury is always possible.

EQUIPMENT APPLICATION INSTRUCTIONS

The spray equipment must be clean and properly calibrated before treatments are applied. For best results, use flat fan nozzles, and a pressure of 20 to 40 psi to achieve uniform spray distribution and minimize drift. A drift retardant agent may be added to the tank if needed. DO NOT use flood jet nozzles. Keep the by-pass line on or near the bottom of the tank to minimize foaming.

During aerial applications, a flagman should be located at each end of the field, or attach an automatic mechanical flagging unit to the aircraft to ensure uniform application. Do not overlap spray.

MIXING INSTRUCTIONS

A NON-IONIC SURFACTANT CONTAINING AT LEAST 80% ACTIVE INGREDIENT MUST BE USED WITH ASSERT HERBICIDE.

ADD clean water to the spray tank one-half to three quarters full.

When using ASSERT alone, add ASSERT to the partially filled tank while agitating. When ASSERT is thoroughly mixed add the surfactant to the tank at a rate of 2 pints surfactant per 100 gallons of spray solution. Fill the remainder of tank with clean water while continuing agitation.

Crop oil can be added to an ASSERT application at a rate of 2 pints (1 quart) per acre of spray solution. A non-ionic surfactant plus crop oil is acceptable in tank mix with an ASSERT application.

When tank mixing ASSERT with a labeled tank mix partner, first fill the spray tank two thirds full with clean water. Add the partner herbicide to the spray tank first while agitating the solution. When the herbicide solution is thoroughly mixed, add ASSERT to the tank. An anti-foaming agent may be added if necessary. After the ASSERT and tank mix partners are thoroughly mixed, add the non-ionic surfactant at a rate of 2 pints per 100 gallons spray solution. Finally, crop oil and/or drift retardant should be added last. Complete filling the tank with water while continuing agitation. Maintain continuous agitation until spraying is completed.

APPLICATIONS WITH LIQUID FERTILIZERS

GENERAL

ASSERT can be applied with even-phosphorus liquid fertilizer such as 26-0-0. Non-phosphorus liquid fertilizers can be applied with ASSERT alone or in combination with MCPA ester, 2,4-D ester, or Bromoxynil-MCPA ester (Banane) to wheat and barley. Follow all ASSERT label recommendations regarding timing of application, special instructions and precautions. Apply the ASSERT/non-phosphorus liquid fertilizer combination with a minimum of 5 gallons of spray solution per acre via aircraft or a minimum of 8 gallons per acre with ground equipment.

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| RATES* AND TIMING FOR WEED CONTROL IN WHEAT AND BARLEY | | | | | |
|--|------------------------|----------------|---------|----------------|------------------|
| WEED | Application Leaf Stage | STATES | | | |
| | | MN, ND, and SD | MT & WY | So ID, CO & UT | WA, OR, & No. ID |
| pints/acre | | | | | |
| GRASSES: | | | | | |
| WILD OATS | 1-4 | 10-12 | 12-15 | 13-15 | 15 ² |
| Roughstalk bluegrass | 1-4 | 12 | 15 | 15 | 15 |
| BROADLEAVES: | | | | | |
| Wild mustard | | | | | |
| London rocket | | | | | |
| Field pennycress | | | | | |
| Flaxweed | | | | | |
| Tansymustard | | | | | |
| Catchweed bedstra | | | | | |
| Tartary buckwheat ¹ | | | | | |
| Wild buckwheat ¹ | | | | | |

ACCEPTED
 APR - 3 1991
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 241-285

- * When two or more weed species are present, use the recommended rate to control the more difficult to control weed. When a rate range is possible, use the higher rate when weed density is high and/or weeds are large.
- ¹ In Northern Idaho a rate of 1 to 1.5 pints/acre of ASSERT may be applied to spring wheat or barley growing under favorable conditions.
- ² When ASSERT is applied to the 3 leaf stage, plants stop growing, resulting in a non-competitive plant.

HERBICIDE COMBINATIONS:

Mixtures of ASSERT and one or more of the following broadleaf herbicides may be tank mixed to obtain maximum wild oat and broadleaf control:

- | | |
|---|----------------------------|
| MCPA ester | 2,4-D ester |
| Bromoxynil + MCPA ester (Bronate ²) | Curtail M ³ |
| Glean ⁴ | Ally ⁵ |
| Harmony ⁶ | Harmony Extra ⁷ |
| Express ⁸ | Finesse ⁹ |

NOTE: Follow the most restrictive precautions, directions and re-cropping rotation limitations that appear on the respective product labels. Tank mixtures must be applied prior to the development of the first internode (jointing) of the crop.

DO NOT tank-mix ASSERT with 2,4-D ester unless the crop is fully tillered. DO NOT tank-mix ASSERT with Barvel¹, any product containing dicamba¹, MCPA amine, or 2,4-D amine formulations. A waiting period of 4 days should be observed before applying any herbicide not listed as a tank mix partner.

ASSERT herbicide may be tank mixed with AVENGE[®] wild oat herbicide for the control of wild oats only. This combination may be used in the following states: Idaho, Oregon, Utah and Washington. Follow all varietal restrictions present on the AVENGE label. ASSERT should be mixed at a rate of 3/4 pints per acre with AVENGE at 2 pints per acre. This mixture can be applied from the 2-5 leaf stage of wild oats. DO NOT apply this tank-mix when the wheat/barley flagleaf is exposed. The tank mix should be applied in 8 or more gallons of water per acre (gpa) by ground equipment and in 5 or more gpa by aircraft. Use a surfactant of at least 80% active ingredient at a rate of 2 pints per 100 gallons spray solution (0.25%) up to an application rate of 10 gpa. For application rates greater than 10 gpa consult the SURFACTANT ADDITION TABLE on the AVENGE label for surfactant requirements.

DISCLAIMER

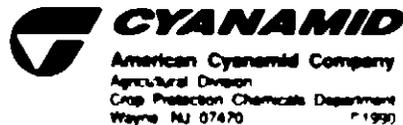
The label instructions for the use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use or application of the product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above.

Any damages arising from breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

American Cyanamid Company makes no other express or implied warranty, including other express or implied warranty of FITNESS or of MERCHANTABILITY.

- ¹ Registered Trademark of American Cyanamid Company
- ² MCPA ester, 2,4-D ester, and Bromoxynil + MCPA ester are sold under various brand names.
- ³ Bronate is a trademark of Rhone-Poulenc.
- ⁴ Glean, Ally, Harmony, Harmony Extra, and Finesse are trademarks of E. I. Du Pont de Nemours and Co., Inc.
- ⁵ Curtail M is a trademark of The Dow/ELANCO Chemical Company.
- ⁶ Barvel is a trademark of Sandoz Crop Protection Corp.
- ⁷ Dicamba is an active ingredient of various herbicides sold under various brand names.



INTEG[™] is protected by the following Patents: U.S.A. 4,744,151; 4,680,090; 4,592,572; 4,675,062; Canada 422,793; and others.

ASSERT
herbicide

**KEEP OUT OF REACH OF CHILDREN
DANGER! PELIGRO!**

STATEMENT OF PRACTICAL TREATMENT

- If in eyes: hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.
- If swallowed: drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. Get medical attention.
- If on skin: wash thoroughly with soap and water. Get medical attention if irritation persists.
- Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

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STORAGE AND DISPOSAL

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See Disclaimer Inside Leaflet Label.

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3. Bedding in preparation for planting of potatoes should be done in the spring.

The following rotational crops may be planted the season after applying a tank mix application of ASSERT plus AVENGE at recommended rates on wheat and barley in all counties.

| | | | |
|---------|------------|-------------|-----------|
| Barley | Corn | Edible Bean | Safflower |
| Soybean | Sunflowers | Wheat | |

For other follow crops, follow instructions on the ASSERT leaflet label.

If ASSERT is used on a field treated during the same year with Ally¹, Express¹, Finesse¹, Glean¹, Harmony¹, or Harmony Extra¹, follow the most restrictive precautions, directions and recropping/rotation limitations that appear on the respective product labels.

Excessive moisture, drought, and/or cold temperatures may affect the performance of this tank mix as well as the residual effect on rotational crops.

DO NOT plant rotational crops in spray overlap areas, as follow crop injury may occur. The end user assumes all risks and consequences resulting from sprayer overlaps from ground and aerial applications.

¹Ally, Express, Finesse, Glean, Harmony and Harmony Extra are trademarks of E.I. duPont de Nemours and Co., Inc.
²Registered Trademark of American Cyanamid Company
PB-0449 12/9/91 SD

