

ASSERT®

herbicide

**Supplemental
Labeling****ACCEPTED**

AUG 25 1997

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

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**FOR USE IN WHEAT AND BARLEY
FOR USE IN CALIFORNIA**

**ASSERT HERBICIDE
FOR THE CONTROL OF WILD OATS**

OBSERVE ALL PRECAUTIONARY STATEMENTS AND LIMITATIONS ON THE ASSERT LEAFLET LABEL AND ON BROADLEAF TANK MIX PARTNER LABELS. FOLLOW THE MOST RESTRICTIVE USE PRECAUTIONS, DIRECTIONS, AND RECROPPING/ROTATIONAL GUIDELINES THAT APPEAR ON ANY PRODUCT LABEL.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **DO NOT** apply this product through any type of irrigation system.

Consult the ASSERT leaflet label for tank mix application instructions. **DO NOT** tank mix ASSERT with any product not registered in specific states of intended use.

This label must be in the possession of the user at the time of herbicide application. Review label just prior to follow crop planting.

TIMING AND RATE 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.

Refer to the ASSERT leaflet label for instructions for broadleaf herbicides which may be tank mixed with ASSERT to obtain maximum wild oat control. **DO NOT** tank mix ASSERT with any product not registered in specific states of intended use.

ASSERT is a selective herbicide for the postemergence control of wild oats 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.

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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.

MIXING INSTRUCTIONS

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

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.

HOW TO USE ASSERT PLUS SUN-IT II¹ spray adjuvant or other crop oil in wheat and barley: SUN-IT II spray adjuvant* may be used instead of a non-ionic surfactant or instead of a non-ionic surfactant plus crop oil in tank mix with an ASSERT application. When using a crop oil, or petroleum or vegetable-based crop oil (eg. methylated seed oil, ethylated seed oil) as an adjuvant, it is required to also add an approved non-ionic surfactant (NIS) to the tank unless the adjuvant contains a NIS at a concentration which will give a final spray concentration of at least 0.25% NIS.

Use SUN-IT II at the rate of 1.5 to 2.0 pints per acre. Use the higher rate when weeds are at the maximum label size or under stress. SUN-IT II is recommended when weeds are under moisture or temperature stress. When using ASSERT with a non-phosphorous liquid fertilizer, follow instructions on the ASSERT label for the compatibility test of SUN-IT II. When tank mixing ASSERT with a labeled herbicide tank mix partner, determine whether SUN-IT II spray adjuvant (crop oil) is approved on that tank mix partner label.

* **DO NOT** tank mix ASSERT with any product not registered in specific states of intended use.

ASSERT[®]/AVENGE[®] tank mix for wild oat control

ASSERT herbicide may be tank mixed with AVENGE wild oat herbicide for the control of wild oats only. 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 true 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 a minimum of 10 gallons of water per acre (gpa) by ground equipment. **FOR WILD OAT POPULATIONS IN EXCESS OF 25 PLANTS PER SQUARE FOOT, USE A MINIMUM SPRAY VOLUME OF 15 GALLONS PER ACRE BY GROUND.** Use a non-ionic surfactant containing at least 80% active ingredient at a rate of 2 pints per 100 gallons spray solution up to an application rate of 15 gpa. For application rates greater than 15 gpa consult the SURFACTANT ADDITION TABLE below for surfactant requirements.

SURFACTANT ADDITION TABLE

Gallons Per Acre	Surfactant Required Per 100 Gallons (pints)
10	0
15	2
20	4

ROTATIONAL CROP GUIDELINE

This label is for use ONLY in CALIFORNIA.

The following rotational crops may be planted the season after applying ASSERT at the recommended rate: (Applying earlier than the recommended interval may result in crop injury.)

1. Season after application:

Barley	Corn	Edible Beans	Safflower
Soybean	Sunflowers	Wheat	

2. 18 months after application:

Alfalfa
Potatoes

3. 40 months after application:

All crops not listed elsewhere in this ROTATIONAL CROP GUIDELINE**

**Following forty months after an ASSERT application, and before planting any crop not listed elsewhere in the ROTATIONAL CROP GUIDELINE, a successful field bioassay must be completed. The field bioassay consists of a test strip of the intended rotational crop planted across the previously treated field and grown to maturity. The test strip should include low areas and knolls, and include variations in soil such as type and pH. If no crop injury is evident in the test strip, the intended rotational crop may be planted the following year.

If ASSERT is used on a field treated during the same year with another herbicide with an ALS-inhibiting mode of action (such as Glean²), follow the most restrictive precautions, directions and recropping/rotation limitations that appear on the respective product labels.

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.

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 applications.

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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 bypass line on or near the bottom of the tank to minimize foaming.

Uniformly apply the recommended ASSERT or ASSERT tank mixture in a minimum of 10 gallons of water per acre with ground equipment. **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. DO NOT APPLY BY AIR.**

See your local Cyanamid representative for more information.



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¹ SUN-IT II is a trademark of AGSCO, Inc.

² Glean is a trademark of E.I. duPont de Nemours and Company, Inc.