

PM 23

241-321

10/14/97

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Ms. Janet M. Overholt  
 American Cyanamid Company  
 Agricultural Research Division  
 P.O. Box 400  
 Princeton, NJ 08543-0400

Dear Ms. Overholt

SUBJECT: Label Amendment Revising Environmental Hazards, Sequential Applications, and Rotational Crop Restrictions; and Incorporating Supplemental Labeling Scepter O.T. Herbicide  
 EPA Registration No. 241-321  
 Your Application Dated September 12, 1997

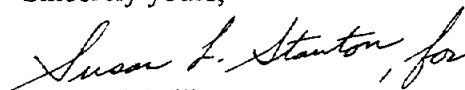
The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you:

- 1. Revise the ground water advisory statement under Environmental Hazards to read as follows:

"This product contains acifluorfen and imazaquin. Residues of acifluorfen have been found in ground water as a result of agricultural use; and imazaquin demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this product in areas where soils are permeable, such as sand and soils with loamy sand textures, particularly where the water table is shallow, may result in ground water contamination."

A stamped copy of the labeling is enclosed for your records. Submit one copy of your final printed labeling before you release the product for shipment.

Sincerely yours,



Joanne I. Miller  
 Product Manager (23)  
 Herbicide Branch  
 Registration Division (7505C)

Enclosure

RD:STANTON:PM Team 23:Rm. 237:CM-2:305-5218:Disk #6:S530405.LET

CONCURRENCES

|           |              |  |  |  |  |  |  |  |
|-----------|--------------|--|--|--|--|--|--|--|
| SYMBOL ▶  | 7505C        |  |  |  |  |  |  |  |
| SURNAME ▶ | S. Stanton   |  |  |  |  |  |  |  |
| DATE ▶    | Oct 14, 1997 |  |  |  |  |  |  |  |

OCT 14 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
241-321

**SCEPTER® O.T.® herbicide**  
**FOR USE IN SOYBEANS**

**ACTIVE INGREDIENTS:**

|  |         |
|--|---------|
| Sodium salt of imazaquin (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-quinolinecarboxylic acid)* ..... | 5.61%   |
| Sodium salt of acifluorfen: Sodium 5-(2-chloro-4-(trifluoromethyl) phenoxy-2-nitrobenzoate) .....                              | 20.93%  |
| INERT INGREDIENTS .....  | 73.46%  |
| TOTAL .....  | 100.00% |

\* Equivalent to 5.24%, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-quinolinecarboxylic acid.

SCEPTER O.T. contains 2.5 pounds of active ingredients per gallon (0.5 pounds active ingredient of imazaquin and 2.0 pounds active ingredient of acifluorfen per gallon).

U.S. Patent No. 4,798,619  
EPA Reg. No. 241-321

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER! ; PELIGRO!**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

**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:** DO NOT induce vomiting. 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 with plenty of soap and water. Get medical attention.
- IF INHALED:** Remove victim to fresh air.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

In case of emergency endangering life or property involving this product, call collect, day or night, Area Code 973-683-3100.

**See Next Page For Additional Precautionary Statements.**

AMERICAN CYANAMID COMPANY  
NORTH AMERICA AGRICULTURAL PRODUCTS DIVISION  
CROP PROTECTION PRODUCTS DEPARTMENT  
PARSIPPANY, NJ 07054 ©1997

Net Contents:

®Registered Trademark of American Cyanamid Company

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
DANGER!**

**CAUSES IRREVERSIBLE EYE DAMAGE  
HARMFUL IF SWALLOWED,  
ABSORBED THROUGH  
THE SKIN, OR INHALED**

DO NOT get in eyes or on clothing. Avoid contact with skin. Avoid breathing vapor or spray mist.

**Personal Protective Equipment (PPE):**

Applicators and other handlers must wear:

- \* Long-sleeved shirt and long pants
- \* Waterproof gloves
- \* Shoes plus socks
- \* Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations:**

Users should:

- \* Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- \* Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. **DO NOT** apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. **DO NOT** clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

**DIRECTIONS FOR USE**

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 herbicide application.

Observe all cautions and limitations in this leaflet. The use of SCEPTER O.T. not consistent with this label can result in injury to crops, animals, or persons. Keep container closed to avoid spills and contamination.

DO NOT apply this product through any type of irrigation system.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- \* Coveralls
- \* Waterproof gloves
- \* Shoes plus socks
- \* Protective eyewear

**STORAGE AND DISPOSAL**

**STORAGE:** KEEP FROM FREEZING. DO NOT STORE BELOW 32°F. SHAKE WELL BEFORE USING.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. DO NOT contaminate water, food, or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticides 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.

**DISCLAIMER**

The label instructions for the use of this product reflect the opinion of experts based on research and field use. 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, herbicide resistant weed populations, or the use of, 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 shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on this label. User assumes all risks associated with the use of this product in any manner not specifically set forth on this label.

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. **CYANAMID DOES NOT MAKE OR AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

**BUYER'S EXCLUSIVE REMEDY AND AMERICAN CYANAMID'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF SCEPTER O.T.** In no case shall Cyanamid or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product.

**USES WITH OTHER PRODUCTS (TANK MIXES)**

If this product is used in combination with any other product except as specifically recommended in writing by American Cyanamid Company, then American Cyanamid Company shall have no liability for any loss, damage, or injury arising out of its use in any such combination not so specifically recommended. If used in a combination recommended by American Cyanamid Company, the liability of American Cyanamid Company shall in no manner extend to any damage, loss or injury not directly caused by the inclusion of the American Cyanamid Company product in such combination use, and in any event shall be limited to return of the amount of the purchase price of the product.

**GENERAL INFORMATION**

SCEPTER O.T. is a selective postemergence herbicide for the control of important broadleaf weeds in soybeans. For best results, apply SCEPTER O.T. to small actively growing weeds.

Naturally occurring biotypes\* of some of the weeds listed on this label may not be effectively controlled by this and/or other products with either the ALS/AHAS enzyme inhibiting mode of action or the protoporphyrinogen oxidase (PROTOX) inhibiting mode of action. Other herbicides with the ALS/AHAS enzyme inhibiting mode of action include the sulfonylureas (e.g., Accent<sup>3</sup>, Basis<sup>3</sup>, Classic<sup>3</sup>, Concert<sup>3</sup>, Exceed<sup>5</sup>, Permit<sup>4</sup>, Pinnacle<sup>3</sup>, etc.), the sulfonamides (e.g., Broadstrike<sup>2</sup>, etc.) and the pyrimidyl benzoates (e.g., Staple<sup>3</sup>, etc.). Herbicides with the inhibition of protoporphyrinogen oxidase (PROTOX) mode of action include other diphenylether herbicides such as STATUS<sup>1</sup>, Blazer<sup>1</sup>, Cobra<sup>6</sup>, Flexstar<sup>7</sup> and Reflex<sup>7</sup>. If naturally occurring biotypes are present in a field which are resistant to one of the herbicides in this premix, SCEPTER O.T. should be tank-mixed or applied sequentially with an appropriate registered herbicide having a different mode of action to ensure control.

\*A weed biotype is a naturally occurring plant within a given species that has a slightly different, but distinct, genetic makeup from other plants.

See your Cyanamid representative for additional information.

**PRECAUTIONS:**

DO NOT use on crops other than soybeans. Crops other than soybeans, such as cotton, corn and vegetables, may be injured by spray drift or other indirect contact with SCEPTER O.T.

To avoid injury to sensitive crops from spray drift, follow all use directions and precautions in SPRAYING INSTRUCTIONS section .

To avoid injury to sensitive crops, spray equipment used for SCEPTER O.T. applications must be drained and thoroughly cleaned with water before being used to apply other products to these crops. See ROTATIONAL CROP RESTRICTIONS section.

DO NOT use SCEPTER O.T. other than in accordance with the instructions set forth on this label.

Use of SCEPTER O.T. 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.

**CULTIVATION**

A timely cultivation may aid in the control of certain weeds or improve general weed control. After postemergence treatments, wait at least 10 days before cultivating.

**BIOLOGICAL ACTIVITY**

When SCEPTER O.T. is applied postemergence, it is absorbed through the foliage and roots (root uptake occurs if adequate moisture is received from rainfall or overhead irrigation). After application, SCEPTER O.T. acts in three ways:

- 1. As a contact herbicide producing rapid necrosis of the plant tissue.
- 2. As a foliar systemic herbicide with movement to the growing points (roots and leaves) of the weed.
- 3. And as a soil residual herbicide with activity on some newly germinating susceptible weeds.

Susceptible weeds treated with SCEPTER O.T. stop growing and rapidly become chlorotic and necrotic, especially at the growing points, and either die or become non-competitive with the crop.

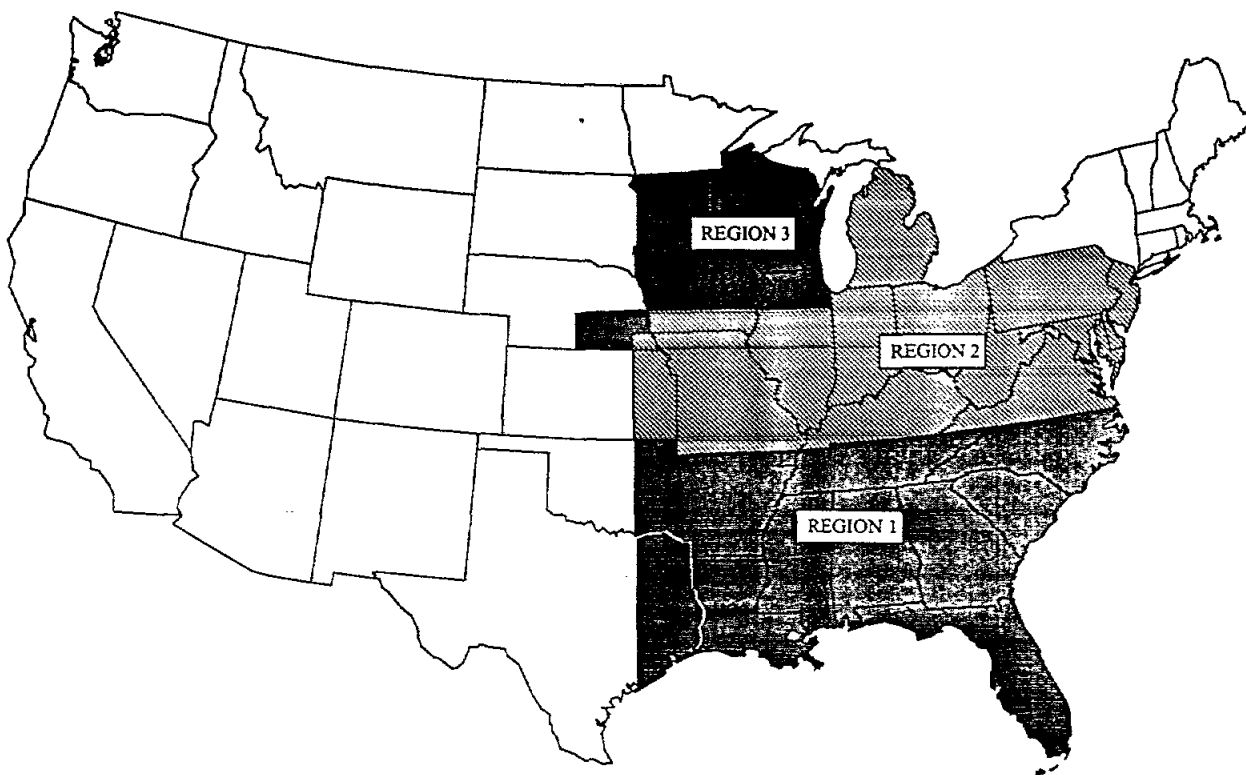
**CROP RESPONSE**

The aciflourfen in SCEPTER O.T. may cause some necrosis, cupping, speckling, and bronzing of soybean leaves. Plants quickly recover without any effect on soybean yields.

There must be an interval of 90 days between the last SCEPTER O.T. application and soybean harvest. **DO NOT** graze or feed treated soybean forage hay or straw to livestock.

## USE AREA

SCEPTER O.T. can be applied only in the states or parts of states shaded in the following map:



Use Region 1 includes eastern Oklahoma (east of I-35), Arkansas, the Missouri bootheel, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, and eastern Texas (east of I-35 north of San Antonio, east of I-37 south of San Antonio).

Use Region 2 includes eastern Kansas (east of U.S. 81; the counties of Cloud, Ellsworth, Harvey, Jewell, Lincoln, Mitchell, McPherson, Ottawa, Republic, Saline, Sedgewick, and Sumner), southeastern Nebraska (east of U.S. 81, south of U.S. 34), Missouri, Illinois (south of S.R. 116 west of Peoria, south of U.S. 24 east of Peoria), Indiana, Ohio, Michigan, Kentucky, Virginia, West Virginia, Pennsylvania, Maryland, Delaware, and New Jersey. Iowa in the counties of Mills, Fremont, Montgomery, Page, Adams, Taylor, Union, Ringgold, Clarke, Decatur, Lucas, Wayne, Monroe, Appanoose, Wapello, Davis, Jefferson, Van Buren, Henry, Lee, and Des Moines.

Use Region 3 includes Nebraska (east of U.S. 81, north of U.S. 34 and also that area east of U.S. 283, south of U.S. 30, and west of U.S. 81), South Dakota (east of U.S. 81), Illinois (north of S.R. 116 west of Peoria; north of U.S. 24 east of Peoria), Wisconsin, Iowa (counties other than those listed in Use Region 2), and Minnesota (south of S.R. 210).

Note: See APPLICATION INSTRUCTIONS, SEQUENTIAL TREATMENTS and ROTATIONAL CROP RESTRICTIONS sections for recommendations applying to each Use Region.

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WEEDS CONTROLLED

| WEEDS                         | WEED HEIGHT (inches)  | MAXIMUM LEAF STAGE |
|-------------------------------|---|--------------------|
| Cocklebur                     | ( <u>Xanthium strumarium</u> ) up to 6 <sup>1</sup>             | 6                  |
| Copperleaf, hophornbeam       | ( <u>Acalypha ostryifolia</u> ) up to 2                         | 2                  |
| Corn <sup>2</sup> , volunteer | ( <u>Zea mays</u> ) up to 8                                     | 4                  |
| Morningglory                  |   |                    |
| Bigroot <sup>3</sup>          | ( <u>Ipomoea pandurata</u> ) --                                 | -                  |
| Entireleaf                    | ( <u>Ipomoea hederacea</u> var. <u>intergriuscula</u> ) up to 2 | 3                  |
| Ivyleaf                       | ( <u>Ipomoea hederacea</u> ) up to 2                            | 3                  |
| Palmleaf                      | ( <u>Ipomoea wrightii</u> ) up to 2                             | 3                  |
| Pitted                        | ( <u>Ipomoea lacunosa</u> ) up to 2                             | 3                  |
| Smallflower                   | ( <u>Jacquemontia tamnifolia</u> ) up to 2                      | 3                  |
| Tall                          | ( <u>Ipomoea purpurea</u> ) up to 2                             | 3                  |
| Pigweed                       |   |                    |
| Redroot                       | ( <u>Amaranthus retroflexus</u> ) up to 6                       | 6                  |
| Smooth pigweed                | ( <u>Amaranthus hybridus</u> ) up to 4                          | 4                  |
| Waterhemp sp. <sup>4</sup>    | ( <u>Amaranthus tuberculatus</u> ) up to 4                      | 4                  |
| Sesbania, hemp                | ( <u>Sesbania exaltata</u> ) up to 12                           | 12                 |
| Sida <sup>5</sup> , prickly   | ( <u>Sida spinosa</u> ) up to 3                                 | 3                  |
| Smartweed, Pennsylvania       | ( <u>Polygonum pennsylvanicum</u> ) up to 2                     | 2                  |
| Sunflower, common             | ( <u>Helianthus annuus</u> ) up to 4                            | 4                  |

<sup>1</sup> SCEPTER O.T. is a product which offers two different modes of action on some weeds including cocklebur. To utilize the benefit of both modes of action, applications should be made to cocklebur which is two inches in height or less.

<sup>2</sup> SCEPTER O.T. will control only those field corn hybrids which DO NOT possess tolerance or resistance to SCEPTER O.T. or other imidazolinone herbicides (e.g., PURSUIT<sup>®</sup> herbicide).

<sup>3</sup> SCEPTER O.T. will provide suppression of bigroot morningglory. Applications should be made when vines are 24 to 36 inches in length.

<sup>4</sup> If a heavy infestation of waterhemp sp. is anticipated, for enhanced control apply PROWL<sup>®</sup> 3.3 EC herbicide to the soil followed by a postemergence application of SCEPTER O.T. For coarse textured soils apply PROWL 3.3 EC at 2.4 pints/acre, for medium textured soils apply PROWL 3.3 EC at 3.0 to 3.6 pints/acre, and for fine textured soils apply PROWL 3.3 EC at 3.6 pints/acre. Refer to the PROWL 3.3 EC label for specific use rates, application methods and application timings based on soil texture and soil organic matter content.

<sup>5</sup> SCEPTER O.T. will provide suppression of prickly sida. A nonphytotoxic oil concentrate should be used in place of nonionic surfactant. Use a jar test to ensure compatibility with oil concentrates. DO NOT use oil concentrates when tank mixing SCEPTER O.T. with 2,4-DB.



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### APPLICATION RATE

Apply SCEPTER O.T. at a rate of 1.0 pint per acre with either a nonionic or organo-silicone surfactant or crop oil concentrate.

### APPLICATION INSTRUCTIONS

Apply SCEPTER O.T. as a postemergence treatment after crop emergence and in accordance with the weeds controlled, weed height, and rates of application information listed in this label.

SCEPTER O.T. can provide residual control of cocklebur and pigweed that may emerge after application. Application should be made to small soybeans so that more herbicide reaches the soil surface. The level of residual control will depend on weed density and canopy closure which affect the amount of SCEPTER O.T. reaching the soil surface and environmental conditions, such as rainfall, at the time of application.

To maximize weed control following a postemergence SCEPTER O.T. application, wait at least 10 days before cultivating. This timely cultivation will enhance residual weed control, especially under dry conditions.

Apply when weeds are actively growing. DO NOT apply SCEPTER O.T. when weeds have been subjected to stress conditions such as temperature and moisture extremes.

There must be an interval of at least 90 days between the last SCEPTER O.T. application and soybean harvest.

In Use Region 3 as defined by the Use Area section of the label, apply SCEPTER O.T. prior to July 1.

### ADJUVANT USE

Use a nonionic or organo-silicone surfactant or crop oil concentrate to enhance the wetting, contact, and uptake activity of SCEPTER O.T. on the plant foliage. The nonionic surfactant should contain at least 80% active ingredient and should be applied at a rate of 2 pints per 100 gallons of spray mixture. The organo-silicone surfactant should be applied at a rate of at least 1 pint per 100 gallons of water. Refer to the specific surfactant label for more specific use instructions. Apply the crop oil concentrate (COC) at the rate stated on the COC label.

### HERBICIDE COMBINATIONS

#### SCEPTER O.T. PLUS 2,4-DB TANK MIXTURE

SCEPTER O.T. may be tank mixed with 2,4-DB at 0.015 to 0.030 lb. a.i./A for improved control of labeled morningglory species. Apply by ground to young actively growing weeds, and before annual morningglories reach 4 inches in height. Observe all use restrictions on 2,4-DB label.

#### SCEPTER O.T. PLUS POSTEMERGENCE GRASS HERBICIDES

SCEPTER O.T. may be tank mixed or followed by herbicides registered for postemergence grass control in soybeans. In some cases the activity of the grass herbicide may be reduced when mixed with SCEPTER O.T. The reduction in activity may be overcome by delaying the application of the postemergence grass herbicide 7 days following the application of SCEPTER O.T. If the grass herbicide is applied first, wait 3 days before applying SCEPTER O.T. Refer to the respective grass herbicide label for recommended application rate, weed size and restrictions.

**SCEPTER O.T. PLUS ROUNDUP<sup>4</sup> or ROUNDUP<sup>4</sup> ULTRA**  
(glyphosate-resistant soybeans only)

SCEPTER O.T. may be used for weed control in Roundup Ready<sup>4</sup> soybeans. Apply SCEPTER O.T. for postemergence weed control. Roundup, or other glyphosate-containing products, may be tank-mixed with SCEPTER O.T. for general weed control and residual activity.

Refer to the Roundup or other glyphosate-containing product labels for specific use recommendations, rates, and weeds controlled.

Observe all cautions and limitations on the Roundup or other glyphosate-containing product labels.

Note: DO NOT apply Roundup or other glyphosate-containing products postemergence to non-glyphosate resistant soybeans.

**SEQUENTIAL PROGRAMS**

**SCEPTER O.T. FOLLOWING SOIL-APPLIED PRODUCTS**

For Use Region 1 and Use Region 2 as defined in the USE AREA section of this label; a postemergence application of SCEPTER O.T. may be applied at 1 pint per acre following a soil application of DETAIL<sup>®</sup>, SCEPTER<sup>3</sup>, SCEPTER<sup>3</sup>-ODG, SQUADRÓN<sup>®</sup>, STEEL<sup>®</sup> (in Use Region 1, STEEL may be applied only in eastern Oklahoma and eastern Texas) or TRI-SCEPT<sup>®</sup>, to control weeds listed in the WEEDS CONTROLLED section of this label. (See labels of above herbicides for additional weeds controlled by this sequential program.) The total amount of SCEPTER O.T. applied can not exceed 1 pint per acre in USE REGION 2 or 2 pints per acre in USE REGION 1 in one season following a soil application of the herbicides listed above.

In USE REGION 2, refer to the ROTATIONAL CROP RESTRICTIONS section of this label, for instructions on planting follow crops when using this program.

**SCEPTER O.T. IN SEQUENTIAL PROGRAMS WITH ROUNDUP OR ROUNDUP ULTRA**  
(glyphosate-resistant soybeans only)

SCEPTER O.T. may be used for weed control in Roundup Ready soybeans. Apply SCEPTER O.T. for postemergence weed control. SCEPTER O.T. may be applied either prior to, or following, Roundup or other glyphosate-containing products, for general weed control and residual activity. For sequential treatments, a sufficient period should occur between treatments to allow for an appropriate assessment of weed control needs.

Refer to the Roundup or other glyphosate-containing product labels for specific use recommendations, rates, and weeds controlled.

Observe all cautions and limitations on the Roundup or other glyphosate-containing product labels.

Note: DO NOT apply Roundup or other glyphosate-containing products postemergence to non-glyphosate resistant soybeans.

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### MIXING INSTRUCTIONS

Fill the spray tank one-fourth to one-half full with clean water. While agitating add the required amount of SCEPTER O.T. and as the last ingredient in the tank add the surfactant or crop oil concentrate. An antifoaming agent may be added to the tank if needed. Maintain agitation while spraying to ensure a uniform spray mixture.

### SPRAYING INSTRUCTIONS

#### GROUND APPLICATIONS:

Uniformly apply with properly calibrated ground equipment in 10 to 30 gallons of water per acre and maintain a sprayer pressure of 30-40 PSI. Use higher gallonage for fields with dense vegetation. Use sprayers equipped for postemergence applications. Use nozzles that provide accurate and uniform application (tapered flat fan spray tips with 80-110 degree spray angles, and tip sizes should not exceed .06 to insure small droplet size of the spray solution; hollow cone nozzle tips may also be used).

A second application may be necessary if additional weeds emerge after treatment. (Total SCEPTER O.T. applied per season cannot exceed 2 pints per acre).

DO NOT apply with ground equipment when wind velocity is greater than 10 mph or when spray may be carried by wind to sensitive crops. Sensitive crops include leafy vegetables, sugarbeets, and cotton.

Avoid overlaps when spraying.

#### AERIAL APPLICATIONS:

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre.

To avoid injury to sensitive crops from drift, aerial applicators must adhere to the following SPECIAL USE DIRECTIONS AND PRECAUTIONS:

- Use diaphragm-type nozzles which produce cone or flat spray patterns.
- Use a maximum spray pressure of 40 PSI.
- Nozzle height above ground must be a maximum of 10 feet.
- Nozzles must be pointed toward the rear of the aircraft. The downward angle of the nozzle should not be greater than 20 degrees.
- To minimize wing-tip vortex roll, nozzles or spray boom must not be located any closer to end of wing or rotor than three-fourths the distance from the center of the aircraft.
- A buffer zone must be established between the area to be sprayed and sensitive crops. Sensitive crops include leafy vegetables, sugarbeets, and cotton.
- DO NOT spray when wind velocity is greater than 5 mph.

Applicator is responsible for any loss or damage which results from spraying SCEPTER O.T. in manner other than recommended in this label. In addition, applicator must follow all applicable state and local regulations and ordinances in regard to spraying.

### ROTATIONAL CROP RESTRICTIONS

The following rotational crops may be planted after applying SCEPTER O.T. in soybeans:

| <u>CROP</u>   | <u>USE REGION 1</u>                       | <u>USE REGION 2</u>                                    | <u>USE REGION 3</u> |
|---|---|--|---------------------|
| Soybeans  | No restrictions                           | No restrictions  | No restrictions     |
| Wheat   | 4 months                                  | 4 months <sup>4</sup>                                  | See FOOTNOTE 5      |
| Rice  | Spring following SCEPTER O.T. application | Spring following SCEPTER O.T. application <sup>4</sup> | ---                 |
| Barley  | 11 months                                 | 11 months <sup>4</sup>                                 | See FOOTNOTE 5      |
| Field Corn<br>(IMI-CORN <sup>2</sup><br>seed hybrids) | 9.5 months                                | 9.5 months   | 9.5 months          |
| Field Corn<br>(non IMI-CORN)                          | 9.5 months <sup>2</sup>                   | 9.5 months <sup>3,4</sup>                              | See FOOTNOTE 5      |
| Edible Beans  | 11 months                                 | 11 months <sup>4</sup>                                 | 11 months           |
| Grain Sorghum   | 11 months                                 | 11 months <sup>4</sup>                                 | 11 months           |
| Oats  | 11 months                                 | 11 months <sup>4</sup>                                 | See FOOTNOTE 5      |
| Peanuts   | 11 months                                 | 11 months <sup>4</sup>                                 | 11 months           |
| Tobacco   | 11 months                                 | 11 months <sup>4</sup>                                 | 11 months           |
| Sugar Beets &<br>Red Table Beets                      | 40 months                                 | 40 months  | 40 months           |
| Other Crops   | 18 months                                 | 18 months  | See FOOTNOTE 6      |

<sup>1</sup> Contact your chemical dealer, seed supplier, or American Cyanamid to obtain information regarding the availability of imidazolinone tolerant field corn hybrids which are adapted to your area.

<sup>2</sup> For USE REGION 1 as defined in the USE AREA section of this label, field corn may be planted in the spring of the year following a single SCEPTER O.T. application unless extreme drought conditions develop (less than 10 inches of rainfall or irrigation is received within 6 months following the date of application).

<sup>3</sup> For USE REGION 2 as defined in the USE AREA section of this label, field corn may be planted in the spring of the year following a single SCEPTER O.T. application unless extreme drought conditions develop (less than 10 inches of rainfall or irrigation is received from two weeks prior to the date of SCEPTER O.T. application through November 15 of the same year).

If the minimum rainfall requirement is not met, only field corn hybrids (IMI-CORN) which possess tolerance or resistance to SCEPTER O.T. and other imidazolinone herbicides may be planted the spring of the year following a SCEPTER O.T. application.

<sup>4</sup> **ROTATIONAL CROP RESTRICTIONS** for a SCEPTER O.T. application following a soil application of DETAIL, SCEPTER, SCEPTER 70DG, SQUADRON, STEEL, or TRI-SCEPT (USE REGION 2 only):

For Use Region 2 as defined in the USE AREA section of this label, soybeans may be planted anytime. Barley, edible beans, grain sorghum, oats, peanuts, rice, tobacco, and wheat may be planted 15 months after the last herbicide application. Cotton may be planted 18 months after the last herbicide application.

Only field corn hybrids (IMI-CORN) which possess tolerance or resistance to SCEPTER O.T. and other imidazolinone herbicides may be planted the spring of the year following a sequential SCEPTER O.T. application. Other field corn varieties may be planted 15 months after the last herbicide application.

<sup>5</sup> For USE REGION 3 as defined in the USE AREA section of this label field corn, wheat, barley, or oats may be planted as a rotational crop in the fall or in the spring of the year following SCEPTER O.T. application ONLY if SCEPTER O.T. is applied as a postemergence application at 1 pint per acre AND 10 inches of rainfall or irrigation has been received from the date of application through October of the same year.

<sup>6</sup> For USE REGION 3 as defined in the USE AREA section of this label, canola, strawberries, cabbage, tomatoes, potatoes, carrots, celery, cole crops, garlic, onions, spinach, asparagus, cauliflower, and broccoli may be planted 26 months after a SCEPTER O.T. application. Other crops may be planted 18 months after a SCEPTER O.T. application.

**ONLY** rotational crops harvested at maturity may be used for feed or food.

Use of SCEPTER O.T. 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.

Application of products containing chlorimuron ethyl (e.g., Classic, Canopy<sup>3</sup>, Concert, Gemini<sup>3</sup>, Lorox Plus<sup>3</sup>, Preview<sup>3</sup>, Pinnacle, Synchrony<sup>3</sup>, etc.), imazaquin (e.g., DETAIL<sup>®</sup>, SCEPTER<sup>®</sup>, SCEPTER<sup>®</sup> 70DG, SQUADRON<sup>®</sup>, STEEL<sup>®</sup>, TRI-SCEPT<sup>®</sup>), imazethapyr (e.g., PURSUIT<sup>®</sup>, PURSUIT<sup>®</sup>PLUS EC, etc.), or flumetsulam (e.g., Broadstrike<sup>2</sup>) the same year as labeled rates of SCEPTER O.T. may increase the risk of injury to sensitive rotational crops. Consult labels for recommended uses of these products in combinations.

In the event of a crop loss due to weather conditions, soybeans can be replanted. DO NOT work the soil deeper than 2 inches.

DO NOT graze or feed treated soybean forage, hay or straw to livestock.

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- <sup>2</sup> Trademark of DowElanco Company.
- <sup>3</sup> Trademarks of E.I. du Pont de Nemours and Company.
- <sup>4</sup> Trademarks of Monsanto Agricultural Products Company.
- <sup>5</sup> Trademark of Novartis, Inc.
- <sup>6</sup> Trademark of Valent USA Corporation.
- <sup>7</sup> Trademarks of Zeneca, Inc.

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