

SQUADRON\* herbicide

FOR USE IN SOYBEANS

EPA Reg. No. 241-

106 10

PM 265

241-217

FOR USE ONLY IN ALABAMA, ARKANSAS, DELAWARE, FLORIDA, GEORGIA, ILLINOIS, INDIANA, IOWA, EASTERN KANSAS, KENTUCKY, LOUISIANA, MARYLAND, SOUTHERN MICHIGAN, MISSISSIPPI, MISSOURI, EASTERN NEBRASKA, NEW JERSEY, NORTH CAROLINA, OHIO, EASTERN OKLAHOMA, PENNSYLVANIA, SOUTH CAROLINA, TENNESSEE, EASTERN TEXAS, VIRGINIA, WEST VIRGINIA AND SOUTHERN WISCONSIN,

FOR WESTERN NEBRASKA AND WESTERN KANSAS: APPLY SQUADRON TO IRRIGATED SOYBEANS ONLY.

ACTIVE INGREDIENTS:

Ammonium salt of imazaquin (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-quinolinecarboxylic acid)\*..... 3.64%

pendimethalin (N-1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine.....21.85%

Inert ingredients.....74.31%

Total..... 100.0%

\*Equivalent to 3.64% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-quinolinecarboxylic acid.

SQUADRON contains 2.33 pounds of active ingredients per gallon (2.00 pounds ai of pendimethalin and 0.33 pounds ai of imazaquin)..

ACCEPTED

FEB 5 1987

AMERICAN CYANAMID COMPANY  
AGRICULTURAL DIVISION  
CROP PROTECTION CHEMICALS DEPARTMENT  
WAYNE, NJ 07470

241-217

BEST AVAILABLE COPY

\*Trademark of American Cyanamid Company

20610

(  
-2-

KEEP OUT OF REACH OF CHILDREN

DANGER!

See Side Panel for Additional Precautionary Statements

STATEMENT OF PRACTICAL TREATMENT

If in eyes; hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Call a physician. If swallowed, DO NOT induce vomiting. Call a physician or Poison Control Center immediately. For skin contact, wash thoroughly with soap and water. Call a physician if eye or skin irritation persists.

This product contains monochlorobenzene.

NOTE TO PHYSICIAN: Because of increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent (monochlorobenzene), vomiting should be induced only under professional supervision.

---

¡PELIGRO!

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

---

In case of an emergency endangering life or property involving this product, call collect, day or night, Area code 201-835-3100.

---

Net Contents: 2.5 gallons  
(9.45 liters)

BEST AVAILABLE COPY

30611

-3-

## 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. Wear goggles or face shield. Avoid breathing spray mist. Avoid contact with skin. Wash skin thoroughly with soap and water after handling. Use with adequate ventilation. Keep container closed. Remove contaminated clothing and wash before reuse.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish. DO NOT apply directly to water. Drift and runoff from treated areas may be hazardous to fish in neighboring areas. DO NOT contaminate water by cleaning of equipment or disposal of wastes.

### PHYSICAL HAZARDS

#### FLAMMABLE LIQUID AND VAPOR

DO NOT use, pour, spill, or store near heat or open flame. DO NOT use in the vicinity of pilot lights.

### 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.

BEST AVAILABLE COPY

Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values, etc.

American Cyanamid Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or MERCHANTABILITY. USER assumes the risk of any use contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable by American Cyanamid Company.

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 pesticide application.

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

STORAGE AND DISPOSAL

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

DO NOT contaminate water, food, or feed by storage or disposal.

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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### GENERAL INFORMATION

For control of grass and broadleaf weeds, SQUADRON may be applied as a preplant incorporated or preemergence treatment.

After SQUADRON is applied, some susceptible weeds emerge, growth stops, and then the weeds either die or are not competitive with the crop.

Some dwarfing of soybean plants may occur with SQUADRON applications. This is the result of shortened plant internodes and has no effect on soybean yields.

There should be an interval of 90 days between the SQUADRON application and soybean harvest. DO NOT feed plants or straw to livestock.

NOTE: DO NOT apply SQUADRON postemergence to soybeans as crop injury may occur.

Crops other than soybeans, such as cotton, corn and vegetables, may be injured by spray drift or other indirect contact with SQUADRON.

To avoid injury to sensitive crops from spray drift, follow all use directions and precautions in Spraying Instructions on page 6.

To avoid injury to sensitive crops, spray equipment used for SQUADRON applications must be drained and thoroughly cleaned with water before being used to apply other products to these crops.

See page 9 for Rotational Crop restrictions.

Replanting: If replanting is necessary in field previously treated with SQUADRON, the field may be replanted to soybeans. Rework the soil no deeper than the treated zone. Do not apply a second treatment of SQUADRON.

### MIXING INSTRUCTIONS

Fill the spray tank one-half to three-quarters full with clean water. While agitating add the required amount of SQUADRON and then fill the remainder of the tank with water. Maintain agitation while spraying to ensure a uniform spray mixture.

BEST AVAILABLE COPY

## SPRAYING INSTRUCTIONS

NOTE: DO NOT make applications when spray may be carried by wind to sensitive crops.

Avoid overlaps when spraying.

### GROUND APPLICATIONS:

Uniformly apply with properly calibrated ground equipment in 10 to 40 gallons of water per acre. A spray pressure of 20 to 40 psi is recommended.

To ensure thorough coverage, use a minimum of 20 gallons of water per acre when applying SQUADRON to minimum or no-till soybeans. Use higher gallonage for fields with dense vegetation or heavy crop residues.

DO NOT apply with ground equipment when wind velocity is greater than 10 mph.

### AERIAL APPLICATIONS:

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

DO NOT ALLOW SQUADRON TO DRIFT OUTSIDE OF THE INTENDED TREATED FIELD.

DO NOT SPRAY WHEN ENVIRONMENTAL CONDITIONS COULD CAUSE DRIFT.

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

### USE RATE

Apply SQUADRON at a rate of 3.0 pints per acre.

## APPLICATION INSTRUCTIONS

### PREPLANT INCORPORATED APPLICATIONS

Apply SQUADRON before planting and shallowly incorporate. Implements set to thoroughly incorporate SQUADRON into the top 1 to 2 inches of soil are preferred. When using a disk or field cultivator, a second pass must be made at an angle to the first pass to ensure thorough incorporation. Incorporate into the soil within 7 days after application. SQUADRON may be applied during land preparation up to 30 days prior to planting or immediately prior to planting. Moisture is required for activation of SQUADRON. (If sufficient moisture to activate SQUADRON is not received within 7 days after application, a thorough shallow tillage or cultivation is recommended for control of emerged weeds.)

If soybeans are planted on beds, apply and incorporate after bed formation.

BEST AVAILABLE COPY

## PREEMERGENCE APPLICATIONS

## MINIMUM AND CONVENTIONAL TILLAGE:

Apply SQUADRON during or up to 2 days after planting. DO NOT apply postemergence to soybeans. As with other herbicides applied preemergence, rainfall or irrigation is necessary to activate SQUADRON in the soil. If sufficient moisture to activate SQUADRON is not received within 7 days after application, a thorough shallow tillage or cultivation is recommended (preferably with a rotary hoe) for optimum weed control.

## NO-TILL SYSTEMS:

Apply SQUADRON during or up to 2 days after planting. DO NOT apply postemergence to soybeans. If needed, apply paraquat or Roundup<sup>1</sup> in combination with SQUADRON. Refer to the respective labels for rates, methods of application, proper timing, weeds controlled, restrictions, and precautions. Use ground equipment only.

When SQUADRON is tank mixed with paraquat or Roundup, add SQUADRON to the tank first, then add paraquat or Roundup. When paraquat is included in a tank mixture, add 8 oz. of Ortho<sup>2</sup>X-77 spreader or similar non-ionic surfactant per 100 gallons of spray mixture as the last ingredient in the tank.

---

<sup>1</sup>Roundup is a trademark of Monsanto Agricultural Products Co.

<sup>2</sup>Ortho is a trademark of Chevron Chemical Company.

BEST AVAILABLE COPY

## WEEDS CONTROLLED

The following grass and broadleaf weeds are controlled by recommended treatments of SQUADRON:

|                            | GRASSES                             |
|----------------------------|-------------------------------------|
| BARNYARDGRASS              | ( <u>Echinochloa crus-galli</u> )   |
| CRABGRASS                  | ( <u>Digitaria spp.</u> )           |
| CROWFOOTGRASS              | ( <u>Dactyloctenium aegyptium</u> ) |
| FOXTAIL                    |                                     |
| GIANT                      | ( <u>Setaria faberi</u> )           |
| GREEN                      | ( <u>Setaria viridis</u> )          |
| ROBUST                     | ( <u>Setaria sp.</u> )              |
| YELLOW                     | ( <u>Setaria glauca</u> )           |
| GOOSEGRASS                 | ( <u>Eleusine indica</u> )          |
| JOHNSONGRASS, SEEDLING     | ( <u>Sorghum halepense</u> )        |
| PANICUM                    |                                     |
| BROWNTOP                   | ( <u>Panicum fasciculatum</u> )     |
| FALL                       | ( <u>Panicum dichotomiflorum</u> )  |
| TEXAS                      | ( <u>Panicum texanum</u> )          |
| SANDBUR, FIELD             | ( <u>Cenchrus incertus</u> )        |
| SHATTERCANE*               | ( <u>Sorghum bicolor</u> )          |
| SIGNALGRASS, BROADLEAF     | ( <u>Brachiaria platyphylla</u> )   |
| WITCHGRASS                 | ( <u>Panicum capillare</u> )        |
|                            | BROADLEAF WEEDS                     |
| BRISTLY STARBUR            | ( <u>Acanthospermum hispidum</u> )  |
| BURCULMBER*                | ( <u>Sicyos angulatus</u> )         |
| CARPETWEED                 | ( <u>Mollugo verticillata</u> )     |
| COCKLEBUR, COMMON          | ( <u>Xanthium strumarium</u> )      |
| JIMSONWEED                 | ( <u>Datura stramonium</u> )        |
| KOCHIA                     | ( <u>Kochia scoparia</u> )          |
| LAMBSQUARTERS, COMMON      | ( <u>Chenopodium album</u> )        |
| MALLOW, VENICE             | ( <u>Hibiscus trionum</u> )         |
| MORNINGGLORY               |                                     |
| PALM LEAF                  | ( <u>Ipomoea wrightii</u> )         |
| PITTED                     | ( <u>Ipomoea lacunosa</u> )         |
| SWALLFLOWER                | ( <u>Jacquenontia tamifolia</u> )   |
| MUSTARD SPECIES            | ( <u>Brassica spp.</u> )            |
| NIGHTSHADE, EASTERN BLACK* | ( <u>Solanum ptycanthum</u> )       |
| PIGWEEED                   |                                     |
| PALMER                     | ( <u>Amaranthus palmeri</u> )       |
| REDROOT                    | ( <u>Amaranthus retroflexus</u> )   |
| SMOOTH                     | ( <u>Amaranthus hybridus</u> )      |
| SPINY                      | ( <u>Amaranthus spinosus</u> )      |
| WATERHEMP, TALL            | ( <u>Amaranthus tuberculatus</u> )  |
| POINSETTIA, WILD           | ( <u>Euphorbia heterophylla</u> )   |
| PUNCTUREVINE               | ( <u>Tribulus terrestris</u> )      |
| PURLANE                    | ( <u>Portulaca oleracea</u> )       |
| PUSLEY, FLORIDA            | ( <u>Richardia scabra</u> )         |
| RAGWEED,                   |                                     |
| COMMON                     | ( <u>Ambrosia artemisiifolia</u> )  |
| GIANT*                     | ( <u>Ambrosia trifida</u> )         |

BEST AVAILABLE COPY



|                          |                                     |
|--------------------------|-------------------------------------|
| REDWEED*                 | ( <u>Melochia corchorifolia</u> )   |
| SIDA, PRICKLY (TEAWEEED) | ( <u>Sida spinosa</u> )             |
| SMARTWEED,               |                                     |
| LADYSTHUMB               | ( <u>Polygonum persicaria</u> )     |
| PENNSYLVANIA             | ( <u>Polygonum pennsylvanicum</u> ) |
| SPURGE                   |                                     |
| ANNUAL                   | ( <u>Euphorbia sp.</u> )            |
| PROSTRATE                | ( <u>Euphorbia humistrata</u> )     |
| SPOTTED                  | ( <u>Euphorbia maculata</u> )       |
| SUNFLOWER, COMMON        | ( <u>Helianthus annuus</u> )        |
| VELVETLEAF*              | ( <u>Abutilon theophrasti</u> )     |

SQUADRON will aid in the control and reduce competition from:

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| MORNINGGLORY      |                                                         |
| ENTIRELEAF        | ( <u>Ipomoea hederacea</u> var. <u>intergriuscula</u> ) |
| IVYLEAF           | ( <u>Ipomoea hederacea</u> )                            |
| TALL              | ( <u>Ipomoea purpurea</u> )                             |
| NUTSEDGE, YELLOW* | ( <u>Cyperus esculentus</u> )                           |

\*Preplant incorporated treatments only.

#### ROTATIONAL CROP RESTRICTIONS

The following rotational crops may be planted after applying SQUADRON in soybeans:

1. Four months after SQUADRON application:

Small Grains  
Rice

2. Eleven months after SQUADRON application:

Corn  
Cotton  
Edible beans  
Grain Sorghum  
Peanuts  
Tobacco

BEST AVAILABLE COPY

-10-

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

DO NOT plant other rotational crops prior to 18 months after last SQUADRON application.

DO NOT apply Classic, Canopy or Gemini<sup>9</sup> the same year as SQUADRON or injury to follow crops may occur.

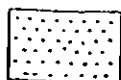
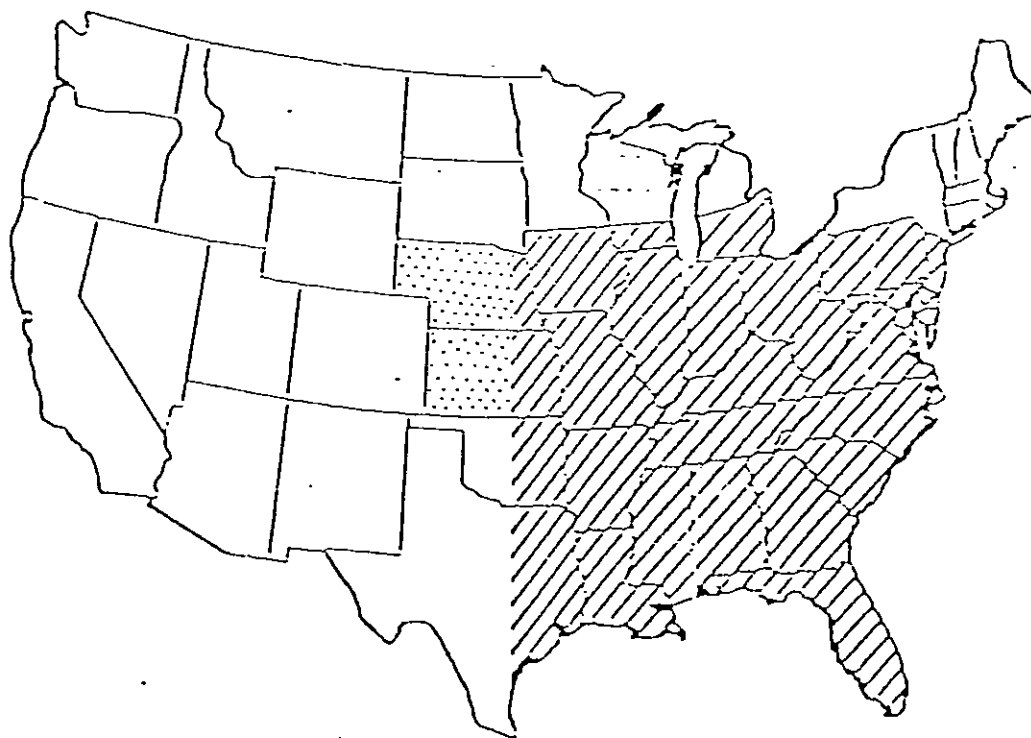
DO NOT GRAZE OR FEED TREATED SOYBEAN FORAGE, HAY OR STRAW TO LIVESTOCK.

---

<sup>9</sup>Classic, Canopy and Gemini are trademarks of E.I. du Pont de Nemours and Company.

USE AREA

SQUADRON can be applied only in the states or parts of states shaded in the following map:



= for irrigated soybeans only

**BEST AVAILABLE COPY**