

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (WH-567)
WASHINGTON, D.C. 20460

EPA REGISTRATION NO.

241-373

DATE OF ISSUANCE

DEC 15 1995

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT

SQUADRON® DG Herbicide

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

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PM25

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241-373

1423

American Cyanamid Co.
P.O. Box 400
Princeton, NJ 08543

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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA Section 3(c)(5) and sec. 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 241-373" to your label before you release the product for shipment.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, this registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

DEC 15 1995

PROPOSED SQUADRON DG HERBICIDE LABEL

SQUADRON® DG
herbicide

24723

FOR USE IN SOYBEANS

ACTIVE INGREDIENTS:

imazaquin (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3 quinolinecarboxylic acid).....	8.3%
pendimethalin (N-1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine.....	50.0%
INERT INGREDIENTS	41.7%
TOTAL	100.0%

1 pound of SQUADRON DG contains 0.083 pounds of imazaquin and 0.5 pounds of pendimethalin

EPA Reg. No. 241-

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.)

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

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, 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 irritation persists.

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

See Additional Precautionary Statements Inside.

AMERICAN CYANAMID COMPANY
AGRICULTURAL PRODUCTS DIVISION
CROP PROTECTION CHEMICALS DEPARTMENT
WAYNE, NJ 07470 ©1995

Net Contents:

®Registered Trademark of American Cyanamid Company

ACCEPTED
~~with COMMENTS~~
In EPA Letter Dated

DEC 15 1995

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

241-373

PROPOSED SQUADRON DG HERBICIDE LABEL

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (& DOMESTIC ANIMALS)

DANGER!/PELIGRO!

Corrosive: Causes irreversible eye damage. DO NOT get in eyes. Avoid contact with skin or clothing.

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/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 and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. 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.

This labeling must be in the possession of the user at the time of pesticide application.

Observe all cautions and limitations in this leaflet and on the labels of products used in combination with SQUADRON DG. DO NOT use SQUADRON DG other than in accordance with the instructions set forth on this label. The use of SQUADRON DG 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.



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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 12 hours.

Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

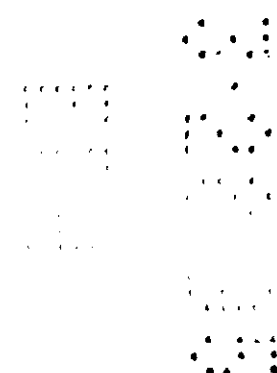
STORAGE AND DISPOSAL

STORAGE: DO NOT STORE ABOVE 125° F. Store in original containers and keep closed. Store in a cool, dry place.

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

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: Completely empty contents of bag into application equipment. Then dispose of empty bag in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.



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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 SQUADRON DG. 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)

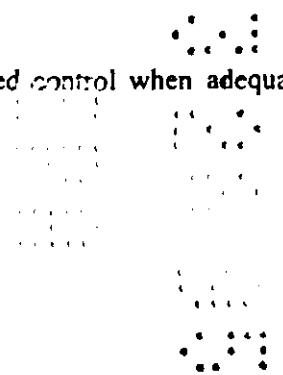
If this product is used in combination with any other product except as specifically recommended in writing by AMERICAN CYANAMID COMPANY, then AMERICAN CYANAMID COMPANY shall have no liability for any loss, damage or injury arising out of its use in any such combination not so specifically recommended. If used in 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

For broad-spectrum control of grass and broadleaf weeds in soybeans, SQUADRON DG may be applied as a preplant incorporated or preemergence treatment.

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

A timely cultivation may aid in the control of certain weeds or improve general weed control when adequate moisture is not received after application. Cultivation should be shallow.



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SQUADRON DG reaches the growing points of susceptible weeds either by direct contact in the soil, or by root uptake and rapid translocation to the growing points. Therefore, adequate soil moisture is important for optimum SQUADRON DG activity. The amount of rainfall or irrigation required following application depends on existing soil moisture, soil texture and organic matter content. Sufficient water to moisten the soil to a depth of 2 inches is normally adequate. If adequate moisture is not received within 7 days after treatment, then a cultivation or postemergence herbicide application may be needed to improve weed control. When adequate moisture is received after dry conditions, SQUADRON DG will provide residual control of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil.

A SQUADRON DG soil treatment followed by a SCEPTER[®] O.T.[®] or Classic⁴ postemergence treatment will control certain problem weeds. Use sequential treatments in recommended states only.

Occasionally, internode shortening of soybean plants may be observed with SQUADRON DG applications. This has no effect on soybean yields.

Following the use of this product and chemically related products with the same mode of action, naturally occurring biotypes* of some of the weeds listed on this label cannot be effectively controlled by this and related products. This product should be tank-mixed or applied sequentially with an appropriate registered herbicide having a different mode of action to ensure control of resistant biotypes.

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

See your Cyanamid representative for addition information.

PRECAUTIONS:

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

DO NOT APPLY SQUADRON DG OR ITS TANK MIXTURES PREEMERGENCE IN SOUTH DAKOTA.

DO NOT use SQUADRON DG other than in accordance with the instructions set forth on this label.

DO NOT use SQUADRON DG in any tank mixes other than those specifically provided in this label.

DO NOT use on crops other than soybeans. Crops other than soybeans, such as cotton, corn, grain sorghum, rice and vegetables, may be injured by spray drift or other indirect contact with SQUADRON DG.

To avoid injury to sensitive crops from spray drift, follow all use directions and precautions in SPRAYING INSTRUCTIONS on pages 16 and 17.

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

Apply SQUADRON DG prior to July 1 in Use Region 3, as defined in the USE AREA section of this label.

There should be an interval of 90 days between the SQUADRON DG application and soybean harvest.

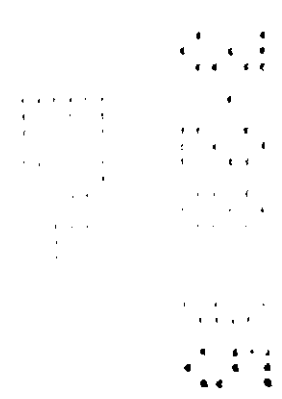
DO NOT graze or feed treated soybean forage, hay, or straw to livestock.

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Use of SQUADRON DG 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 use of this product and, therefore, rotational crop injury is always possible. See pages 18 to 20 for ROTATIONAL CROP RESTRICTIONS.

Replanting: If replanting is necessary in a field previously treated with SQUADRON DG, the field may be replanted to soybeans. Rework the soil no deeper than the treated zone. DO NOT APPLY A SECOND TREATMENT OF SQUADRON DG.

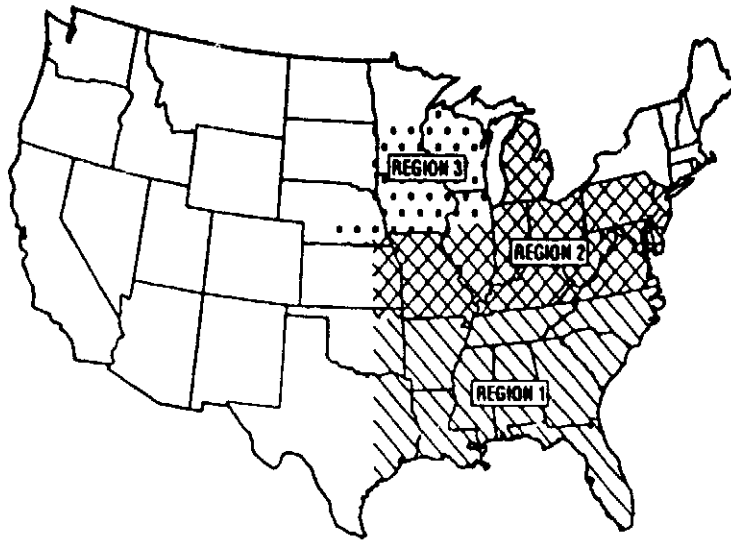


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USE AREA

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

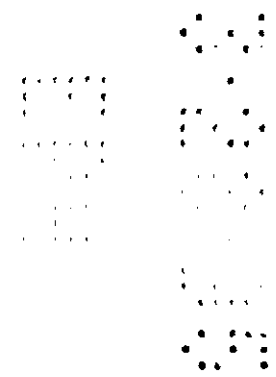


Use **Region 1** includes eastern Oklahoma, Arkansas, the Missouri bootheel, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, and eastern Texas.

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.

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, and Minnesota (south of S.R. 210).

Note: See the ROTATIONAL CROP RESTRICTIONS section for recommendations applying to each Use Region.



PROPOSED SQUADRON DG HERBICIDE LABEL

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WEEDS CONTROLLED

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

WEED	LEVEL OF CONTROL
GRASSES	
Barnyardgrass	Control
Corn, volunteer	Suppression
Crabgrass	Control
Crowfootgrass	Control
Cupgrass, Woolly	Control ¹
Foxtail	
Giant	Control
Green	Control
Robust	Control
Yellow	Control
Goosegrass	Control
Johnsongrass, seedling	Control
Panicum	
Browntop	Control
Fall	Control
Texas	Control
Sandbur, Field	Control
Shattercane	Control ¹
Signalgrass, Broadleaf	Control
Witchgrass	Control
BROADLEAF WEEDS	
Alligatorweed	Control
Beggarweed, Florida	Control ²
Bristly Starbur	Control
Burcucumber	Control ¹
Carpetweed	Control
Cocklebur, Common	Control
Copperleaf, hophornbeam	Control ³
Jimsonweed	Control
Kochia	Control
Lambsquarters, Common	Control
Mallow, Venice	Control
Mexicanweed	Suppression
Morningglory	
Entireleaf	Control ⁴
Ivyleaf	Control ⁴
Palm Leaf	Control
Pitted	Control
Smallflower	Control
Tall	Control ⁴
Mustard Species	Control
Nightshade, Eastern Black	Control

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BROADLEAF WEEDS (Continued)

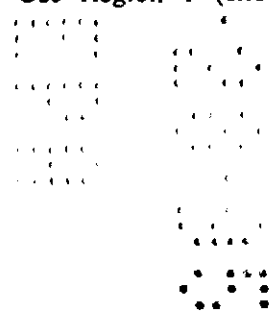
Pigweed	
Palmer	Control
Redroot	Control
Smooth	Control
Spiny	Control
Waterhemp, Tall	Control
Poinsettia, Wild	Control
Puncturevine	Control
Purslane	Control
Pusley, Florida	Control
Ragweed	
Common	Control
Giant	Control ⁵
Redweed	Control ¹
Sesbania, hemp	Control ³
Sicklepod	Control ⁶
Sida, Prickly (Teaweed)	Control
Smartweed	
Ladysthumb	Control
Pennsylvania	Control
Spurge	
Annual	Control
Prostrate	Control
Spotted	Control
Sunflower, Common	Control
Texasweed	Suppression
Velvetleaf	Control ⁷

SEDGES

Nutsedge, Yellow	Suppression ¹
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¹ To obtain consistent control or suppression of these weeds under a wide range of environmental conditions, a preplant incorporated application is required. See SQUADRON DG Plus Additional PROWL[®] 3.3EC herbicide section for directions regarding woolly cupgrass and shattercane.

² A soil application of SQUADRON DG will provide suppression of Florida beggarweed. A postemergence application of Classic must be applied at 1/2 to 3/4 ounces per acre following a soil application of SQUADRON DG in a planned sequential program to control this weed. Apply the higher rate of Classic if weed seedlings are taller than 2 inches. Apply Classic before weeds exceed the 1 to 2 true leaf stage. Refer to the ROTATIONAL CROP RESTRICTIONS section of this label for instructions on planting follow crops when using this program. SQUADRON DG followed by Classic sequential program may be used only in Use Region 1 (except Oklahoma).



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- 3 USE REGION 1 AND USE REGION 2. SCEPTER O.T. herbicide must be applied postemergence at 1 pint per acre following a soil application of SQUADRON DG for control of these weeds. The total amount of SCEPTER O.T. applied should 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 SQUADRON DG. Refer to the SCEPTER O.T. label for application instructions. In Use Region 2, refer to the Rotational Crop Restrictions section of this label for special instructions on planting follow crops when using this program.
- 4 An application of SQUADRON DG will provide suppression of these weeds. For control of these morningglory species, the sequential program in Footnote #3 should be used.
- 5 Some broadleaf weeds such as giant ragweed germinating deep in the soil or with subsequent flushes may require a cultivation or postemergence herbicide application for season long control.
- 6 Only light to moderate infestations of sicklepod are controlled. Later sicklepod flushes may require a cultivation or a postemergence herbicide application. For heavy sicklepod infestations Classic may be applied postemergence at 1/2 to 3/4 ounces per acre following a soil application of SQUADRON DG. Apply the higher rate of Classic if sicklepod seedlings are taller than 2 inches. A cultivation 14 days after Classic application may be required to control sicklepod escapes. Refer to the Rotational Crop Restrictions section of this label for instructions on planting follow crops when using this program. SQUADRON DG followed by Classic sequential program may be used only in Use Region 1 (except Oklahoma).
- 7 A preplant incorporated application is recommended for velvetleaf control. A preemergence application of SQUADRON DG will aid in the control and reduce competition from velvetleaf.

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DIRECTIONS FOR CONVENTIONAL, MINIMUM, AND NO-TILL APPLICATIONS

APPLICATION RATE

Apply SQUADRON DG at a rate of 1.5 pounds per acre.

APPLICATION INSTRUCTIONS

SQUADRON DG may be applied in conventional, minimum, or no-till as a preplant incorporated or preemergence application up to 45 days (30 days in Use Region 1) before planting. Preemergence applications may also be applied during or after planting but before the crop emerges. **DO NOT** apply postemergence (or at cracking) to soybeans.

Adequate moisture is required for activation of SQUADRON DG.

PREPLANT INCORPORATED APPLICATIONS

Apply SQUADRON DG before planting and incorporate uniformly into the top 1 to 2 inches of soil.

SQUADRON DG may be applied immediately before planting or up to 30 days prior to planting in Use Region 1. For Use Region 2 and Use Region 3, SQUADRON DG may be applied up to 45 days prior to planting. Incorporate within 7 days after application.

If soybeans are planted on beds, apply and incorporate after bed formation, using PTO-driven equipment or rolling cultivator.

PREEMERGENCE APPLICATIONS (including no-till)

Apply SQUADRON DG up to 45 days (30 days in USE REGION 1) before, during or after planting but before the crop emerges. As with other herbicides applied preemergence, rainfall or irrigation is necessary to activate SQUADRON DG in the soil. If sufficient rainfall or irrigation to activate SQUADRON DG is not received within 7 days after application, a thorough shallow tillage, cultivation, or postemergence herbicide treatment (as appropriate to the tillage system) may be required for control of emerged weeds.

HERBICIDE COMBINATIONS

For no-till uses, SQUADRON DG may be tank mixed with Gramoxone Extra, Roundup, 2,4-D or 2,4-DB to kill existing vegetation. Use a minimum of 10 gallons of water per acre. Use higher gallonage for fields with dense vegetation or heavy crop residues. Use ground equipment only. Plant soybeans at least one inch deep and adjust planters to ensure adequate seed coverage.

SQUADRON DG must be used only in accordance with the directions on this label. Do not use SQUADRON DG in any tank mixes other than those specifically provided in this label. Always follow the more restrictive label limitations and precautions.

In addition to those broadleaf herbicides specifically mentioned elsewhere in this label, SQUADRON DG applications may be followed by one or more of the following herbicides: Basagran⁵, Blazer⁵, Galaxy⁵, Storm⁵, Cobra⁶, or Reflex⁷.

SQUADRON DG may be followed by herbicides registered for postemergence grass control in soybeans.

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Soil Texture

The application rate of some herbicides which may be tank mixed with SQUADRON DG will vary with soil texture. Combination rate tables in this label refer to three soil texture groups: COARSE, MEDIUM, and FINE. The following table lists soil textures included in each of these three groups:

<u>COARSE</u>	<u>MEDIUM</u>	<u>FINE</u>
sands	sandy clay loams*	silty clay loams*
loamy sands	sandy clays	silty clays
sandy loams	loams	clay loams
	silt loams	clays
	silts	

*Sometimes considered transitional soils.

SQUADRON DG Plus Additional PROWL 3.3EC Herbicide Tank Mixture

PROWL 3.3EC can be tank mixed with SQUADRON DG and applied preplant incorporated or preemergence if heavy or difficult to control infestations are anticipated from grasses listed in this leaflet. SQUADRON DG plus PROWL 3.3EC must be applied preplant incorporated if shattercane or woolly cupgrass infestations are anticipated.

On coarse textured soils add PROWL 3.3EC at 0.6 pint per acre* and on medium and fine textured soils add PROWL 3.3EC at 0.6 to 1.2 pints per acre*.

See the PROWL 3.3EC label for soil types classified as coarse, medium and fine textured.

Apply this tank mixture preplant incorporated north of Interstate 80.

Observe all precautions and limitations on the PROWL 3.3EC label.

*PROWL 3.3EC rates are based on 3.3 pounds of active ingredient per gallon. If the 4.0 pounds of active ingredient per gallon formulation is used, multiply the above rates by 0.82.

SQUADRON DG Plus Command 4EC Tank Mixture

Observe all precautionary statements in the Command 4EC label before using. SQUADRON DG plus Command 4EC preplant incorporated tank mixture may be used when heavy infestations of velvetleaf are anticipated. Uniformly apply the tank mixture with properly calibrated ground equipment in 10 to 40 gallons of water or 20 or more gallons of liquid fertilizer per acre. Use sprayers equipped with nozzles that provide accurate and uniform application.

NOTE: The use of an agriculturally approved drift reducing agent is required at spray volumes of 10 to 15 gallons per acre.

Apply 3 pints per acre of SQUADRON DG plus 0.25 to 0.5 pint (4 to 8 oz.) per acre of Command 4EC to the soil surface and uniformly incorporate. Refer to the Command 4EC label for incorporation requirements. DO NOT apply aerially or through irrigation systems. DO NOT apply this tank mixture to overly moist or wet soils.

Command 4EC is a volatile compound. Off site movement of spray drift or vapors of Command 4EC can cause foliar whitening or yellowing of some plants. Prior to using Command 4EC, read and strictly follow all precautions

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and application instructions on the Command 4EC label.

When applied as directed, tank mixtures of SQUADRON DG plus Command 4EC control heavy infestations of velvetleaf as well as the weeds listed in the WEEDS CONTROLLED section of this label.

Use the high rate of Command 4EC when severe infestations of velvetleaf are anticipated.

Follow all rotational crop restrictions on the SQUADRON DG and Command 4EC labels. Always follow the most restrictive label.

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

SQUADRON DG Plus Metribuzin Tank Mixtures

Before using, observe all precautionary statements in the SQUADRON DG, Lexone⁸, and Sencor⁹ leaflet labels. SQUADRON DG may be applied in tank mix combination with Lexone or Sencor either preplant incorporated or preemergence, or SQUADRON DG may be applied preplant incorporated followed by a preemergence application of Lexone or Sencor. For preemergence applications, apply during or immediately after planting. These treatments will control Florida beggarweed, hemp sesbania, hophornbeam copperleaf and sicklepod in addition to the weeds controlled by a soil application of SQUADRON DG alone.

Apply Lexone or Sencor at the broadcast rate per acre specified in the table below, in tank mix combination with 3 pints per acre of SQUADRON DG.

Lexone or Sencor Rate*

	4.0L	75%DF
Coarse Soils	1/2 pint	1/3 lb.
Medium Soils	1/2 pint	1/3 lb.
Fine Soils	2/3 pint	1/2 lb.

- * DO NOT use Lexone or Sencor on coarse soils of less than 2% organic matter. Use 1/2 lb. or 2/3 pint of Lexone or Sencor on medium soils of greater than 4% organic matter.

Tank Mixtures with 2,4-D

2,4-D may be used with SQUADRON DG alone or in combination with other SQUADRON DG tank mixes prior to planting for control of some annual broadleaf weeds. Use the following rates of 2,4-D in tank mixtures with SQUADRON DG:

2,4-D Formulation	Rate(lb a.i./A)	Minimum Days Before Planting
Ester	0.5	7
Amine	0.5	15
Ester or Amine	1.0	30

Refer to 2,4-D label for weeds controlled. Observe all cautions and limitations on the 2,4-D label.

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Tank Mixtures with 2,4-DB

2,4-DB may be used with SQUADRON DG alone or in combination with other SQUADRON DG tank mixes for control of some annual broadleaf weeds. Refer to the 2,4-DB label for specific use recommendations, rates and weeds controlled.

Observe all cautions and limitations on the 2,4-DB label.

Tank Mixtures with Roundup

Roundup may be used with SQUADRON DG alone or in combination with other tank mixes for the control of certain emerged grasses and broadleaf weeds. Refer to the Roundup label for specific use recommendations, rates and weeds controlled.

NOTE: The Roundup rate for tank mixes with SQUADRON DG is the same as the rate for Roundup used alone.

Observe all cautions and limitations on the Roundup label.

Tank Mixtures with Gramoxone Extra

Gramoxone Extra, at 1 1/2 to 2 1/2 pints per acre, may be used with SQUADRON DG alone or in combination with other tank mixes for the control of certain emerged grasses and broadleaf weeds. Use the 2-1/2 pint rate if weeds are 4 to 6 inches tall. Weeds over 6 inches may not be controlled with this treatment. Apply up to 14 days before, during or immediately after planting.

When Gramoxone Extra is included in a tank mixture, add a nonionic spreader surfactant at a rate of 8 fl. oz. per 100 gallons of spray mixture as the last ingredient in the tank.

Gramoxone Extra will control most annual emerged weeds and suppress many emerged perennials. Refer to the Gramoxone Extra label for specific use recommendations and weeds controlled.

Observe all precautions and limitations on Gramoxone Extra label.

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17-23

MIXING INSTRUCTIONS

1. Fill the spray tank one-fourth to one-half full with clean water or liquid fertilizer and agitate. Sparge bar or jet spray agitation systems are recommended for SQUADRON DG applications. Prior to mixing SQUADRON DG or SQUADRON DG tank mixtures in liquid fertilizer, refer to appropriate label sections for each product regarding instructions for use in liquid fertilizer.

ALWAYS PRE-SLURRY SQUADRON DG IN CLEAN WATER PRIOR TO ADDING TO LIQUID FERTILIZER SOLUTIONS.

2. **SQUADRON DG Alone:**
When using SQUADRON DG alone, add SQUADRON DG to the partially-filled tank while agitating and then fill the remainder of the tank with water or liquid fertilizer.
3. **SQUADRON DG Tank Mixtures:**
Add SQUADRON DG to the partially filled tank while agitating. When SQUADRON DG is completely mixed, add the tank mixture ingredients, if used, in the order listed below:
 - (a) Lexone or Sencor
 - (b) Command 4EC
 - (c) PROWL 3.3EC
 - (d) Roundup, Gramoxone Extra, 2,4-D or 2,4-DB
 - (e) If used, add a non-ionic surfactant as the last ingredient in the tank.
 - (f) Fill the remainder of the tank with water or liquid fertilizers.
4. **MAINTAIN CONTINUOUS AGITATION WHILE ADDING HERBICIDES AND UNTIL SPRAYING IS COMPLETED.** If the spray mixture is allowed to settle for any period of time, thorough agitation is essential to resuspend the mixture before spraying is resumed.

DO NOT apply SQUADRON DG on dry bulk fertilizer.

APPLICATIONS WITH LIQUID FERTILIZERS

SQUADRON DG can be applied with liquid fertilizers, alone or in combination with approved tank mixtures. Always pre-slurry SQUADRON DG in clean water prior to adding to liquid fertilizer solutions. Always test the compatibility of the SQUADRON DG slurry with the liquid fertilizer before mixing in the spray tank. Follow all SQUADRON DG label recommendations regarding incorporation, timing of application, special instructions and precautions. For SQUADRON DG tank mix partners, refer to the individual product labels for specific recommendations for using these products with liquid fertilizers.

Apply treatments in 20 or more gallons of liquid fertilizer per acre with ground equipment. Maintain continuous agitation in the spray tank to prevent separation. Use only flood nozzles with no nozzle screens to prevent clogging.

All individual state regulations relating to fluid fertilizer mixing, registration, labeling and application are the responsibility of the individual and/or company selling the SQUADRON DG/liquid fertilizer mixture.

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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, or 20 or more gallons of liquid fertilizer per acre. Use higher gallonage for fields with dense vegetation or heavy crop residues. A spray pressure of 20 to 40 psi is recommended. Sprayer should be equipped with 8002 or larger size Tee-Jet or comparable flat fan nozzles to achieve uniform spray distribution and minimize drift. Nozzle screens must be no finer than 50 mesh.

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

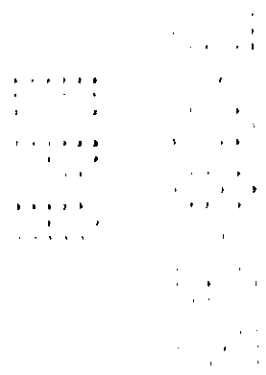
AERIAL APPLICATIONS:

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

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

- Use nozzles which produce a coarse spray.
- 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.
- Use a maximum spray pressure of 40 psi.
- A buffer zone must be established between the area to be sprayed and sensitive crops.
- DO NOT spray when wind velocity is greater than 5 mph.

Applicator is responsible for any loss or damage which results from spraying SQUADRON DG 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.



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ROTATIONAL CROP RESTRICTIONS

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

CROP	USE REGION 1	USE REGION 2 (except Michigan³)	USE REGION 3
Soybeans	No restrictions	No restrictions	No restrictions
Wheat	4 months	4 months ⁴	See FOOTNOTE 5 & 6
Rice	Spring following SQUADRON DG application	Spring following SQUADRON DG application ⁴	---
Barley	11 months	11 months ⁴	See FOOTNOTE 5
Field Corn	9.5 months ¹	9.5 months ^{2,4}	See FOOTNOTE 5 & 6
Edible Beans	11 months	11 months ⁴	11 months
Grain Sorghum	11 months	11 months ⁴	11 months
Oats	11 months	11 months ⁴	See FOOTNOTE 5
Peanuts	11 months	11 months ⁴	11 months
Tobacco	11 months	11 months ⁴	11 months
Sugar Beets	26 months	26 months	26 months
Other Crops	18 months	18 months	See FOOTNOTE 7

¹ For USE REGION 1 as defined by the USE AREA section of this label; field corn may be planted in the spring of the year following SQUADRON DG application unless extreme drought conditions develop (less than 15 inches of rainfall or irrigation is received within 6 months following the date of application).

² For USE REGION 2 (except Michigan³) as defined in the USE AREA section of this label, field corn may be planted as a rotational crop in the spring of the year following SQUADRON DG application unless extreme drought conditions develop (less than 15 inches of rainfall or irrigation is received from two weeks prior to the date of SQUADRON DG application through November 15 of the same year).

If the minimum rainfall requirement is not met, only field corn hybrids which possess tolerance or resistance to SQUADRON DG and other imidazolinone herbicides may be planted the spring of the year following a SQUADRON DG application (SEE NOTE).

³ Growers in the Michigan counties of Berrien, Cass, St. Joseph, Branch, Hillsdale, Lenawee, Monroe, Van Buren, Kalamazoo, Calhoun, Jackson, Washtenaw, and Wayne may use the rotational crop restrictions for Use Region 2.

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Growers in other Michigan counties may NOT plant oats or barley in the fall or spring of the year following a SQUADRON DG application. In this geography, only field corn hybrids which possess tolerance or resistance to SQUADRON DG and other imidazolinone herbicides may be planted the spring of the year following an application of SQUADRON DG (SEE NOTE).

- 4 ROTATIONAL CROP RESTRICTIONS for a sequential application of SCEPTER O.T. following a soil application of SQUADRON DG (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 which possess tolerance or resistance to SQUADRON DG and other imidazolinone herbicides may be planted the spring of the year following a sequential application (SEE NOTE). Other field corn varieties may be planted 15 months after the last herbicide application.

- 5 For USE REGION 3 as defined in the USE AREA section of this label, DO NOT plant field corn, wheat, barley, or oats as rotational crops in the fall or in the spring of the year following SQUADRON DG application.
- 6 In Nebraska, east of U.S. 283, south of U.S. 30, and west of U.S. 81; wheat may be planted 4 months after a SQUADRON DG application. In this geography, only field corn hybrids which possess tolerance or resistance to SQUADRON DG and other imidazolinone herbicides may be planted the spring of the year following an application of SQUADRON DG (SEE NOTE).
- 7 For USE REGION 3 as defined in the USE AREA section of this label; canola, table beets, strawberries, cabbage, tomatoes, potatoes, carrots, celery, cole crops, garlic, onions, spinach, asparagus, cauliflower, and broccoli may be planted 26 months after a SQUADRON DG application. Other crops may be planted 18 months after a SQUADRON DG application.

ROTATIONAL CROP RESTRICTIONS for sequential Classic application following SQUADRON DG soil treatments:

Soybeans may be planted anytime. Barley, edible beans, field corn, 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. Refer to rotational crop restrictions listed in the Classic label. Always follow the more restrictive label.

NOTE: 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.

Use of SQUADRON DG 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 use of this product and, therefore, rotational crop injury is always possible.

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

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Except where otherwise stated on a SQUADRON DG Supplemental Label or in this label, DO NOT apply products containing chlorimuron ethyl (e.g. Classic, Canopy¹⁰, Gemini¹⁰, Lorox Plus¹⁰, Preview¹⁰, etc.), imazaquin (e.g. SCEPTER[®], SCEPTER[®] 70DG, TRI-SCEPT[®], etc.), imazethapyr (e.g. PURSUIT, PURSUIT[®] PLUS, PASSPORT[®], etc.) or flumetsulam (e.g. Broadstrike¹¹) the same year as SQUADRON DG because injury to follow crops may occur.

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

[®]Registered Trademarks of American Cyanamid Company

¹Registered Trademark of FMC Corporation

²Registered Trademark of Monsanto Agricultural Products Co.

^{3,7}Registered Trademarks of Zeneca Inc.

^{4,8,10}Registered Trademarks of E.I. du Pont de Nemours and Company

⁵Registered Trademarks of BASF Corporation

⁶Registered Trademark of Valent USA Corporation

⁹Registered Trademark of Miles Company

¹¹Registered Trademark of DowElanco Company.

WEED SCIENTIFIC NAMES

GRASSES

Barnyardgrass	(<i>Echinochloa crus-galli</i>)
Corn, volunteer	(<i>Zea mays</i>)
Crabgrass	(<i>Digitaria spp.</i>)
Crowfootgrass	(<i>Dactyloctenium aegyptium,</i>
Cupgrass, Woolly	(<i>Eriochloa villosa</i>)
Foxtail	
Giant	(<i>Setaria faberi</i>)
Green	(<i>Setaria viridis</i>)
Robust	(<i>Setaria spp.</i>)
Yellow	(<i>Setaria glauca</i>)
Goosegrass	(<i>Eleusine indica</i>)
Johnsongrass, seedling	(<i>Sorghum halepense</i>)
Fanicum	
Browntop	(<i>Panicum fasciculatum</i>)
Fall	(<i>Panicum dichotomiflorum</i>)
Texas	(<i>Panicum texanum</i>)
Sandbur, Field	(<i>Cenchrus incertus</i>)
Shattercane	(<i>Sorghum bicolor</i>)
Signalgrass, Broadleaf	(<i>Brachiaria platyphylla</i>)
Witchgrass	(<i>Panicum capillare</i>)

BROADLEAF WEEDS

Alligatorweed	(<i>Alternanthera philoxeroides</i>)
Beggarweed, Florida	(<i>Desmodium tortuosum</i>)
Bristly Starbur	(<i>Acanthospermum hispidum</i>)
Burcucumber	(<i>Sicyos angulatus</i>)
Carpetweed	(<i>Mollugo verticillata</i>)
Cocklebur, Common	(<i>Xanthium strumarium</i>)
Copperleaf, hophornbeam	(<i>Acalypha ostryifolia</i>)
Jimsonweed	(<i>Datura stramonium</i>)
Kochia	(<i>Kochia scoparia</i>)
Lambsquarters, Common	(<i>Chenopodium album</i>)
Mallow, Venice	(<i>Hibiscus trionum</i>)
Mexicanweed	(<i>Caperonia castanifolia</i>)
Morningglory	
Entireleaf	(<i>Ipomoea hederacea</i> var. <i>intergriuscula</i>)
Ivyleaf	(<i>Ipomoea hederacea</i>)
Palm Leaf	(<i>Ipomoea wrightii</i>)
Pitted	(<i>Ipomoea lacunosa</i>)
Smallflower	(<i>Jacquemontia tamnifolia</i>)
Tall	(<i>Ipomoea purpurea</i>)
Mustard Species	(<i>Brassica spp.</i>)
Nightshade, Eastern Black	(<i>Solanum ptycanthum</i>)

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Pigweed

- Palmer
- Redroot
- Smooth
- Spiny
- Waterhemp, Tall

- (*Amaranthus palmeri*)
- (*Amaranthus retroflexus*)
- (*Amaranthus hybridus*)
- (*Amaranthus spinosus*)
- (*Amaranthus tuberculatus*)

Poinsettia, Wild

(*Euphorbia heterophylla*)

Puncturevine

(*Tribulus terrestris*)

Purslane

(*Portulaca oleracea*)

Rusley, Florida

(*Richardia scabra*)

Ragweed

Common

(*Ambrosia artemisiifolia*)

Giant

(*Ambrosia trifida*)

Redweed

(*Melochia corchorifolia*)

Sesbania, hemp

(*Sesbania exaltata*)

Sicklepod

(*Cassia obtusifolia*)

Sida, Prickly (Teaweed)

(*Sida spinosa*)

Smartweed

Ladysthumb

(*Polygonum persicaria*)

Pennsylvania

(*Polygonum pennsylvanicum*)

Spurge

Annual

(*Euphorbia spp.*)

Prostrate

(*Euphorbia humistrata*)

Spotted

(*Euphorbia maculata*)

Sunflower, Common

(*Helianthus annuus*)

Texasweed

(*Caperonia palustris*)

Velvetleaf

(*Abutilon theophrasti*)

SEDGES

Nutsedge, Yellow

(*Cyperus esculentus*)