

PLEASE NOTE

This image contains more than one label approved for this product on this date.

241-327

09/30/1999 17 8 7-1

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060.



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
260845

Application for Pesticide - Section I

1. Company/Product Number 241-327	2. EPA Product Manager J. Tompkins	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) SQUADRON* Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) American Cyanamid Company P.O. Box 400 Princeton, NJ 08543-0400 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION SEP 30 1999
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of Revisions to SQUADRON* Main Label

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No <i>certification must be submitted</i>	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
	If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product		
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Rebecca L. Johnston	Title Product Registration Manager	Telephone No. (include Area Code) 609-716-2235
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Rebecca L. Johnston</i>	3. Title Product Registration Manager	
4. Typed Name Rebecca L. Johnston	5. Date 9-28-99	

SEP 30 1999

ACTIVE INGREDIENTS:

Ammonium salt of imazaquin (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-quinolinecarboxylic acid)*	3.65%
pendimethalin ((N-1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine)	21.96%
INERT INGREDIENTS**	74.39%
TOTAL	100.00%

*Equivalent to 3.46%, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-quinolinecarboxylic acid.

**Contains Petroleum Distillates

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

U.S. Patent No. 4,798,619

EPA Reg. No. 241-327

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 973-683-3100.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

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

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

See Additional Precautionary Statements Inside.



Net Contents:

®Registered Trademark of American Cyanamid Company

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

DANGER

Causes irreversible eye damage. Harmful if inhaled or absorbed through the skin. DO NOT get in eyes or on clothing. Avoid breathing vapor or spray mist. Avoid contact with skin. Use with adequate ventilation.

Personal Protective Equipment (PPE):

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions of category F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- * Long-sleeved shirt and long pants
- * Chemical-resistant gloves, such as Barrier Laminate or Butyl Rubber ≥14 mils or Nitrile Rubber ≥14 mils or Viton ≥14 mils
- * 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.

Engineering Controls:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.
- * Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into 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.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical 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 pesticide application.

Observe all cautions and limitations in this leaflet and on the labels of products used in combination with SQUADRON. DO NOT use SQUADRON other than in accordance with the instructions set forth on this label. The use of SQUADRON not consistent with this label can result in injury to crops, animals, or persons. Keep containers 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 24 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
- * Chemical-resistant gloves, such as Barrier Laminate or Butyl Rubber ≥ 14 mils or Nitrile Rubber ≥ 14 mils or Viton ≥ 14 mils.
- * Shoes plus socks
- * Protective eyewear

STORAGE AND DISPOSAL

STORAGE: KEEP FROM FREEZING. DO NOT STORE BELOW 40°F. SHAKE WELL BEFORE USING.

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 FOR 2.5 GALLONS:

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.

CONTAINER DISPOSAL FOR MINI BULK:

If program offered by dealer, return to point of purchase for repackaging. If no repackaging program is available, 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.

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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. 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 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.

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.

SQUADRON 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 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 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 soil treatment followed by a SCEPTER® O.T.® or Classic¹ postemergence treatment will control certain problem weeds. Use sequential treatments in recommended states only.

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

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 mitotic inhibiting mode of action. Other herbicides with the ALS/AHAS enzyme inhibiting mode of action include the sulfonyleureas (e.g., Accent¹, Basis⁴, Classic⁴, Concert⁴, Exceed⁷, Permit⁶, Pinnacle⁴, etc.), the sulfonamides (e.g., Broadstrike³, etc.) and the pyrimidyl benzoates (e.g., Staple⁶, etc.). Herbicides with the mitotic inhibiting mode of action include the other dinitroaniline herbicides such as PROWL⁴ 3.3 EC, TREFLAN³, TRI-4⁴HF, and Sonalan³. If naturally occurring biotypes are present in a field which are resistant to one of the herbicides in this premix and are not controlled by the other mode of action herbicide in this premix, SQUADRON 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 apply SQUADRON postemergence to soybeans as crop injury may occur.

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

DO NOT use SQUADRON other than in accordance with the instructions set forth on this label or approved supplemental labels.

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.

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 SQUADRON applications must be drained and thoroughly cleaned with water before being used to apply other products to these crops.

Apply SQUADRON 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 application and soybean harvest.

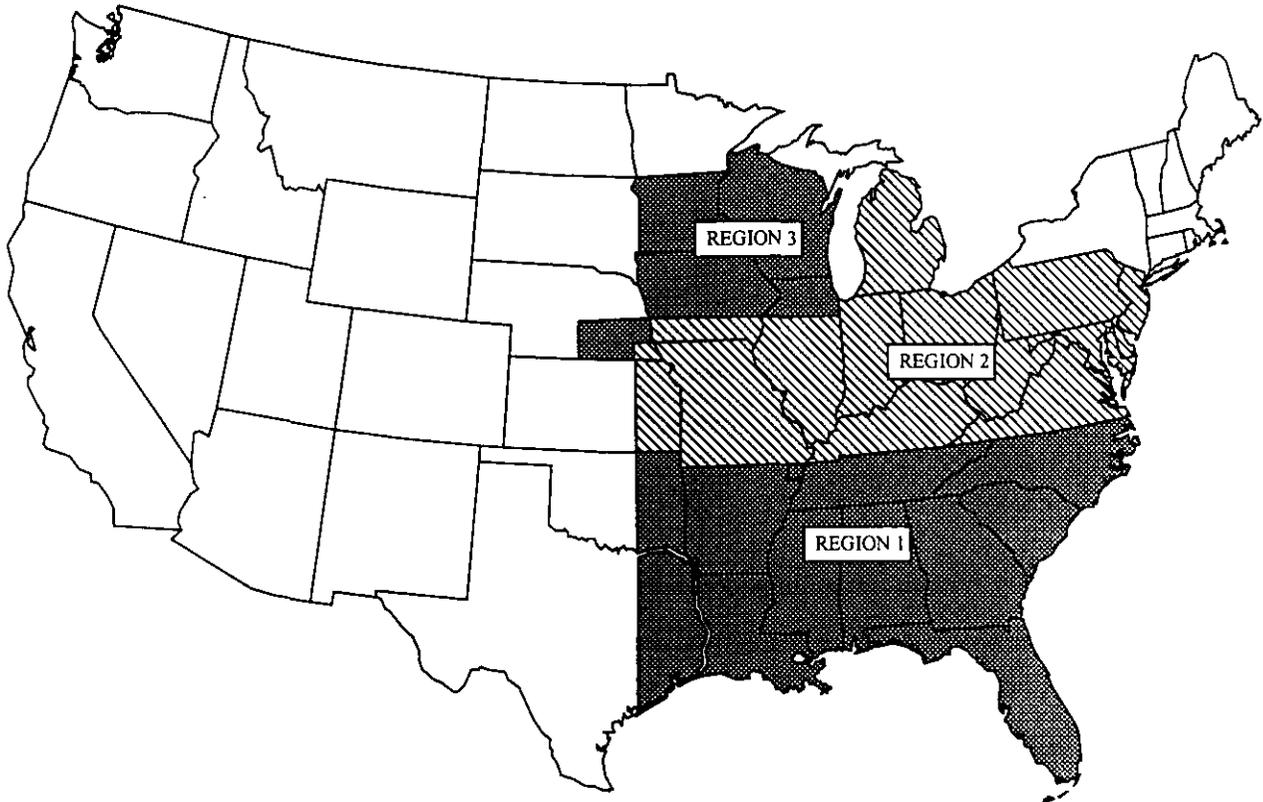
DO NOT graze or feed treated soybean forage, hay, or straw to livestock.

Use of SQUADRON 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 ROTATIONAL CROP RESTRICTIONS section.

Replanting: If replanting is necessary in a 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.

USE AREA

For use in soybeans, SQUADRON can be applied only in the states or parts of states shaded (and listed) below:



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

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WEEDS CONTROLLED

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

WEED	LEVEL OF CONTROL
BROADLEAF WEEDS	
Alligatorweed	Control
Beggarweed, Florida	Control ¹
Bristly Starbur	Control
Burcucumber	Control ²
Carpetweed	Control
Cocklebur, Common	Control
Copperleaf, Hophornbeam	Control ³
Jimsonweed	Control
Kochia	Control ⁴
Lambsquarters, Common	Control
Mallow, Venice	Control
Mexicanweed	Suppression
Morningglory	
Entireleaf	Control ⁵
Ivyleaf	Control ⁵
Palm Leaf	Control
Pitted	Control
Smallflower	Control
Tall	Control ⁵
Mustard Species	Control
Nightshade, Eastern Black	Control
Pigweed	
Palmer	Control
Redroot	Control
Smooth	Control
Spray	Control
Waterhemp, sp.	Control ⁶
Poinsettia, Wild	Control
Puncturevine	Control
Purslane	Control
Pusley, Florida	Control
Ragweed	
Common	Control
Giant	Control ⁷
Redweed	Control ²
Sesbania, hemp	Control ³
Sicklepod	Control ⁸
Sida, Prickly (Teaweed)	Control
Smartweed	
Lady thumb	Control
Pennsylvania	Control
Spurge	
Annual	Control
Prostrate	Control
Spotted	Control

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BROADLEAF WEEDS (Continued)

Sunflower, Common	Control
Texasweed	Suppression
Velvetleaf	Control ⁹

GRASSES

Barnyardgrass	Control
Corn, volunteer	Suppression ¹⁰
Crabgrass	Control
Crowfootgrass	Control
Cupgrass, Woolly	Suppression ²
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 ²
Signalgrass, Broadleaf	Control
Witchgrass	Control

SEDGES

Nutsedge, Yellow	Suppression ²
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¹ A soil application of SQUADRON 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 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 followed by Classic sequential program may be used only in Use Region 1 (except Oklahoma), Virginia and Kentucky.

² To obtain consistent control or suppression of these weeds under a wide range of environmental conditions, a preplant incorporated application is required. See SQUADRON plus Additional PROWL[®] 3.3 EC Herbicide Tank Mixture section for directions regarding woolly cupgrass and shattercane.

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 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. 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 If Kochia is resistant to ALS/AHAS inhibitors, then it will not be controlled by this or other products with the ALS/AHAS mode of action. A sequential program and/or a tankmix partner with another herbicide mode of action must be used to control ALS/AHAS-resistant Kochia.

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- 5 An application of SQUADRON will provide suppression of these weeds. For control of these morningglory species, the sequential program in FOOTNOTE 3 should be used.
- 6 If a heavy infestation of waterhemp sp. is anticipated, a tank mix of SQUADRON plus additional PROWL[®] 3.3 EC is required for control. For coarse textured soils add PROWL 3.3 EC at 0.6 pints/acre to the SQUADRON mix, for medium textured soils add PROWL 3.3 EC at 1.2 to 1.8 pints/acre to the SQUADRON mix, and for fine textured soils add PROWL 3.3 EC at 1.8 pints/acre to the SQUADRON mix. 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. A postemergence application of a diphenylether herbicide may be needed to control waterhemp sp. escapes, or for season-long control. Examples of diphenylether herbicides are STATUS¹, Blazer¹, Cobra³, Flexstar⁹, and Reflex⁹. Refer to individual product labels for specific uses and recommendations.
- 7 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.
- 8 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. 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 followed by Classic sequential program may be used only in Use Region 1 (except Oklahoma), Virginia and Kentucky.
- 9 A preplant incorporated application is recommended for velvetleaf control. A preemergence application of SQUADRON will aid in the control and reduce competition from velvetleaf.
- 10 A soil application of SQUADRON will suppress only those field corn hybrids which DO NOT possess tolerance or resistance to SQUADRON or other imidazolinone herbicides (e.g., PURSUIT[®] herbicide).

DIRECTIONS FOR CONVENTIONAL, MINIMUM, AND NO-TILL APPLICATIONS

APPLICATION RATE

Apply SQUADRON at a rate of 3.0 pints per acre either preplant incorporated or preemergence (including minimum and no-till systems). At this broadcast rate, one gallon of SQUADRON will treat 2.67 acres of soybeans.

APPLICATION INSTRUCTIONS

SQUADRON 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.

When weeds are present at time of application, see instructions for the addition of surfactant and fertilizer under section on Herbicide Combinations for Burndown in Conservation Tillage Systems.

Adequate moisture is required for activation of SQUADRON.

PREPLANT INCORPORATED APPLICATIONS

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

SQUADRON 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 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.

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PREEMERGENCE APPLICATIONS (including no-till)

Apply SQUADRON 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 in the soil. If sufficient rainfall or irrigation to activate SQUADRON 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.

SQUADRON is effective in controlling weeds in conservation tillage production systems. For enhanced burndown of existing vegetation in no-till or reduced tillage systems, SQUADRON may be applied prior to, in tank mix with, or following the use of either 2,4-D, Touchdown, Roundup Ultra, 2,4-DB, or Gramoxone Extra. Refer to the respective product labels for rates, methods of application, proper timing, weeds controlled, restrictions, and precautions. Plant soybeans at least one inch deep and adjust planters to ensure adequate seed coverage.

SURFACE APPLICATIONS MADE AFTER PLANTING

SQUADRON may be surface applied prior to planting both North and South of Highway I-80.

SQUADRON may be surface applied up to 2 days after soybean planting (before crop emergence) South of Highway I-80, and North of Highway I-80 in the Michigan counties of Berrien, Cass, St. Joseph, Branch, Hillsdale, Lenawee, Monroe, Van Buren, Kalamazoo, Calhoun, Jackson, Washtenaw, and Wayne ONLY. Do not apply SQUADRON preemergence in South Dakota.

HERBICIDE COMBINATIONS

In addition to those broadleaf herbicides specifically mentioned elsewhere in this label, SQUADRON applications may be followed by one or more of the following herbicides: STATUS, Basagran¹, Blazer, Cobra, Flexstar, Galaxy¹, Storm, Reflex, or Roundup Ultra. **DO NOT** apply Roundup Ultra or glyphosate-containing products postemergence to soybeans that are not glyphosate-resistant. For sequential treatments with SQUADRON and other products, a sufficient time period should occur between treatments to allow an appropriate assessment of weed control needs.

Heavy infestations of some broadleaf weeds such as common ragweed and giant ragweed, which germinate deep in the soil and may emerge at various times during the growing season, may require a cultivation or the application of a postemergence herbicide, such as a diphenylether (e.g., STATUS), for season long control.

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

SQUADRON must be used only in accordance with the directions on this label. Always follow the more restrictive label limitations and precautions when using tank mixes.

Soil Texture

The application rate of some herbicides which may be tank mixed with SQUADRON 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 Plus Additional PROWL 3.3 EC Herbicide Tank Mixture

PROWL 3.3 EC can be tank mixed with SQUADRON and applied preplant incorporated or preemergence if heavy or difficult to control infestations are anticipated from broadleaf and grass weeds listed in this leaflet. SQUADRON plus PROWL 3.3 EC must be applied preplant incorporated if shattercane or woolly cupgrass infestations are anticipated. Refer to the PROWL 3.3 EC label "Soybean Special Weeds" section for specific use rates, application methods and application timings based on soil texture and soil organic matter content.

Apply this tank mixture preplant incorporated north of Interstate 80.

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

NOTE: PROWL 3.3 EC rates are based on 3.3 pounds of active ingredient per gallon.

SQUADRON Plus Command 4EC Tank Mixture

Observe all precautionary statements in the Command 4EC label before using. SQUADRON 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 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.

When applied as directed, tank mixtures of SQUADRON 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 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.

SPECIAL PRECAUTION

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 and application instructions on the Command 4EC label.

SQUADRON Plus Metribuzin Tank Mixtures

Before using, observe all precautionary statements in the SQUADRON, Lexone¹ and Sencor² leaflet labels. SQUADRON may be applied in tank mix combination with Lexone or Sencor either preplant incorporated or preemergence, or SQUADRON 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 alone.

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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.

	<u>Sencor* Rate</u> 4 L	<u>Sencor or Lexone* Rate</u> 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.

**HERBICIDE COMBINATIONS FOR BURNDOWN
IN CONSERVATION TILLAGE SYSTEMS**

For burndown applications in conservation tillage systems:

- add an adjuvant or a surfactant to the spray mixture, AND
- a nitrogen-based fertilizer at 1-2 qt/acre, or ammonium sulfate (spray grade) at 2.5 lbs/acre
- ensure thorough coverage using a minimum of 10 gallons of water per acre, with a higher gallonage for fields with dense vegetation or heavy crop residues
- use appropriate nozzles to ensure thorough coverage
- use ground equipment only.

Adjuvant or Surfactant:

Use either a methylated seed oil concentrate (e.g., SUN-IT II[®]) or a crop oil concentrate at 1% v/v (1 gallon per 100 gallons of spray mixture), or a nonionic surfactant (containing at least 80% active ingredient) at 0.25% v/v (1 quart in 100 gallons of spray mixture).

Tank Mixtures with 2,4-D

2,4-D may be used with SQUADRON alone or in combination with other SQUADRON 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:

<u>2,4-D Formulation</u>	<u>Rate(lb a.i./A)</u>	<u>Minimum Days Before Planting</u>
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.

Tank Mixtures with 2,4-DB

2,4-DB may be used with SQUADRON alone or in combination with other SQUADRON 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.

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Tank Mixtures with Touchdown, or Roundup Ultra

When applied early preplant or preemergence, Touchdown or Roundup Ultra, may be mixed with SQUADRON for control of weeds common to no-till production. Always include an adjuvant or surfactant, and a nitrogen-based fertilizer or ammonium sulfate (spray grade) in the spray solution. Touchdown or Roundup Ultra will aid in the burndown of existing weeds, while SQUADRON controls non-emerged weeds and some emerged weeds.

The rate of Touchdown, or Roundup Ultra, for tank mixes with SQUADRON is the same as the rate of these products when used alone.

Observe all precautions and limitations on the Touchdown or Roundup Ultra product labels.

Tank Mixtures with Gramoxone Extra

Gramoxone Extra, at 1.5 to 2.5 pints per acre, may be used with SQUADRON alone or in combination with other tank mixes for the control of certain emerged grasses and broadleaf weeds. Use the 2.5 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.

SQUADRON FOLLOWED BY ROUNDUP ULTRA (GLYPHOSATE-RESISTANT SOYBEANS ONLY)

SQUADRON may be applied early preplant, preplant incorporated, or preemergence to Roundup Ready[®] soybeans for early season weed control and residual activity on broadleaf weeds and grass weeds. If weeds emerge later, Roundup Ultra or other glyphosate-containing products may be applied postemergence for weed control. For sequential treatments, a sufficient time period should elapse between treatments to allow an appropriate assessment of weed control needs.

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

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

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

MIXING INSTRUCTIONS

1. Fill the spray tank one-fourth to one-half full with clean water or liquid fertilizer. Prior to mixing SQUADRON or SQUADRON tank mixtures in liquid fertilizer, refer to appropriate label sections for each tank mix partner regarding instructions for use in liquid fertilizer.
2. SQUADRON Alone:
When using SQUADRON alone, add SQUADRON to the partially-filled tank while agitating and then fill the remainder of the tank with water or liquid fertilizer.

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3. SQUADRON Tank Mixtures:

Add the tank mixture ingredients, if used, in the order listed below:

- (a) Lexone or Sencor
- (b) Command 4EC
- (c) SQUADRON
- (d) PROWL 3.3 EC
- (e) 2,4-D, Touchdown, Roundup Ultra, 2,4-DB, or Gramoxone Extra
- (f) If used, add surfactant as the last ingredient in the tank.

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.

SPRAYING INSTRUCTIONS

NOTE: DO NOT make applications when spray may be carried by wind to sensitive crops. Sensitive crops include leafy vegetables, sugarbeets, and cotton.

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.

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.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops.

- 1. The distance of the outermost nozzles on the boom must not exceed ¼ the length of the wingspan or rotor.
- 2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information presented below.

INFORMATION ON DROPLET SIZE:

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see WIND, TEMPERATURE AND HUMIDITY, and TEMPERATURE INVERSIONS).

CONTROLLING DROPLET SIZE

- Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of Nozzles - Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is recommended practice. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

BOOM LENGTH

For some use patterns, reducing the effective boom length to less than ¼ of the wingspan or rotor length may further reduce drift without reducing swath width.

APPLICATION HEIGHT

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

SWATH ADJUSTMENT

When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller droplets, etc.).

WIND

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

SENSITIVE AREAS

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, or non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

Applicator is responsible for any loss or damage which results from spraying PURSUIT PLUS EC 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.

APPLICATIONS WITH FERTILIZERS**APPLICATIONS WITH LIQUID FERTILIZERS**

SQUADRON can be applied with liquid fertilizers, alone or in combination with PROWL 3.3 EC or Command 4EC. Follow all SQUADRON label recommendations regarding incorporation, timing of application, special instructions and precautions. For other SQUADRON 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. To prevent clogging, use only flood nozzles with no nozzle screens.

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/liquid fertilizer mixture.

LIQUID FERTILIZER COMPATIBILITY DETERMINATIONS

If a liquid fertilizer and herbicide(s) mixture separates in the spray tank, clogged equipment and uneven application can result, which can cause poor weed control and crop injury. Always predetermine the compatibility of SQUADRON alone or with PROWL 3.3 EC or Command 4EC in the specific liquid fertilizer to be used according to the following directions:

1. Add 1 pint of fertilizer to each of 2 one-quart jars.
2. Add 1/2 teaspoon of adjuvant to one jar.
3. (a) When using SQUADRON alone, add to each jar the correct amount of SQUADRON as specified in the table below.

(b) When using SQUADRON plus PROWL 3.3 EC or Command 4EC, first add the specified quantity of SQUADRON, then add the correct amount of PROWL 3.3 EC or Command 4EC.
4. Close both jars and shake thoroughly for 10 seconds. Let them stand for 30 minutes and then observe the results. Look for signs of separation, an oily layer or globules, sludge, flakes or other precipitates.
5. Determine compatibility:
 - (a) If the mixture without adjuvant does not separate, use this mixture in your spray tank.
 - (b) If the mixture with adjuvant does not separate, but the one without adjuvant separates, use the adjuvant mixture in your spray tank. Add the adjuvant to the liquid fertilizer as directed on the manufacturer's label.
 - (c) If either mixture separates, but mixes readily with shaking, the mixture can be used providing good agitation is maintained in the spray tank.
 - (d) If separation of the mixture occurs, and agitation and/or adjuvant does not correct the problem, DO NOT use the herbicide(s) in that specific liquid fertilizer.

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**Teaspoons of Specified Herbicide to be Added
to 1 Pint of Liquid Fertilizer Solution**

Gallons of Liquid Fertilizer to be Applied per Acre	PROWL 3.3 EC	SQUADRON	Command 4EC
20	1	2	1/3
30	2/3	1 1/2	1/4
40	1/2	1	1/6

APPLICATIONS WITH DRY BULK FERTILIZERS

SQUADRON may be impregnated on dry bulk fertilizers. When applied as directed, SQUADRON/dry bulk fertilizer mixtures provide weed control equal to that provided by the same rates of SQUADRON applied in water or liquid fertilizer.

Apply SQUADRON/dry bulk fertilizer mixtures only with ground equipment.

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling, and application are the responsibility of the individual and/or company selling the SQUADRON/dry bulk fertilizer mixture.

A minimum of 200 pounds and a maximum of 450 pounds of dry bulk fertilizer impregnated with the recommended amount of SQUADRON must be applied per acre.

DO NOT impregnate SQUADRON onto coated ammonium nitrate or limestone because these materials will not absorb the herbicide. Dry fertilizer blends containing mixtures of ammonium nitrate or limestone may be impregnated with SQUADRON. A minimum of 200 pounds of impregnated dry bulk fertilizer, excluding the weight of ammonium nitrate or limestone, must be applied per acre.

Apply SQUADRON at the rate of 3 pints per acre. Use the following table to determine the amount of SQUADRON to be impregnated on a ton of dry bulk fertilizer based on the rate of fertilizer which will be applied per acre.

**RATE CHART FOR IMPREGNATION OF DRY
BULK FERTILIZER WITH SQUADRON**

(Pints of SQUADRON per Ton of Fertilizer)

SQUADRON Rate Per Acre	Fertilizer Rate lbs/acre	Pints Per Ton
3 Pints	200	30
	250	24
	300	20
	350	17
	400	15
	450	13 1/3

For those rates not listed in this table, calculate the pints of SQUADRON to be impregnated on a ton of dry bulk fertilizer using the following formula:

$$\frac{2000}{\text{Pounds of dry fertilizer per acre}} \times 3 \text{ pints of SQUADRON per acre (recommended rate)} = \text{Pints of SQUADRON per ton of fertilizer}$$

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To impregnate SQUADRON on bulk fertilizer, use a closed rotary-drum mixer or other commonly used dry bulk fertilizer blender equipped with suitable spray equipment. Spray nozzles must be placed to provide uniform coverage of SQUADRON onto the fertilizer during mixing.

If PROWL 3.3 EC is to be combined with the SQUADRON prior to impregnation, premix the PROWL 3.3 EC with an equal volume of water before adding it to the SQUADRON. DO NOT mix undiluted PROWL 3.3 EC with SQUADRON.

Apply the SQUADRON/dry bulk fertilizer mixture with an accurately calibrated dry fertilizer spreader. The SQUADRON/dry bulk fertilizer mixture must be spread uniformly on the soil surface. Uneven spreading can cause poor weed control and crop injury.

ROTATIONAL CROP RESTRICTIONS

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

<u>CROP</u>	<u>USE REGION 1</u>	<u>USE REGION 2</u> (except Michigan ⁴)	<u>USE REGION 3</u>
Soybeans	No restrictions	No restrictions	No restrictions
Wheat	4 months	4 months ⁵	18 months ⁷
Rice	Spring following SQUADRON application	Spring following SQUADRON application ⁵	---
Barley	11 months	11 months ⁵	18 months
Field Corn (CLEARFIELD* corn ¹ seed hybrids)	9.5 months	9.5 months	9.5 months
Field Corn (non CLEARFIELD corn seed hybrids)	9.5 months ³	9.5 months ^{5,6}	18 months ^{7,8}
Edible Beans	11 months	11 months ⁵	11 months
Grain Sorghum	11 months	11 months ⁵	11 months
Oats	11 months	11 months ⁵	18 months
Peanuts	11 months	11 months ⁵	11 months
Tobacco ²	9.5 months	9.5 months ⁵	9.5 months
Sugar Beets & Red Table Beets	40 months	40 months	40 months
Other Crops	18 months	18 months	See FOOTNOTE 9

¹ 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.

² Tobacco may be planted 9.5 months following an application of SQUADRON at 3 pints per acre and no more than a total of 0.125 pounds of imazaquin applied per acre.

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3 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 application unless extreme drought conditions develop (less than 15 inches of rainfall or irrigation is received within 6 months following the date of application).

4 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.

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

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

6 For USE REGION 2 (except Michigan⁴) 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 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 application through November 15 of the same year).

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

7 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 application. In this geography, only field corn hybrids (CLEARFIELD corn) which possess tolerance or resistance to SQUADRON and other imidazolinone herbicides may be planted the spring of the year following an application of SQUADRON.

8 For USE REGION 3 as defined in the **USE AREA** section of this label, field corn (non CLEARFIELD corn) may be planted as a rotational crop 18 months following the application of SQUADRON unless extreme drought conditions develop (less than 15 inches of rainfall or irrigation is received from two weeks prior to the date of SQUADRON application through November 15 of the same year). If the minimum rainfall requirement is not met, field corn (non CLEARFIELD corn) may not be planted the spring of the year following the 18 month crop rotation period.

If the minimum rainfall requirement is not met, only field corn hybrids (CLEARFIELD corn) which possess tolerance or resistance to SQUADRON and other imidazolinone herbicides may be planted the spring of the year following the 18 month crop rotation period.

9 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 SQUADRON application. Other crops may be planted 18 months after a SQUADRON application.

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ROTATIONAL CROP RESTRICTIONS for a Classic application following SQUADRON 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.

Use of SQUADRON 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.

Application of products containing chlorimuron ethyl (e.g., Classic, Canopy⁴, Concert, Gemini⁴, Lorox Plus⁴, Preview⁴, Pinnacle, Synchrony⁴, etc.), imazaquin (e.g., DETAIL[®], SCEPTER[®], SCEPTER[®]70DG, SCEPTER[®]O.T.[®], STEEL[®], or TRI-SCEPT[®]), imazethapyr (e.g., PURSUIT[®], PURSUIT[®] PLUS EC, etc.), or flumetsulam (e.g. Broadstrike³) the same year as labeled rates of SQUADRON may increase the risk of injury to sensitive rotational crops. Consult labels for recommended usage of these products in combinations.

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

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¹ Trademarks of BASF Corporation

² Trademark of Bayer Corporation

³ Trademarks of Dow AgroSciences LLC

⁴ Trademarks of E.I. du Pont de Nemours and Company

⁵ Trademark of FMC Corporation

⁶ Trademarks of Monsanto Agricultural Products Co.

⁷ Trademarks of Novartis, Inc.

⁸ Trademark of Valent USA Corporation

⁹ Trademarks of Zeneca Inc.

¹⁰ Trademark of Agsco, Inc.

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WEED SCIENTIFIC NAMES

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</i> spp.)
Nightshade, Eastern Black	(<i>Solanum ptycanthum</i>)
Pigweed	
Palmer	(<i>Amaranthus palmeri</i>)
Redroot	(<i>Amaranthus retroflexus</i>)
Smooth	(<i>Amaranthus hybridus</i>)
Spiny	(<i>Amaranthus spinosus</i>)
Waterhemp, Tall	(<i>Amaranthus tuberculatus</i>)
Poinsettia, Wild	(<i>Euphorbia heterophylla</i>)
Puncturevine	(<i>Tribulus terrestris</i>)
Purslane	(<i>Portulaca oleracea</i>)
Pusley, Florida	(<i>Richardia scabra</i>)
Ragweed	
Common	(<i>Ambrosia artemisiifolia</i>)
Giant	(<i>Ambrosia trifida</i>)
Redweed	(<i>Melochia corchorifolia</i>)
Sesbania, hemp	(<i>Sesbania exaltata</i>)
Sicklepod	(<i>Cassia obtusifolia</i>)
Sida, Prickly (Teaweed)	(<i>Sida spinosa</i>)
Smartweed	
Ladysthumb	(<i>Polygonum persicaria</i>)
Pennsylvania	(<i>Polygonum pensylvanicum</i>)
Spurge	
Annual	(<i>Euphorbia</i> spp.)
Prostrate	(<i>Euphorbia humistrata</i>)
Spotted	(<i>Euphorbia maculata</i>)
Sunflower, Common	(<i>Helianthus annuus</i>)
Texasweed	(<i>Caperonia palustris</i>)
Velvetleaf	(<i>Abutilon theophrasti</i>)

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>)
Panicum	
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>)

SEDGES

Nutsedge, Yellow	(<i>Cyperus esculentus</i>)
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NEXT

LABEL



Application for Pesticide - Section I

1. Company/Product Number 241-327	2. EPA Product Manager J. Tompkins	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) SQUADRON® herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) American Cyanamid Company Agricultural Products Research Division P.O. Box 400 Princeton, NJ 08543-0400 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

SEP 30 1999

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Minor label changes.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
<i>certification must be submitted</i>		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Laura L. Whatley	Title Global Regulatory Manager	Telephone No. (Include Area Code) 609-716-2283
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Laura L. Whatley</i>	3. Title Global Regulatory Manager	
4. Typed Name Laura L. Whatley	5. Date <i>September 23, 1999</i>	



Supplemental Labeling

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EPA Reg. No. 241-327

NOTIFICATION

FOR USE IN SOYBEANS

SEP 30 1999

THIS LABEL EXPIRES DECEMBER 31, 2000

**FALL APPLICATION OF SQUADRON IN A PLANNED SEQUENTIAL PROGRAM
USING ROUNDUP¹ ULTRA ON ROUNDUP READY¹ SOYBEANS**

**FOR DISTRIBUTION AND USE ONLY IN THE STATES OF ILLINOIS, IOWA,
MINNESOTA (SEE USE AREA), NEBRASKA, AND WISCONSIN**

OBSERVE ALL PRECAUTIONARY STATEMENTS IN THE SQUADRON AND ROUNDUP ULTRA LABELING BEFORE USING. SEE THE SQUADRON LEAFLET LABEL FOR PRECAUTIONS, WORKER PROTECTION STANDARD REQUIREMENTS, APPLICATION INFORMATION, WEEDS CONTROLLED, USES WITH OTHER PRODUCTS AND ROTATIONAL CROP RESTRICTIONS.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. The use of SQUADRON herbicide not consistent with this labeling may result in injury to crops. **DO NOT** apply this product through any type of irrigation system.

This label must be in the possession of the user at the time of herbicide application.

GENERAL INFORMATION

SQUADRON provides control of many broadleaf and grass weeds when applied preplant or preemergence. SQUADRON may be applied in the late fall for control of weeds in no-till or conventional soybeans, rather than in the spring prior to planting. Treated areas should be planted to Roundup Ready soybeans in the following spring, and, if required, Roundup Ultra applied in-season in a planned sequential program.

USE RATE

Apply SQUADRON at the rate of 3 pints per acre. If heavy grass or waterhemp pressure is expected, add PROWL[®] 3.3 EC herbicide to the spray mixture at a rate of up to 1.25 pints per acre.

Apply Roundup Ultra at 1 to 1.5 pints per acre.

(see reverse side)

DIRECTIONS FOR USE

Apply SQUADRON after October 31, and prior to ground freeze-up in the winter. Fall and winter precipitation will activate the herbicide for control of most winter annual weeds and spring germinating weeds in no-till and conventional soybeans.

Roundup Ready soybeans should be planted in the spring following the fall application of SQUADRON. If weeds emerge in-season, Roundup Ultra may be applied postemergence for weed control.

For fall applications in no-till systems, ensure that fields are weed free prior to application. If not, apply a burndown application of Gramoxone² Extra, Touchdown², or Roundup Ultra to control existing weeds.

Refer to the SQUADRON product label for additional information on application instructions.

USE AREA

Fall applications of SQUADRON may be made only in the states of Illinois, Iowa, Minnesota (south of state highway 210), Nebraska, and Wisconsin.

ROTATIONAL CROP INFORMATION

Refer to rotational crop restrictions listed in the SQUADRON product label.

NOTE: For fall applications of SQUADRON, adjust the rotational crop intervals by basing the interval on the date of soybean planting rather than the date of herbicide application.

Use of SQUADRON 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.



[®]Registered Trademarks of American Cyanamid Company

¹Trademarks of Monsanto Agricultural Products Company

²Trademarks of Zeneca, Inc.



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THIS SUBMISSION DOES NOT CONTAIN 40 CFR PART 158 DATA

American Cyanamid Company
Agricultural Products Research Division
P.O. Box 400
Princeton, NJ 08543-0400
Phone (609) 716-2000
General Fax (609) 275-3582

September 23, 1999

Mr. James Tompkins
Product Manager (25)
Registration Division (H7505C)
Office of Pesticide Programs
U.S. Environmental Protection Agency
Crystal Mall Building No. 2, Rm. 266A
1921 Jefferson Davis Highway
Arlington, VA 22202

RE: SQUADRON® herbicide (EPA Reg. No. 241-327)
Notification of Minor Changes to Label allowing Fall Applications Followed by Spring Applications of Roundup Ultra (OPP Id. No. 259849)

Dear Mr. Tompkins:

American Cyanamid Company is notifying the Environmental Protection Agency of minor changes to the SQUADRON supplemental label allowing fall applications of SQUADRON followed by ROUNDUP Ultra applied in the spring (PE-21141 Rev. 1 9/15/99). The changes to the label are:

- Changed self-imposed expiration date to December 31, 2000
- Changed division name in address to "Global Agricultural Products Division"
- Changed copyright date to 1999
- Added label coding and date: PE-21141 Rev. 1 9/15/99

To support this notification, a label with changes marked is in the accompanying volume, along with the previously approved label (Exhibit 1). I have also enclosed 5 loose copies of the proposed label. Please call me at (609) 716-2283 if you have questions as you review the submission.

Sincerely,

Laura L. Whatley
Global Regulatory Manager
Global Regulatory Affairs

LLW:cdl
Encl.

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