

PM-25

Reg # 241-359

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NOV 20 1996

Ms. Janet M. Overholt  
American Cyanamid Co.  
P.O. Box 400  
Princeton, NJ 08543

Dear Ms. Overholt:

Subject: Amendment-Crop Intervals, Use Directions and Weed Species  
SQUADRON® Herbicide  
EPA Reg. No. 241-359  
Your submission dated Oct. 15, 1996

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable and a stamped copy is enclosed for your records.

Sincerely yours,

Robert J. Taylor  
Product Manager 25  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosure

**BEST AVAILABLE COPY**

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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**RESOLVE® SG**  
herbicide

**FOR USE IN IMI-CORN™ ONLY**

ACCEPTED  
~~with COMMENTS~~  
In EPA Letter Dated  
NOV 20 1995

**ACTIVE INGREDIENTS:**

Imazethapyr

(±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid

Sodium salt of Dicamba

(3,6-dichloro-*o*-anisic acid).....61.9%\*

INERT INGREDIENTS.....19.4%

TOTAL.....100.0%

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. 1867%

241-259

\*Equivalent to 56.25% 3,6-dichloro-*o*-anisic acid.

**RESOLVE SG in a water soluble bag.**

(1 bag contains 0.158 pounds of imazethapyr as the free acid, and 0.467 pounds of dicamba as the free acid)

EPA Reg. No. 241-359

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN**

**WARNING!/AVISO!**

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).

REC'D EPA/OPP/DPD1  
96 OCT 23 P 3:48

**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 ON SKIN:** Wash with plenty of soap and water. Get medical attention.
- IF SWALLOWED:** Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

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

Do not remove packets from container except for immediate use.  
See next page for additional precautionary statements.

American Cyanamid Company  
Agricultural Products Division  
Crop Protection Chemicals Department  
Wayne, NJ 07470 ©1996

Net Contents:

®™ Trademarks of American Cyanamid Company

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING!**

Causes substantial but temporary eye injury. Do not get in eyes, on skin or on clothing. Harmful if swallowed or absorbed through skin

**Personal Protective Equipment (PPE):**

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks
- protective eyewear.

**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.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

DO NOT apply directly to water, or areas where surface water is present, or to intertidal areas below the mean high water mark.

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.

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.

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

Observe all cautions and limitations on this label and on the labels of products used in combination with RESOLVE SG. Do not use RESOLVE SG other than in accordance with the instructions set forth on this label. The use of RESOLVE SG not consistent with this label may result in injury to crops.

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

### 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. 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

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

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** DO NOT reuse outer packaging. Dispose of outer packaging 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 RESOLVE SG.** 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 account of the purchase price of the American Cyanamid Company product.

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## GENERAL INFORMATION

RESOLVE SG can be applied postemergence (including spike stage) on IMI-CORN™ hybrids. Apply only on field corn hybrids (IMI-CORN) warranted by the seed company to possess resistance/tolerance to direct application of imazethapyr (PURSUIT®) herbicide. DO NOT apply RESOLVE SG to corn hybrids which lack resistance/tolerance to imazethapyr (PURSUIT) herbicide or severe injury may occur. Contact your seed supplier, chemical dealer or American Cyanamid to obtain information regarding IMI-CORN hybrids.

RESOLVE SG kills weeds by root and/or foliar uptake and rapid translocation to the growing points. Adequate soil moisture is important for optimum RESOLVE SG activity. When adequate soil moisture is present, RESOLVE SG 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.

Use of RESOLVE SG 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. Under some conditions (such as heavy texture soil, high organic matter, low pH or low rainfall) RESOLVE SG may cause injury to subsequent planted crops. See the ROTATIONAL CROP GUIDELINE section of this label for recommended rotation intervals to sensitive crops.

Crops growing under stressful environmental conditions can exhibit various injury symptoms which may be more pronounced if herbicides are used. Corn plants treated with RESOLVE SG may exhibit yellowing on new growth. Applications of RESOLVE SG during periods of rapid growth may result in temporary leaning or leaf curling. RESOLVE SG applications should be made when the air temperature is less than 85°F to minimize these responses. Such effects occur infrequently and are temporary. Normal growth and appearance should resume within 1 to 2 weeks.

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 growth regulating mode of action. Other herbicide with the ALS/AHAS enzyme inhibiting mode of action include the sulfonylureas (e.g. Accent™, Basis™, Classic™, Concert™, Exceed™, Permit™, Pinnacle™, etc.) the sulfonamides (e.g. Broadstrike™, etc.) and the pyrimidyl benzoates (e.g. Staple™, etc.). Herbicides with the growth regulating mode of action include the benzoic acid herbicides (e.g. Banvel™, Clarity™, etc.), the phenoxy acid herbicides (e.g. 2,4-D, 2,4-DB, etc.) and the pyridine herbicides (e.g. Stinger™). 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, RESOLVE SG 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 individual within a given species that has a slightly different, but distinct genetic makeup from other individuals.

**Replanting:** If replanting is necessary in a field previously treated with RESOLVE SG, the field may be replanted only to IMI-CORN™. Rework the soil no deeper than the treated zone. DO NOT apply a second treatment of RESOLVE SG.

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### MIXING INSTRUCTIONS

POSTEMERGENCE APPLICATIONS OF RESOLVE SG REQUIRE THE ADDITION OF AN ADJUVANT AND A LIQUID FERTILIZER SOLUTION<sup>1</sup>.

#### I. SURFACTANTS

Use a high quality nonionic surfactant containing at least 80% active ingredient. Apply the surfactant at the rate of 1 quart per 100 gallons of spray solution.

**AND**

#### II. LIQUID FERTILIZER SOLUTION

Recommended nitrogen based fertilizers include liquid fertilizers (such as 28%N, 32%N or 10-34-0) at the rate of 1-2 quarts per acre. Use the higher rate when weeds are under moisture or temperature stress. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 2.5 pounds per acre.

Fill the spray tank one-half to three-fourths full with clean water. Add the required number of RESOLVE SG water soluble packets to the spray tank while agitating. Add adjuvants and fill the remainder of the tank with water. An antifoam agent may be added if needed.

DO NOT use liquid fertilizer as a carrier for postemergence applications of RESOLVE SG herbicide.

#### SLURRY PREPARATION

RESOLVE SG may be slurried prior to addition to the spray tank

1. Add 1 to 2-water soluble packets per gallon of water.
2. Allow water soluble packets to dissolve for 3-5 minutes or until packets have ruptured.
3. Agitate slurry for 10 -15 minutes or until water soluble packets are completely in solution.
4. Transfer slurry to spray tank (begin spray tank agitation) filled half to three quarters full with clean water.

When tank-mixing RESOLVE SG with recommended herbicides, add the other herbicides and other components in the following order, while agitating:

1. Fill spray tank 1/2 to 3/4 full with clean water.
2. Add RESOLVE SG and thoroughly mix.
3. Add other aqueous solution products.
4. Add other soluble packet products and thoroughly mix.
5. Add WP (wetttable powder), DG (dispersible granule), DF (dry flowable), or LF (liquid flowable) formulations.
6. Add EC (emulsifiable concentrate) products.
7. Add surfactant to the spray tank.
8. Add liquid fertilizer.
9. While agitating, fill the remainder of the tank with water.

<sup>1</sup>RESOLVE SG applications may be made with a non-ionic surfactant only (liquid fertilizer not required) in the Bootheel of Missouri, Tennessee, South Carolina, Louisiana, and Georgia.

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When RESOLVE SG is used in combination with another herbicide, refer to the respective label for rates, methods of application, proper timing, weeds controlled, restrictions and precautions. Always use in accordance with the more restrictive label restrictions and precautions. No label dosages should be exceeded. RESOLVE SG cannot be mixed with any product containing a label prohibiting such mixtures.

### PROCEDURE FOR CLEANING SPRAY EQUIPMENT

The steps listed below are suggested for thorough cleaning of spray equipment following applications of RESOLVE SG herbicide or RESOLVE SG tank mixes.

- 1) Hose down thoroughly the inside as well as outside surfaces of equipment while filling the spray tank half full of water. Flush by operating sprayer until all rinse water is removed from the system.
- 2) Fill tank with water while adding 1 quart of house-hold ammonia for every 25 gallons of water. Operate the pump to circulate the ammonia solution through the sprayer system for 15 to 20 minutes and discharge a small amount of the ammonia through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
- 3) Flush the solution out of the spray tank through the boom.
- 4) Remove the nozzles and screens and flush the system with two full tanks of water.

The steps listed below are suggested for thorough cleaning of spray equipment used to apply RESOLVE SG herbicide as a tank mix with wettable powders (WP), emulsifiable concentrates (EC), or other types of water-dispersible formulations. RESOLVE SG herbicide tank mixes with water-dispersible formulations require the use of a water/detergent rinse.

- 5) Complete step 1.
- 6) Fill tank with water while adding 2 lbs. of detergent for every 40 gallons of water. Operate pump to circulate the detergent solution through the sprayer system for 5 to 10 minutes and discharge a small amount of the solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
- 7) Flush the detergent solution out of the spray tank through the boom.
- 8) Repeat step 1, and follow with steps 2, 3, and 4.

### SPRAYING INSTRUCTIONS

**GROUND APPLICATIONS:** Uniformly apply with properly calibrated ground equipment in 10 or more gallons of water per acre. A spray pressure of 20 to 40 psi is recommended. Use standard or extended range flat fan nozzles. Flood Jet nozzles should not be used. (See **SENSITIVE CROP PRECAUTIONS** section on the next page for application guidelines near sensitive crops.)

To ensure thorough coverage a minimum of 20 gallons of water per acre is recommended when applying RESOLVE SG herbicide to minimum till or no-till IMI-CORN™. Use higher gallonage for fields with dense vegetation or heavy crop residues.

Avoid overlaps when spraying.



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**AERIAL APPLICATIONS:** Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. Addition of a non-ionic surfactant AND fertilizer solution are required for optimum weed control; apply a non-ionic surfactant at the rate of 1 quart per 100 gallons of spray mixture AND a liquid fertilizer at the rate of 1 quart per acre. (See directions under MIXING INSTRUCTIONS.)

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

- Nozzle height above ground must be a maximum of 10 feet.
- Nozzles must be pointed towards 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. Coarse sprays (larger droplets) are less likely to drift.

Applicator is responsible for any loss or damage which results from spraying RESOLVE SG 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.

#### **SENSITIVE CROP PRECAUTIONS**

RESOLVE SG herbicide may cause injury to desirable trees and plants, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes and other broadleaf plants when contacting their roots, stems or foliage. These plants are most sensitive to RESOLVE SG herbicide during their development or growing stage. **FOLLOW THE PRECAUTIONS LISTED BELOW WHEN USING RESOLVE SG HERBICIDE.**

- Do not treat areas where either possible downward movement into the soil or surface washing may cause contact of RESOLVE SG herbicide with roots of desirable plants such as trees and shrubs.
- Avoid making applications when spray particles may be carried by air currents to areas where sensitive crops and plants are growing. Do not spray near sensitive plants if wind is gusty or in excess of 5 mph and moving in the direction of nearby sensitive crops. Leave an adequate buffer zone between area to be treated and sensitive plants. Coarse sprays are less likely to drift out of the target area than fine sprays.
- Use coarse sprays to avoid potential herbicide drift. Select nozzles which are designed to produce minimal amounts of fine spray particles such as Spraying Systems XR flat fans. A spray pressure of 20 psi and spray volume at or above 20 gpa, are recommended to reduce drift to sensitive crops.
- Agriculturally approved drift-reducing additives may be used.
- Do not apply RESOLVE SG herbicide in the vicinity of sensitive crops when the temperature on the day of application is expected to exceed 85°F as drift is more likely to occur.
- Do not use aerial equipment to apply RESOLVE SG herbicide when sensitive crops and plants are growing in the vicinity of area to be treated.

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- To avoid injury to desirable plants, equipment used to apply RESOLVE SG herbicide should be thoroughly cleaned (see PROCEDURE FOR CLEANING SPRAY EQUIPMENT) before reusing to apply any other chemicals.

### USE RATE

Apply RESOLVE SG at a broadcast rate of 5.33 ounces per acre. At this broadcast rate, one water soluble packet of RESOLVE SG will treat 2.5 acres of IMI-CORN.

NOTE: Only one application of RESOLVE SG may be made during the growing season.

### RESOLVE SG HERBICIDE USE AREA (Not for use in California or New York)

DO NOT apply RESOLVE SG to IMI-CORN in North Dakota or in Minnesota north of state highway 210.

### APPLICATION INSTRUCTIONS

RESOLVE SG is effective in controlling weeds in conservation tillage as well as in conventional production systems. Apply RESOLVE SG herbicide as a postemergence treatment to IMI-CORN when crop and weeds are actively growing. For postemerge applications, apply RESOLVE SG before weeds exceed a height of 3 inches, and before corn is 12 inches. Applications of RESOLVE SG may be made to corn from 12 to 36 inches using drop nozzles that direct the spray solution under the corn canopy to weeds. Weeds should be sprayed before they exceed a height of 3 inches when drop nozzles are used. RESOLVE applications to corn greater than 12 inches tall may result in stem brittleness or malformed brace roots. Delay application until the majority of the weeds are at the recommended growth stage. More restrictive crop growth stage limitations of tank-mix partners must be followed.

A nonionic surfactant and a liquid fertilizer must be added to the spray solution for optimum weed control activity. See the ADDITIVE section under MIXING INSTRUCTIONS for specific instructions.

For maximum weed control, cultivate 7-10 days following RESOLVE SG application. This timely cultivation will enhance residual weed control, especially under dry conditions.

RESOLVE SG applications should be made when air temperatures are less than 85°F to minimize drift to sensitive crops and reduce crop response during periods of rapid corn growth

If air temperatures reach or stay below 40°F for 10 or more hours, delay a RESOLVE SG application for 48 hours from the time temperatures increase above 40°F. Unusually cool temperatures (40°F or less) reduce photosynthesis and transpiration and thus reduce the uptake and translocation (and effectiveness) of RESOLVE SG herbicide in weeds.

RESOLVE SG should be applied a minimum of one hour before rainfall or overhead irrigation.

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## SEQUENTIAL HERBICIDE COMBINATIONS WITH RESOLVE SG HERBICIDE

RESOLVE SG may be used in sequential programs with registered burndown herbicides and/or registered soil applied atrazine-containing products and/or soil applied grass herbicides. RESOLVE SG is effective in controlling weed escapes from soil applied herbicide programs.

## TANK-MIX HERBICIDE COMBINATIONS WITH RESOLVE SG HERBICIDE

### Postemergence Applications of RESOLVE SG Tank- Mixed With

Accent <sup>TM2</sup>	Lasso MT <sup>TM</sup>
Dual	PROWL 3.3 EC herbicide
Frontier	Surpass
Harness <sup>TM</sup>	TopNotch
Lasso EC <sup>TM</sup>	

RESOLVE SG is active against many broadleaf and grass species. For long term weed management, RESOLVE SG contains two herbicides with different modes of action to reduce the potential for weed resistance. The application of a soil applied grass herbicide will control grass weeds not on the RESOLVE SG herbicide label.

When RESOLVE SG is used in combination with another herbicide, refer to the respective label for rates, methods of application, proper timing, weeds controlled, restrictions and precautions. Always use in accordance with the more restrictive label restrictions and precautions. No label dosages should be exceeded. RESOLVE SG cannot be mixed with any product containing a label prohibiting such mixtures.

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<sup>2</sup>If Accent is used in combination with RESOLVE SG on Pioneer or Ciba imidazolinone-resistant (IR, IMR) corn, any registered soil insecticide applications may be used. If other IMI-CORN hybrids are used in combination with RESOLVE SG plus Accent tankmixes, COUNTER 15 G® systemic insecticide-nematicide use is not recommended. Other registered organophosphate insecticides such as COUNTER CR® (banded applications only) or THIMET® soil and systemic insecticide or other registered carbamate or pyrethroid insecticides may be used when RESOLVE SG plus Accent tankmixes are applied to IMI-CORN hybrids. See the PRECAUTIONS section, page 16, for other insecticide use guidelines.

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**WEEDS CONTROLLED**

When applied as directed at the broadcast rate of 5.33 ounces per acre, RESOLVE SG herbicide will control or reduce competition from the weeds listed below.

NOTE: R = Reduced Competition

The number under Maximum Leaf Stage indicates the MAXIMUM number of leaves at which weeds should be sprayed postemergence.

**BROADLEAF WEEDS**

Weeds Controlled	POSTEMERGENCE	
	Maximum Leaf Stage	Size (inches)
Alligator weed	4	1-3
Anoda, spurred	2	1-2
Artichoke, Jerusalem	8	6-10
Buckwheat, wild	4	1-3
Buffalobur	4	1-3
Bristly starbur	2	1-2
Carpetweed	4	1-3
Cocklebur, common	8	1-8
Jimsonweed	4	1-3
Knotweed	4	1-3
Kochia	4	1-3
Lambsquarters, common	4	1-3
Mallow, Venice	4	1-3
Marshelder	4	1-3
Morningglory		
entireleaf	2	1-2
ivyleaf	4	1-3
pitted	2	1-2
smallflower	4	1-3
tall	4	1-3
Mustard sp.	4	1-3
Nightshade		
black	4	1-3
Eastern black	4	1-3
hairy	4	1-3
Pigweed		
palmer	8	1-8
prostrate	8	1-8
redroot	8	1-8
smooth	8	1-8
spiny	8	1-8
Puncturevine	4	1-8
Purslane, common	3	1-3
Pusley, Florida	3	1-3
Ragweed,		
common	4	1-3
giant	4	1-3
Sage, barnyard	R	1-3

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BROADLEAF WEEDS (Continued)

Weeds Controlled	POSTEMERGENCE	
	Maximum Leaf Stage	Size (inches)
Sicklepod*	3	1-3
Sida, prickly	3	1-4
Smartweed, ladysthumb	4	1-3
Pennsylvania	4	1-3
Spurge prostrate	4	1-3
spotted	4	1-3
Sunflower	4	1-3
Velvetleaf	4	1-3
Thistle, Canada	R	1-3
Waterhemp, tall	4	1-3

DO NOT count cotyledon leaves when determining weed stage of growth.

\* Additional applications of other broadleaf herbicides may be necessary to control subsequent flushes of sicklepod

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**GRASS WEEDS\***

Weeds Controlled	POSTEMERGENCE	
	Maximum Leaf Stage	Size (inches)
Barnyardgrass	3	1-3
Crabgrass,		
large	R	1-3
smooth	R	1-3
Cupgrass, woolly	R	1-3
Foxtail,		
giant	6	1-6
green	3	1-3
yellow	3	1-3
Johnsongrass,		
seedling	6	1-8
rhizome	R	1-8
Millet, wild proso	R	1-3
Red rice	3	1-3
Sandbur, field	R	≤1
Shattercane	6	1-8
Signalgrass, broadleaf	4	1-8
Sorghum alnum	6	1-3

**SEDGES**

Nutsedge		
purple	R	1-3
yellow	R	1-3

\*RESOLVE SG controls many grass species. However, when heavy grass pressure is anticipated, a companion rate of a soil applied grass herbicide underlay (such as PROWL<sup>®</sup> herbicide, DoublePlay<sup>™</sup>, Dual<sup>™</sup>, Eradicane<sup>™</sup>, Frontier<sup>™</sup>, Harness<sup>™</sup>, Lasso<sup>™</sup>, Surpass<sup>™</sup>, or TopNotch<sup>™</sup>) is recommended. Apply PROWL preemergence or early postemergence only.

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### ROTATIONAL CROPS

The following rotational crops may be planted after applying RESOLVE SG herbicide at the recommended rate in corn. Planting earlier than the recommended interval may result in crop injury: See page 15 for exceptions to the rotational crops guideline.

1. Anytime  
IMI-CORN
2. Four months after RESOLVE SG application:  
Alfalfa  
Rye  
Wheat<sup>4</sup>
3. Eight and one-half months after RESOLVE SG application:  
Field Corn  
Field corn grown for seed<sup>1</sup>
4. Nine and one-half months after RESOLVE SG application:  
Barley  
Edible beans and peas  
Peanuts  
Soybeans  
Tobacco  
Alfalfa
5. Eighteen months after RESOLVE SG application:  
Cotton  
Lettuce  
Oats  
Popcorn<sup>2</sup>  
Certain Vegetable Crops<sup>3</sup>  
Safflower  
Sorghum  
Sunflower  
Sweet corn<sup>2</sup>
6. Twenty six months after RESOLVE SG application:  
Potatoes  
Flax
7. Forty months after RESOLVE SG application\*\*\*:  
All crops not listed elsewhere in this ROTATIONAL CROP GUIDELINE

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

If the field is limed to adjust pH prior to planting rotational crops not listed in the ROTATIONAL CROP GUIDELINE, apply the lime at least 12 months prior to planting the rotational crop.

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## EXCEPTIONS TO ROTATIONAL CROP GUIDELINE

If corn is furrow irrigated, till the soil prior to planting winter wheat or barley. The beds should be broken up and the soil mixed with tillage equipment set to cut 4-6 inches deep.

<sup>1</sup>**Corn inbred lines:** Corn inbred seed lines may be planted the year following an application of RESOLVE SG. ~~Several seed companies have tested a wide range of inbreds for sensitivity to imazethapyr (an active ingredient in RESOLVE SG) soil residues and have reported good crop safety. However,~~ Due to the proprietary nature of seed production, American Cyanamid has not been given access to the inbred data. Growers are directed to contact the seed company for information and recommendations regarding the planting of corn grown for seed in fields treated with RESOLVE SG the previous year. Since growing conditions, environmental conditions, and grower practices are beyond the control of American Cyanamid Company, **ALL RISKS AND CONSEQUENCES ASSOCIATED WITH PLANTING SEED CORN INBREDS INTO FIELDS TREATED PREVIOUSLY WITH RESOLVE SG SHALL BE ASSUMED BY THE USER.**

<sup>2</sup>**Sweet corn and popcorn varieties:** (States of Iowa, Illinois, Indiana, Ohio, Wisconsin and Minnesota (south of Hwy. #210), only). Sweet corn and popcorn varieties may be planted the year following an application of RESOLVE SG. Some sweet corn and popcorn varieties may be injured when planted at less than 18 months following an application of RESOLVE SG herbicide. Before planting sweet corn for processing, contact the processor company for information and recommendations regarding the tolerance of sweet corn varieties planned for fields treated with RESOLVE SG the previous year. DO NOT plant fresh market sweet corn varieties prior to 18 months after RESOLVE SG use. Before planting popcorn varieties, contact the popcorn company for information and recommendations regarding the tolerance of popcorn varieties planned for fields treated with RESOLVE SG the previous year. Since growing conditions, environmental conditions and grower practices are beyond the control of American Cyanamid Company, **ALL RISKS AND CONSEQUENCES ASSOCIATED WITH PLANTING SWEETCORN OR POPCORN VARIETIES INTO FIELDS TREATED PREVIOUSLY WITH RESOLVE SG SHALL BE ASSUMED BY THE USER.**

Stunting and maturity delay or other adverse effects may result when sweet corn or popcorn are planted following RESOLVE SG use.

<sup>3</sup>**Certain vegetable crops:** (States of New Jersey, South Carolina, Georgia, Florida, Delaware, Maryland, Pennsylvania, Kentucky, and Indiana only). The following crops may be planted 18 months following the last application of RESOLVE SG: bahiagrass, cabbage, cantaloupe, cucumber, Irish potato, onion, sweet potato transplants, sweet pepper transplants, tomato transplants, and watermelon.

<sup>4</sup>Wheat may be planted 3 months following a RESOLVE SG application in areas east of Interstate highway I-35.

Use of RESOLVE SG 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.



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## PRECAUTIONS

In the event of a crop loss due to weather, IMI-CORN™ hybrids can be replanted following an application of RESOLVE SG herbicide. If RESOLVE SG was tank-mixed with other herbicides, the label restrictions for these herbicides must also be followed.

There should be an interval of at least 45 days between an application of RESOLVE SG and corn harvest (silage, fodder, or grain). DO NOT graze or feed treated corn forage, silage, fodder, or grain for at least 45 days after an application of RESOLVE SG.

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

American Cyanamid does not recommend using the following products the same year as RESOLVE SG on IMI-CORN or injury to follow crops may occur: CONTOUR®, PURSUIT, PURSUIT® PLUS EC herbicide.

## SOIL INSECTICIDE USE INFORMATION

### Pioneer IR or Ciba IMR Corn Hybrids

All registered soil insecticides, including labeled banded or in-furrow applications, may be used in combination with Pioneer or Ciba imidazolinone resistant (IR, IMR) corn hybrids and RESOLVE SG.

### Other IMI-CORN Hybrids (IT, PT, T, etc.)

COUNTER CR may be used in both banded and in-furrow applications and followed with RESOLVE SG applications. COUNTER 15G and THIMET may be applied in a band only and used in combination with RESOLVE SG. Other registered organophosphate, carbamate or pyrethroid insecticides may also be used in combination with RESOLVE SG applications. American Cyanamid has not tested all hybrids in which the imidazolinone tolerance trait is claimed and cannot be responsible for factors which are beyond its control, such as growing conditions, environmental conditions, grower practices and the specific genetics of each hybrid tolerance to herbicide and insecticide applications.

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For additional information regarding the use of RESOLVE SG herbicide, call telephone no. (800) 942-0500.

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Crop Protection Chemicals Department  
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™Dual and Exceed are Trademarks of Ciba-Geigy Corporation.

™Harness, Lasso, Lasso EC, Lasso MT and Permit are Trademarks of Monsanto Agricultural Products Company.

™Surpass, TopNotch, DoublePlay, and Eradicane are Trademarks of Zeneca Agrochemicals.

™Accent, Basis, Classic, Concert, Pinnacle and Staple are Trademarks of E.I. DuPont de Nemours and Company, Inc.