

PMS

11/1/93

5.500 INCHES

# RESTRICTED USE HERBICIDE

**DUE TO GROUND AND SURFACE WATER CONCERNS**

USERS MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS AND INSTRUCTIONS FOR USE IN ORDER TO MINIMIZE POTENTIAL FOR ATRAZINE TO REACH GROUND AND SURFACE WATER.  
FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USERS COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

PULL HERE TO OPEN  
PRESS TO RESEAL

# CONTOUR<sup>TM</sup>

herbicide

ACCEPTED

FEB 1 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, this product is a registered pesticide.  
EPA Reg. No. 241-353

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## FOR USE IN FIELD CORN

(Apply Only On IMI-Corn<sup>TM</sup> Hybrids)

<b>ACTIVE INGREDIENT:</b> Ammonium salt of imazethapyr	
(±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid*	4.36%
Atrazine: 2-chloro-4-ethylamino-6-isopropylamino-s-triazine	32.54%
<b>INERT INGREDIENTS</b>	63.10%
<b>TOTAL</b>	100.00%

\*Equivalent to 4.12% (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid  
CONTOUR contains 3.38 pounds of active ingredient per gallon (3.0 pounds of atrazine and 0.38 pounds acid equivalent of imazethapyr)

EPA Reg. No. 241-353

EPA Est. No. 32761-MD-3

**KEEP OUT OF REACH  
OF CHILDREN  
CAUTION  
¡PRECAUCION!**

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.)

Net Contents: 2.5 gallons (9.45 liters)

<sup>TM</sup> Trademarks of American Cyanamid Company

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

**NOTE TO PHYSICIAN:** There is no specific antidote for atrazine. If this product is ingested, induce emesis or lavage stomach. The use of an aqueous slurry of activated charcoal may be considered.

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

See Inside for Additional Precautionary Statements



**American Cyanamid Company**  
Agricultural Products Division  
Crop Protection Chemicals Department  
Wayne, NJ 07470 ©1994

12/94

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FRONT COVER

**PRINTING INFORMATION**

**FRONT COVER:** "RESTRICTED USE HERBICIDE" BOX, COPY WITHIN THE BOX, THE CONTOUR LOGO, <sup>TM</sup>, herbicide, 1/8" HORIZONTAL AND THE PEEL-DOWN ART PRINTS BLACK ON A WHITE BACKGROUND. THE COLOR PANEL PRINTS PMS 215 MAROON. ALL COPY AND LINE ART WITHIN THE COLOR PANEL REVERSES OUT WHITE.  
**SIZE:** CCL 2.5 GALLON 5 PANEL PLOT #10160 - 6/21/93  
**PRINT METHOD:**

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION!

Harmful if absorbed through skin. Avoid contact with skin and clothing. Wash thoroughly after handling. Remove contaminated clothes and wash before reuse.

#### Personal Protective Equipment (PPE):

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

Applicators and other handlers (other than mixers and loaders) must wear:

- long-sleeved shirt and long pants
- chemical-resistant gloves, such as barrier laminate or butyl rubber  $\geq$  14 mils or nitrile rubber  $\geq$  14 mils or neoprene rubber  $\geq$  14 mils or polyvinyl chloride (PVC)  $\geq$  14 mils or viton  $\geq$  14 mils
- chemical-resistant footwear plus socks

Mixers and Loaders must wear:

- long-sleeved shirt and long pants
- chemical-resistant gloves, such as barrier laminate or butyl rubber  $\geq$  14 mils or nitrile rubber  $\geq$  14 mils or neoprene rubber  $\geq$  14 mils or polyvinyl chloride (PVC)  $\geq$  14 mils or viton  $\geq$  14 mils
- chemical resistant footwear plus socks

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

#### User Safety Recommendations:

Users Should

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

#### ENVIRONMENTAL HAZARDS

This product contains atrazine. Atrazine can travel (seep or leach) through soil and can enter ground water which may be used as drinking water. Atrazine

has been found in ground water. Users are advised not to apply atrazine to sand and loamy sand soils where the water table (ground water) is close to the surface and where these soils are very permeable, i.e., well-drained.

Ground water contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

This product may not be mixed/loaded or used within 50 feet of all wells, including abandoned wells, drainage wells, and sink holes. This product may not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be applied aerially or by ground within 66 feet of the points where surface water runoff enters perennial or intermittent impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 foot buffer or setback from runoff entry points must be planted to crop, seeded with grass or other suitable crop.

Atrazine is toxic to aquatic invertebrates. DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 CONTOUR herbicide. Do not use CONTOUR other than in accordance with the instructions set forth on this label. The use of CONTOUR not consistent with this label may result in injury to crops. Keep containers closed to avoid spills and contamination.

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

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### AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

- coveralls
- chemical resistant gloves, such as barrier laminate or butyl rubber ≥ 14 mils or nitrile rubber ≥ 14 mils or neoprene rubber ≥ 14 mils or polyvinyl chloride (PVC) ≥ 14 mils or viton ≥ 14 mils
- chemical resistant footwear plus socks

### STORAGE AND DISPOSAL

**PROHIBITIONS:** KEEP FROM FREEZING. DO NOT store below 32°F. 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:** Triple rinse (or equivalent) Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration or, if allowed by State and local authorities by burning. If burned, stay out of smoke

### DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on research and field use. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with

use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, herbicide resistant weed populations, or the use of, or application of the product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company shall not be responsible for losses or damages resulting from use of this product in any manner not set forth on this label. User assumes all risks associated with the use of this product in any manner not specifically set forth on this label.

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above. **CYANAMID DOES NOT MAKE OR AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

**BUYER'S EXCLUSIVE REMEDY AND AMERICAN CYANAMID'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF CONTOUR.** 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.

American Cyanamid Company makes no other express or implied warranty, including other express or implied warranty of FITNESS or MERCHANTABILITY.

### 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

Apply CONTOUR herbicide only on selected field corn hybrids (IMI-Corn) warranted by the seed company to possess resistance/tolerance to direct applications of PURSUIT®. DO NOT apply CONTOUR to corn hybrids which lack resistance/tolerance to PURSUIT herbicide. Contact your seed supplier, chemical dealer or American Cyanamid to obtain information regarding IMI-Corn hybrids.

CONTOUR can be applied as an early preplant, preplant incorporated, preemergence, or postemergence on IMI-Corn hybrids. The application method of choice will depend on the anticipated weed spectrum and the preference of the applicator.

CONTOUR herbicide kills weeds by root and/or foliage uptake and rapid translocation to the growing points. Adequate soil moisture is important for optimum CONTOUR activity. When adequate soil moisture is present, CONTOUR 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 CONTOUR herbicide in accordance with label directions is expected to result in normal growth of rotational crops; 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 (see Rotational Crops Section for specific instructions).

Crops growing under stressful environmental conditions can exhibit various injury symptoms which may be more pronounced if herbicides are used. Corn plants treated with CONTOUR may exhibit yellowing on new growth. Such effects occur infrequently and are temporary. Normal growth and appearance should resume within 1 to 2 weeks.

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

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

Replanting. If replanting is necessary in a field previously treated with CONTOUR, the field may be replanted to IMI-Corn. Rework the soil no deeper than the treated zone. DO NOT apply a second treatment of CONTOUR.

### MIXING INSTRUCTIONS

POSTEMERGENCE APPLICATIONS OF CONTOUR HERBICIDE REQUIRE ADDITION OF AN ADJUVANT AND A LIQUID FERTILIZER SOLUTION.

#### I. ADJUVANTS

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

OR

**CROP OIL CONCENTRATE:** Instead of a surfactant, a petroleum or vegetable seed oil based crop oil concentrate (such as SUN-IT II™) may be used. SUN-IT II is recommended when weeds are under moisture or temperature stress. Use SUN-IT II, or other methylated seed oils, at the rate of 1.5 to 2 pints per acre (use the higher rate when weeds are at the maximum label size), or use a crop oil concentrate at 2 pints per acre.

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.

\* CONTOUR applications may be made with a non-ionic surfactant only (liquid fertilizer not required) in the states of Arkansas, Bootheel of Missouri, Tennessee, South Carolina, Louisiana, Mississippi, Alabama, and Georgia.

Fill the spray tank one-quarter to one-half full with clean water. Use a calibrated measuring device to measure the required amount of CONTOUR. Add CONTOUR to the spray tank while agitating. Add adjuvants and fill the remainder of the tank with water. Maintain agitation while spraying to ensure a uniform spray mixture. An antifoaming agent may be added to the tank if needed.

DO NOT apply CONTOUR with liquid fertilizer as a carrier for postemergence applications.

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

1. Fill spray tank 1/4 to 1/2 full with clean water
2. Add soluble packet products and thoroughly mix
3. Add WP (wettable powder), DG (dispersible granule), DF (dry flowable), or LF (liquid flowable) formulations

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4. Add CONTOUR and thoroughly mix.
5. Add aqueous solution products and thoroughly mix.
6. Add other EC (emulsifiable concentrate) products.
7. Add surfactant or crop oil to the spray tank.
8. Add liquid fertilizer.
9. While agitating, fill the remainder of the tank with water.

To avoid injury to sensitive crops, spray equipment used for CONTOUR applications must be drained and thoroughly cleaned with water before being used to apply other products. See the "Environmental Hazards" section of this label for precautions concerning products containing atrazine.

When CONTOUR 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. CONTOUR herbicide cannot be mixed with any product containing a label prohibiting such mixtures.

### 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.

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

Adjust the boom height to ensure proper coverage of weed foliage (according to the manufacturer's recommendation). Use only flat-fan nozzles for postemergence applications.

Avoid overlaps when spraying.

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

DO NOT apply by aerial application.

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

### USE RATE (1-1/3 PINTS PER ACRE)

Apply CONTOUR at a broadcast rate of 1 1/3 pints per acre for all methods of application: early preplant, preplant incorporated, preemergence (including minimum and no-till), and postemergence. At this

broadcast rate, one gallon of CONTOUR will treat 6 acres of IMI-Corn. This is equivalent to 0.063 lbs. imazethapyr and 0.5 lbs. atrazine active ingredient per acre.

NOTE: Only one application of CONTOUR herbicide may be made during the growing season.

Where there are state/local requirements regarding atrazine use (including lower maximum rates and/or higher set-backs) which are different from the label, the more restrictive/protective requirements apply.

### CONTOUR HERBICIDE USE AREA (Not for use in California)

DO NOT apply CONTOUR to IMI-Corn in North Dakota and in Minnesota north of state highway 210.

### APPLICATION INSTRUCTIONS POSTEMERGENCE

CONTOUR is effective in controlling weeds in conservation tillage as well as in conventional production systems. Apply CONTOUR herbicide as a postemergence treatment to IMI-Corn when crop and weeds are actively growing. Apply CONTOUR before weeds exceed a height of 3 inches, unless otherwise indicated and before corn reaches 12 inches in height. 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.

An adjuvant (either a surfactant or a crop oil concentrate) 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 a postemergence CONTOUR application. This timely cultivation will enhance residual weed control, especially under dry conditions.

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

CONTOUR herbicide should be applied a minimum of one hour before rainfall or overhead irrigation.

### SOIL APPLICATIONS

CONTOUR can be applied as an early preplant, preplant incorporated, or preemergence treatment in IMI-Corn. CONTOUR provides effective weed control in conservation tillage systems designed to meet conservation compliance requirements. It can also be applied in conventional, minimum tillage and

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no-till production systems. The application method of choice will depend on the anticipated weed spectrum and the preference of the applicator.

### SOIL APPLICATIONS WITH LIQUID FERTILIZERS

CONTOUR can be applied to the soil in liquid fertilizers, alone or in combination with PROWL® 3.3 EC herbicide (preemergence only, DO NOT incorporate PROWL), Eradicane Extra™, Sutan™, Lasso EC™, Lasso MT™, Harness Plus™, Surpass™, or Dual™. Follow all CONTOUR herbicide label recommendations regarding incorporation, timing of application, special instructions and precautions. Apply treatments in 20 or more gallons of liquid fertilizer per acre with ground equipment. Always test the compatibility of CONTOUR with the liquid fertilizer before mixing in the spray tank.

### PREPLANT INCORPORATED APPLICATIONS

CONTOUR may be applied following land preparation and should be thoroughly incorporated to a depth of 1 to 2 inches. Application may be made up to 45 days prior to planting. Mechanical incorporation can be achieved by one of the following:

- (a) Disk harrow set to cut 3 to 4 inches deep and operated at 4 to 6 mph with the second pass at an angle to the first.
- (b) PTO-driven equipment (tillers, cultivators, hoes) set to cut 2 to 3 inches deep and operated one time at 4 mph or less.
- (c) Rolling cultivator set to cut 2 to 4 inches deep and operated two times at 6 to 8 mph with the second pass at an angle to the first. Use only on coarse textured soils.
- (d) Field cultivator with 3 or 4 rows of sweeps (Do not use chisel points), spaced at intervals of 7 inches or less and staggered so that no soil is left unturned, set to cut 3 inches deep, and operated two times at more than 5 mph with the second pass at an angle to the first.
- (e) LELY-ROTERRA™ set and operated according to the manufacturer's directions to thoroughly incorporate CONTOUR to a depth of 1 to 3 inches.
- (f) Do-All set and operated according to the manufacturer's directions to incorporate CONTOUR herbicide 1 to 3 inches deep and operated at 4 to 6 mph.

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

### PREEMERGENCE (SURFACE APPLICATIONS)

CONTOUR offers flexibility in that it can be utilized in all production tillage systems. It can be applied prior to planting or at planting in conventional, reduced tillage or no-till production systems.

Adequate soil moisture is required for optimum activity. For surface applications, rainfall or overhead irrigation is necessary to move CONTOUR into the weed germination zone. 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 a surface-applied treatment, then a cultivation is recommended to control escaped weeds. When adequate moisture is received after dry conditions, CONTOUR 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.

### PREPLANT

#### CONVENTIONAL TILLAGE:

Apply CONTOUR herbicide treatments up to 45 days before planting, during planting, or after planting. If moisture is insufficient, a thorough shallow tillage (preferably with a rotary hoe) or cultivation is recommended to improve weed control.

#### NO-TILL OR REDUCED TILLAGE:

Apply CONTOUR treatments up to 45 days before planting, during planting, or after planting. To ensure thorough coverage, use a minimum of 20 gallons of water per acre. Use higher gallonage for fields with dense vegetation or heavy crop residues.

NOTE: Adjust planters to ensure adequate seed coverage.

### SEQUENTIAL HERBICIDE COMBINATIONS WITH CONTOUR HERBICIDE

#### CONTOUR FOLLOWING EARLY PREPLANT APPLICATIONS OF:

2,4-D	Gramoxone Extra™
Bicep™	Bicep Lite™
Bronco™	Harness Plus
Bullet™	Lasso EC
Dual	Lasso MT
Extrazine II™	Roundup™
Frontier	Surpass

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**CONTOUR FOLLOWING PREPLANT INCORPORATED APPLICATION OF:**

Atrazine <sup>2</sup>	Frontier
Bicep, Bicep Lite	Harness Plus
Bullet	Lariat™
Dual	Lasso EC, Lasso MT
Eradicane Extra	Surpass
Extrazine II	Sutan*

**CONTOUR FOLLOWING PREEMERGENCE APPLICATION OF:**

Atrazine	Extrazine II
Banvel™	Frontier
Bicep, Bicep Lite	Harness Plus
Bladex™ 4L	Lariat
Bladex 90DF	Lasso EC
Bronco	Lasso MT
Bullet	Marksman™
Clarity™	PROWL 3.3 EC
Dual	Surpass

**TANK-MIX HERBICIDE COMBINATIONS WITH CONTOUR HERBICIDE**

**EARLY PREPLANT APPLICATION OF CONTOUR TANK-MIXED WITH:**

2,4-D	Harness Plus
Bronco	Lasso EC
Dual	Lasso MT
Frontier	Roundup
Gramoxone Extra	Surpass

**PREPLANT INCORPORATED APPLICATION OF CONTOUR TANK-MIXED WITH:**

Atrazine	Frontier
Bicep, Bicep Lite	Harness Plus
Bullet	Lariat
Dual	Lasso EC, Lasso MT
Eradicane Extra	Surpass
Extrazine II	Sutan*

**PREEMERGENCE APPLICATION OF CONTOUR TANK-MIXED WITH:**

Atrazine	Extrazine II
Banvel	Frontier
Bicep, Bicep Lite	Harness Plus
Bladex 4L	Lariat
Bladex 90DF	Lasso EC
Bronco	Lasso MT
Bullet	Marksman
Clarity	PROWL 3.3 EC
Dual	Surpass

**POSTEMERGENCE APPLICATIONS OF CONTOUR TANK-MIXED WITH:**

Atrazine <sup>1,2</sup>	Lasso EC
Dual	Lasso MT
Frontier	PROWL 3.3 EC

CONTOUR herbicide is active against many broad-leaf and grass species. However, for long term weed management, alternate mode of action herbicides are recommended with CONTOUR. The application of a soil applied grass herbicide underlay will control grass weeds not on the CONTOUR label and enhance the control of certain broadleaf weeds such as common lambsquarters.

When CONTOUR herbicide 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. CONTOUR cannot be mixed with any product containing a label prohibiting such mixtures.

**CONTOUR WITH ADDITIONAL ATRAZINE AS A TANK-MIX OR SEQUENTIAL TREATMENT.** CONTOUR is active on many broadleaf and grass weeds. However, under conditions of heavy or difficult to control weed pressure, CONTOUR may be tank-mixed or applied sequentially with additional atrazine. A total of 1.5 lbs active ingredient atrazine per acre or less (as local regulations require) may be added.

<sup>1</sup> In some cases the grass activity of CONTOUR will be reduced when used in combination with atrazine.

<sup>2</sup> Some corn leaf burn may result with atrazine postemergence combinations with CONTOUR.

**WEEDS CONTROLLED**

When applied as directed at the broadcast rate of 1-1/3 pints per acre, CONTOUR herbicide will control or reduce competition from the weeds listed below.

NOTE: C = Control, 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	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (inches)
Anoda spurred	C	2	1-2
Artichoke Jerusalem		8	6-10
Buffalobur	C*		
Redtop starbur		2	1-2
Carpetweed	C		
Cocklebur common	C	8	1-8
Feltria	C	2	1-4
Gambusia	C		
Jimsonweed	C*	4	1-3

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WEEDS CONTROLLED	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (inches)
Kochia	C	4	1-3
Lambsquarters, common	C	2	1-2
Mallow, Venice	C	2	1-3
Marshelder	C	4	1-3
Morningglory			
entireleaf	R	2	1-2
ivyleaf	R	2	1-2
pitted	R	2	1-2
smallflower	C	4	1-3
tall	R	2	1-2
Mustard sp.	C	4	1-3
Nightshade			
black	C	4	1-3
Eastern black	C	4	1-3
hairy	C	4	1-3
Pigweed			
palmer	C	8	1-8
redroot	C	8	1-8
smooth	C	8	1-8
spiny	C	8	1-8
Poinsettia, wild	C		
Puncturevine	C		
Furslane, common	C	2	1-3
Pusley, Florida	C		
Sida, prickly	C*	2	1-3
Ragweed,			
common	C	4	1-3
giant	C	4	1-3
Sage, barnyard	R		1-3
Smartweed			
ladysthumb	C	4	1-3
Pennsylvania	C	4	1-3
Spurge			
prostrate	C	4	1-3
spotted	C	4	1-3
Sunflower	C*	4	1-3
Velvetleaf	C	4	1-3
Thistle, Canada	R		1-3
Thistle, Russian	C	2	1-3
Waterhemp tall	C	4	1-3

\* When CONTOUR is soil applied, these weeds are more consistently controlled by preplant incorporated treatments.

Do not count cotyledon leaves when determining weed stage of growth.

## GRASS WEEDS\*

WEEDS CONTROLLED	SOIL APPLIED	POSTEMERGENCE	
		Maximum Leaf Stage	Size (inches)
Barnyardgrass	R	3	1-3
Crabgrass,			
large	R	3	1-3
smooth	R	3	1-3
Cupgrass, woolly	R	3	1-3
Foxtail,			
giant	C	6	1-6
green	C	3	1-3
yellow	C	3	1-3
Goosegrass	R		
Johnsongrass,			
seedling	R	6	1-8
rhizome		R	1-8
Millet, wild proso	R	R	1-3
Panicum,			
fall	R		
Texas	R		
Red rice		3	1-3
Sandbur, field	R	R	≤ 1
Shattercane	R	6	1-8
Signalgrass, broadleaf	R	4	1-8
Sorghum alnum	R	6	1-3

## SEDGES

Nutsedge			
purple	R	R	1-3
yellow	R	R	1-3

\* When CONTOUR is applied to grasses, preplant incorporated treatments are more consistent.

## ROTATIONAL CROPS

The following rotational crops may be planted after applying CONTOUR at the recommended rate in corn.

- Anytime  
IMI Corn
- Eight and one-half months after CONTOUR application  
Field corn  
Field corn grown for seed\*

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3. Nine and one-half months after CONTOUR application:
- Barley
  - Edible beans and peas  
(including lima beans and Southern peas)
  - Soybeans
  - Peanuts
  - Rye
  - Tobacco
  - Wheat

4. Eighteen months after CONTOUR herbicide application:

Alfalfa	Popcorn
Cotton	Safflower
Lettuce	Sorghum
Oats	Sweet corn

5. Twenty six months after CONTOUR application:

All crops not listed elsewhere in this  
**ROTATIONAL CROPS GUIDELINE.**

6. Forty months after CONTOUR application:  
Sugarbeets

\* Several seed companies have tested a wide range of inbreds for sensitivity to imazethapyr 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 CONTOUR 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 CONTOUR herbicide shall be assumed by the user.

Use of CONTOUR 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

### PRECAUTIONS

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

In the event of a crop loss due to weather, IMI-Corn hybrids can be replanted. If CONTOUR is tank-mixed with other herbicides, the most restrictive precautions must be followed.

There should be an interval of at least 45 days between an application of CONTOUR 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 CONTOUR.

American Cyanamid recommends products containing primisulfuron (Beacon) or imazethapyr (CONTOUR, PURSUIT, PURSUIT<sup>®</sup> PLUS, PASSPORT<sup>®</sup>, RESOLVE SG) NOT be applied to IMI-corn the same year as CONTOUR or injury to follow crops may occur. If nicosulfuron is applied in the same year as an application of CONTOUR, injury to sensitive follow crops may occur.

All soil insecticides may be used with CONTOUR herbicide applications on Pioneer IR hybrids.

Other imidazolinone tolerant corn hybrids may occasionally exhibit injury symptoms when soil insecticides are used in combination with CONTOUR. Use banded applications of COUNTER<sup>®</sup> 15G, COUNTER<sup>®</sup> 20CR<sup>®</sup> or THIMET in combination with CONTOUR application; DO NOT USE COUNTER 15G soil insecticide in-furrow with imidazolinone tolerant hybrids. American Cyanamid has not tested all hybrids in which the 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 which may influence tolerance. Growers should contact the seed company for information regarding specific hybrid tolerance to herbicide and insecticide applications.

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

• Registered Trademark of American Cyanamid Company

<sup>™</sup> Accent, Bladex 4L, Bladex 90DF and Extrazine II are Trademarks of E I DuPont de Nemours and Company, Inc.

<sup>™</sup> Banvel, Clarity, Frontier and Marksman are Trademarks of Sandco Crop Protection Corporation.

<sup>™</sup> Beacon, Bicep, Bicep Lite are Trademarks of Ciba Geigy Corporation.

<sup>™</sup> Bronco, Bullet, Harness Plus, Lanat, Lasso EC, Lasso MT and Roundup are Trademarks of Monsanto Agricultural Products Company.

<sup>™</sup> Dual is a Trademark of Ciba Geigy Corporation.

<sup>™</sup> Gramoxone Extra, Sutan, Eradicane Extra and Surpass are Trademarks of Zeneca, Inc.

<sup>™</sup> FLY-NOT-GRASS is a Trademark of ICI.

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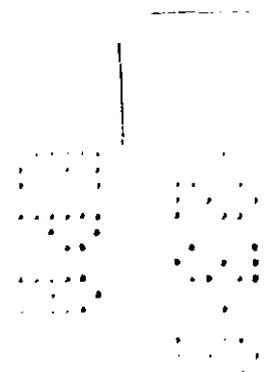


**CYANAMID**

American Cyanamid Company  
Agricultural Products Division  
Crop Protection Chemicals Department  
Wayne, NJ 07470 ©1994

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# RESTRICTED USE HERBICIDE

DUE TO GROUND AND SURFACE WATER CONCERNS

USERS MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS AND INSTRUCTIONS FOR USE IN ORDER TO MINIMIZE POTENTIAL FOR ATRAZINE TO REACH GROUND AND SURFACE WATER.

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USERS COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION

# CONTOUR

herbicide

**FOR USE IN FIELD CORN**  
(Apply Only On IMI-Corn™ Hybrids)

<b>ACTIVE INGREDIENT:</b> Ammonium salt of imazethapyr	
(±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid	4.66%
Atrazine: 2-chloro-4-ethylamino-6-isopropylamino-s-triazine	32.54%
<b>INERT INGREDIENTS</b>	63.10%
<b>TOTAL</b>	100.00%

\*Equivalent to 4.12% (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid  
CONTOUR contains 3.38 pounds of active ingredient per gallon  
(3.0 pounds of atrazine and 0.38 pounds acid equivalent of imazethapyr)

EPA Reg. No. 241-353

EPA Est. No. 32761-MO-3

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION/¡PRECAUCION!**

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

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

**NOTE TO PHYSICIAN:** There is no specific antidote for atrazine. If this product is ingested, induce emesis or lavage stomach. The use of an aqueous slurry of activated charcoal may be considered.



Net Contents: 2.5 gallons (9.45 liters)  
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In case of an emergency endangering life or property involving this product, call collect, day or night, area code 201-835-3100.

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

**CAUTION!**

Harmful if absorbed through skin. Avoid contact with skin and clothing. Wash thoroughly after handling. Remove contaminated clothes and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This product contains atrazine. Atrazine can travel (seep or leach) through soil and can enter ground water which may be used as drinking water. Atrazine has been found in ground water. Users are advised not to apply atrazine to sand and loamy sand soils where the water table (ground water) is close to the surface and where these soils are very permeable, i.e., well-drained.

Ground water contamination may be reduced by diving and flooring of permanent liquid bulk storage sites with an impermeable material.

This product may not be mixed/loaded or used within 50 feet of all wells, including abandoned wells, drainage wells, and sink holes. This product may not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be applied aerially or by ground within 66 feet of the points where surface water runoff enters perennial or intermittent impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 foot buffer or setback from runoff entry points must be planted to crop, seeded with grass, or other suitable crop.

Atrazine is toxic to aquatic invertebrates. DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. 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.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to label for "Agricultural Use Requirements" in the Directions For Use section for information about this standard.

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 precautions, instructions, and other labels of products used in combination with CONTOUR herbicide. Do not use CONTOUR other than in accordance with the instructions set forth on this label. The use of CONTOUR and compatible with this herbicide, result in apply to crop. Keep container closed to avoid spills and contamination.

DO NOT apply the product through a spray application system. See container label for complete directions for use.

**STORAGE AND DISPOSAL**

**PROHIBITIONS:** NEVER REFRIGERATE, DO NOT store near food or feed. 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 pesticide disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or as directed by state and local authorities by burning. If burned, stay out of smoke. See container label for disposal.

EASE LABEL

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**PRINTING INFORMATION - BASE LABEL**

LEFT HAND COLUMN: "RESTRICTED USE HERBICIDE" BOX AND COPY WITHIN THE BOX, THE CONTOUR LOGO, TM AND herbicide AND 1/8" HORIZONTAL RULE PRINTS BLACK ON A WHITE BACKGROUND. THE LOWER LEFT HAND COLUMN PRINTS PMS 215 MAROON. ALL COPY AND LINE ART WITHIN THE COLOR PANEL REVERSES OUT WHITE.

RIGHT HAND COLUMN: ALL COPY AND LINE ART WITHIN THE RIGHT HAND COLUMN PRINTS BLACK ON A WHITE BACKGROUND.

SIZE: (C) 2.5 GALLON BASE LABEL # 01 410192 901493

PRINT METHOD