

241-415

12/18/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

DEC 18 2001

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Mr. William S. Clayton  
BASF Corporation  
P.O. Box 400  
Princeton, NJ 08543-0400

Dear Mr. Clayton:

Subject: Label Amendment  
BACKDRAFT SL Herbicide  
EPA Reg. No. 241-415  
Your submission dated October 9, 2001

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

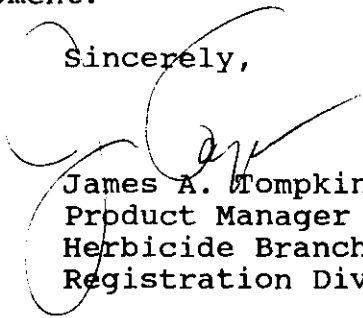
As previously noted on the most recent amendment for this label approved on August 27, 2001 (see attachment), please include the following text.

Under the heading, Environmental Hazards, add the following:

Do not contaminate water when **cleaning equipment or** disposing of equipment washwaters.

Submit one (1) copy of your final printed labeling before you release the product for shipment.

Sincerely,

  
James A. Tompkins  
Product Manager (25)  
Herbicide Branch  
Registration Division (7505C)

# BACKDRAFT™ SL herbicide

## FOR USE ON ROUNDUP<sup>1</sup> READY SOYBEANS

DEC 18 2001  
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 241-415

### ACTIVE INGREDIENTS:

**Imazaquin:** (2-[4.5-dihydro-4-methyl-4-(1-methyl-ethyl)-5-oxo-1H-imidazol-2-yl]-3-quinolinecarboxylic acid ..... 0%

**Glyphosate:** N-phosphonomethylglycine, in the form of its isopropylamine salt ..... 13.6%

ACCEPTED with COMMENTS In EPA Letter Dated

**INERT INGREDIENTS:** ..... 84.7%

**TOTAL** ..... 100.0%

BACKDRAFT SL contains 1.35 pounds of active ingredient per gallon (0.15 pounds acid equivalent of imazaquin and 1.20 pounds of glyphosate as the isopropylamine salt).

EPA Reg. No. 241-415

EPA Est. No.

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

### 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 the label, find someone to explain it to you in detail.)

### 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 on skin or clothing:** 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.

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

See Inside for Additional Precautionary Statements.

In case of an emergency endangering life or property involving this product, call day or night 800-832-HELP.

### Net Contents:

<sup>TM</sup>Trademark of BASF  
<sup>1</sup>Registered Trademark of Monsanto Agricultural Products Company.

7/01  
NVA 2001-04-107-186

**BASF Corporation**  
26 Davis Drive  
Research Triangle Park, NC 27709



## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

#### **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 A on an EPA chemical-resistant category selection chart.

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- chemical resistant gloves, such as butyl rubber  $\geq 14$  mils, or natural rubber  $\geq 14$  mils, or neoprene rubber  $\geq 14$  mils, or nitrile rubber  $\geq 14$  mils.
- shoes plus socks

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.

#### **User Safety Recommendations:**

User 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

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 contaminate water when disposing of equipment washwaters.

This product 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. 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.

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

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

### 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 plant, soil, or water, is:

- coveralls
- chemical resistant gloves, such as butyl rubber  $\geq 14$  mils, or natural rubber  $\geq 14$  mils, or neoprene rubber  $\geq 14$  mils, or nitrile rubber  $\geq 14$  mils.
- shoes plus socks

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Do not store below 0°F. If the product freezes, store at room temperature to thaw. Shake well before using. Keep containers closed to avoid spills and contamination.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved 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 (e.g. low or high temperatures, wet or dry soils), poor agronomic conditions (e.g. inadequate fertility, low or high pH, poor nutrient uptake), 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 BASF Corporation (BASF). All such risks shall be assumed by the user.

BASF 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.

BASF 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. **BASF 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 BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF BACKDRAFT™ SL herbicide.** In no case shall BASF 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 BASF, then BASF 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 BASF the liability of BASF shall in no manner extend to any damage, loss or injury not directly caused by the inclusion of the BASF product in such combination use, and in any event shall be limited to return of the amount of the purchase price of the BASF product.

## GENERAL INFORMATION

BACKDRAFT SL is a flexible broad-spectrum herbicide which may be applied as a burn-down herbicide in no-till soybeans, to stale seedbeds, or postemergence in soybeans. Apply postemergence only to ROUNDUP READY soybeans. BACKDRAFT SL can also be applied (in Use Regions 2 and 3 as defined in the USE AREA section of this label) in the late fall for control of weeds in conventional, minimum, or no-till soybeans. Fall treated areas must be planted to ROUNDUP READY soybeans in the following spring, and, if required, ROUNDUP ULTRA applied in season in a planned sequential program.

When BACKDRAFT SL is applied preplant, it will burn down existing vegetation. New susceptible weeds emerge, growth stops, and then the weeds either die or are not competitive with the crop.

When BACKDRAFT SL is applied postemergence, absorption occurs through both the foliage and roots. Susceptible weeds stop growing, die and are not competitive with the crop.

The mode of weed killing activity involves uptake of BACKDRAFT SL by weed roots and/or foliage and rapid translocation to growing points. Adequate soil moisture is important for extended residual BACKDRAFT SL 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 for soil activation. When adequate moisture is received after dry conditions, BACKDRAFT SL will provide residual control of susceptible germinating weeds. The dual activity of BACKDRAFT SL on established weeds will provide control of a broad spectrum of broadleaf and grasses.

### **FALL APPLICATIONS (Use Regions 2 and 3)**

Apply BACKDRAFT SL after Fall Harvest and prior to ground freeze-up in the winter. Fall applications of BACKDRAFT SL will control existing weeds and provide residual control of winter annual weeds and early spring germinating weeds in soybeans.

ROUNDUP READY soybeans must be planted in the spring following the fall application of BACKDRAFT SL. If heavy grass or waterhemp pressure is expected, add PROWL 3.3 EC herbicide to the spray mixture. See the PROWL 3.3 EC label for appropriate rates and timings. If weeds emerge in season, ROUNDUP ULTRA may be applied postemergence for weed control.

### **BURNDOWN WEED CONTROL (No-till soybeans and stale seedbed)**

Apply BACKDRAFT SL herbicide for burndown of weeds in no-till soybeans. It may be applied prior to planting, or preemergence of any soybean variety (including ROUNDUP READY soybeans). Add 2,4-D to the spray tank for enhanced control of weeds such as marehail and hemp dogbane. PROWL 3.3 EC® herbicide may be added for enhanced control of grasses and small seeded broadleaves. When mixing BACKDRAFT SL with 2,4-D or PROWL 3.3 EC, always use in accordance with the more restrictive label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

### **ROUNDUP READY SOYBEANS (glyphosate resistant)**

BACKDRAFT SL may also be applied for postemergence weed control in ROUNDUP READY soybeans. Apply BACKDRAFT SL for general weed burndown and residual control of broadleaf and grassy weeds.

For season-long control of grasses, apply PROWL 3.3 EC herbicide prior to planting soybeans. PROWL 3.3 EC will also enhance control of waterhemp. A postemergence application of BACKDRAFT SL will control any escape weeds and provide season-long control of most broadleaf and grass weeds.

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**NOTE: DO NOT apply BACKDRAFT SL postemergence to non-glyphosate-resistant soybeans.**

Some broadleaf weeds such as giant ragweed germinating deep in the soil or with subsequent flushes may require a cultivation or a follow-up postemergence herbicide application for season long control.

Apply when weeds are actively growing. DO NOT apply BACKDRAFT SL postemergence when soybeans and weeds have been subjected to stress conditions such as temperature and moisture extremes.

Occasionally, internode shortening of soybean plants may be observed with BACKDRAFT SL applications. These effects occur infrequently and are usually temporary.

**ATTENTION**

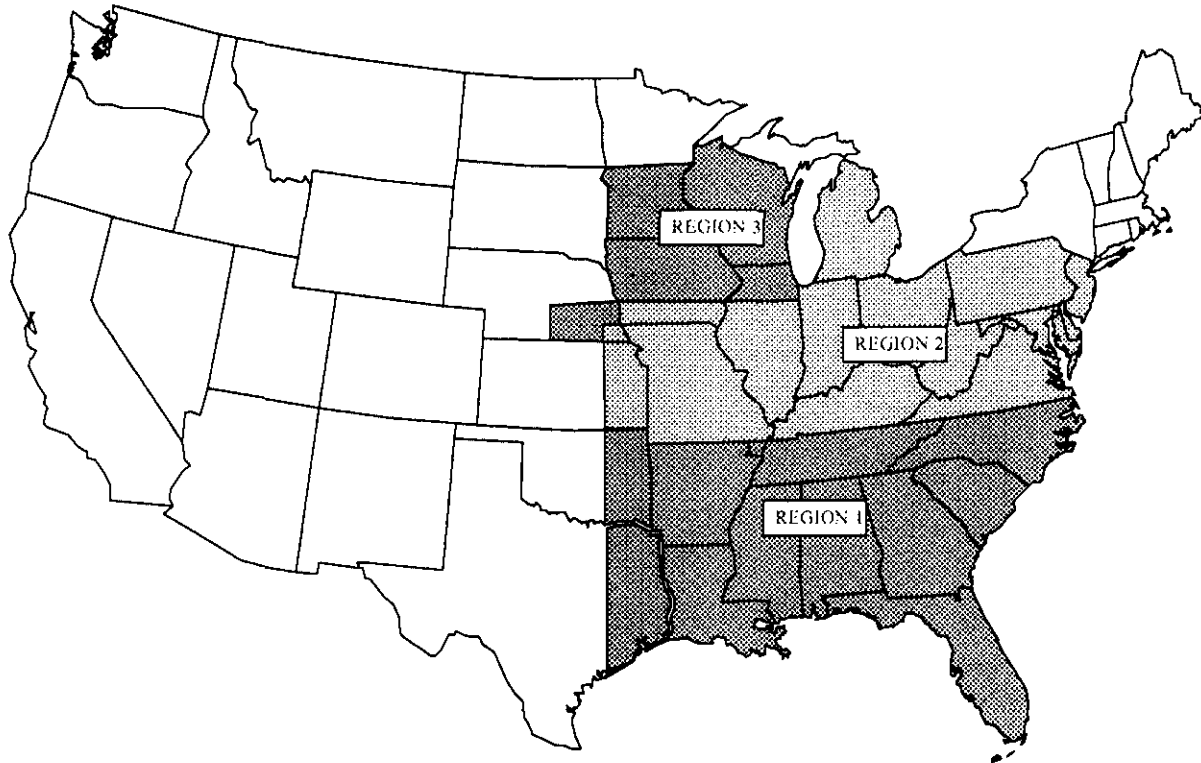
**AVOID CONTACT OF BACKDRAFT SL WITH FOLIAGE OF DESIRABLE PLANTS, BECAUSE SEVERE INJURY OR PLANT DEATH MAY RESULT.**

**AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS.**

Do not allow the herbicide solution to drift onto desirable vegetation. Very small amounts of drift may cause injury or death to desirable crops or plants. The likelihood of injury occurring from the use of this product increases when winds are gusty, during inversion conditions or other weather conditions that favor drift. Avoid applications using high spray pressure and high speed. These contribute to conditions that favor small spray droplets and drift.

## USE AREA

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



**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 pertaining to each Use Region.



## DIRECTIONS FOR CONVENTIONAL, MINIMUM, AND NO-TILL APPLICATIONS

### APPLICATION RATE

Apply BACKDRAFT SL at a broadcast rate of 2.5 quarts per acre for either a fall application, spring preplant burndown or postemergence application. At this broadcast rate, one gallon of BACKDRAFT SL will treat 1.6 acres of soybeans.

**NOTE:** In Use Region 3 as defined by the Use Area section of this label, apply BACKDRAFT SL prior to July 1.

### APPLICATION INSTRUCTIONS

**All applications of BACKDRAFT SL require the addition of a surfactant and ammonium sulfate.** Use a nonionic or organo-silicone surfactant. The nonionic surfactant should contain at least 80% active ingredient and be applied at a rate of 1 quart per 100 gallons of spray solution. The organo-silicone surfactant should be applied at a rate of at least 1 quart per 100 gallons of spray solution. Refer to the specific surfactant label for more specific use instructions.

### FALL APPLICATIONS

BACKDRAFT SL may be applied in conventional, minimum, or no-till soybeans as a fall application in Use Regions 2 and 3. Apply BACKDRAFT SL after Fall Harvest, and prior to ground freeze-up in the winter.

### PREPLANT/PREEMERGENCE APPLICATIONS

BACKDRAFT SL may be applied in conventional, minimum, or no-till as a preplant burndown 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.

Adequate moisture is required for residual control from BACKDRAFT SL.

### POSTEMERGENCE APPLICATIONS

Apply BACKDRAFT SL postemergence only to ROUNDUP READY soybeans. BACKDRAFT SL applied postemergence not only controls the emerged weed species listed previously, but can also provide residual control of susceptible weeds that may emerge after application. The optimum timing of application is before most weeds exceed 6-8 inches in growth. Larger weeds become more difficult to control. Controlling weeds before they exceed 8 inches in size reduces the potential for reduced crop growth due to weed competition.

### HERBICIDE COMBINATIONS

A preplant or preemergence burndown treatment of BACKDRAFT SL is active against most grass species. For residual grass control BACKDRAFT SL should be tank mixed with PROWL 3.3 EC herbicide, FRONTIER herbicide, or other labeled grass herbicides. BACKDRAFT SL may also be applied as a sequential postemergence treatment following application of a grass herbicide. PROWL 3.3 EC will also provide residual control of waterhemp species.

For no-till uses, BACKDRAFT SL may be tank mixed with 2,4-D to kill existing vegetation. The addition of 2,4-D will assist in the control of perennial weeds and other difficult weeds including horseweed (marestail) and hemp dogbane. Use a minimum of 10 gallons of water per acre. Use higher gallonge for

fields with dense vegetation or heavy crop residues. Use ground equipment only. Plant soybeans at least one inch deep and adjust planters to ensure adequate seed coverage.

When used in combination with another herbicide, BACKDRAFT SL should be used only in accordance with recommendations on this label. Always follow the more restrictive label limitations and precautions. BACKDRAFT SL cannot be mixed with any product containing a label prohibition against such mixing.

**BACKDRAFT SL Plus PROWL 3.3 EC Tank Mixture**

If a heavy infestation of waterhemp species or grasses are anticipated a tank mix of BACKDRAFT SL plus PROWL 3.3 EC is recommended for residual control. Refer to the PROWL 3.3EC label for specific use rates, application methods and application timings based on soil texture and soil organic matter content. Alternatively, PROWL 3.3 EC may be applied preplant and BACKDRAFT SL applied postemergence for season-long control of waterhemp and other weed species. Other registered grass herbicides may be used in place of PROWL 3.3 EC.

For preplant applications plant soybeans within 45 days after application (30 days in Use Region 1). For preemergence applications, apply up to a maximum of 2 days after planting). DO NOT apply PROWL 3.3 EC if soybeans have emerged.

**Tank Mixtures with 2,4-D**

2,4-D may be used with BACKDRAFT SL prior to planting for control of some annual and perennial broadleaf weeds. Use the following rates of 2,4-D in tank mixtures with BACKDRAFT SL:

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

**MIXING INSTRUCTIONS**

APPLICATIONS OF BACKDRAFT SL REQUIRE THE ADDITION OF A SURFACTANT AND FERTILIZER.

**I. SURFACTANTS:** Use only non-ionic surfactants approved for application to growing crops that contain at least 80% active ingredient. Apply the surfactant at the rate of 1 quart per 100 gallons of spray mixture (0.25% v/v of the spray mixture).

**AND**

**II. FERTILIZER:** Include a fertilizer in the spray solution. Add spray grade ammonium sulfate at the rate of 8.5-17 lbs. per 100 gallons of spray solution. Use the higher rate when weeds are under moisture or temperature stress.

When mixing BACKDRAFT SL, while agitating, add components in the following order:

- 1) Fill spray tank 1/2 full with clean water.
- 2) Add fertilizer

- 3) Add BACKDRAFT SL and thoroughly mix.
- 4) Add surfactant to the spray tank.
- 5) While agitating, fill the remainder of the tank with water. An antifoaming agent may be added to the tank if needed. Maintain agitation while spraying to ensure a uniform spray mixture.

When tank mixing BACKDRAFT SL with 2,4-D, and/or PROWL 3.3 EC, add products to the tank in the following order: 1) Fertilizer 2) BACKDRAFT SL. 3) PROWL 3.3 EC, 4) 2,4-D, and 5) surfactant.

**DRIFT CONTROL ADDITIVES:**

Drift control additives may be included to either ground or aerial applications. When a drift control agent is used, read and carefully observe the precautionary statements and all other information appearing on the additive label.

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

**SPRAYING INSTRUCTIONS**

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

**GROUND APPLICATIONS:**

Uniformly apply with properly calibrated ground equipment in 10 or more gallons of water per acre. Use sprayers equipped with nozzles that provide accurate and uniform application. To minimize drift, use a maximum spray pressure of 40 psi.

To ensure thorough coverage, use a minimum of 20 gallons of water per acre when applying BACKDRAFT SL as a postemergence treatment. Use higher gallonage for fields with dense vegetation or heavy crop residues.

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

**AERIAL APPLICATIONS:**

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. When applied POSTEMERGENCE, the addition of a non-ionic surfactant AND fertilizer solution are required for optimum weed control. Apply a non-ionic surfactant at the rate of 0.25% v/v of spray solution AND ammonium sulfate at the rate of 2.5 lb/acre. (See 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 toward the rear of the aircraft. The downward angle of the nozzle should not be greater than 20 degrees.
- To minimize wing-tip vortex roll, nozzles or spray boom just 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.

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- DO NOT spray when wind velocity is greater than 5 mph.

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

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**WEEDS CONTROLLED**

When applied as directed, BACKDRAFT SL will control the following weeds at the application rates indicated below:

**BROADLEAF WEEDS**

WEEDS CONTROLLED	Maximum Weed Size (inches)
	<u>2.5 qt./A</u>
Anoda, spurred	2
Burcucumber	6
Chickweed	12
Cocklebur, Common	18
Copperleaf, Hophornbeam	2
Copperleaf, Virginia	2
Eclipta	6
Fleabane,	
annual	16
hairy	12
rough	4
Grousel, common	8
Henbit	4
Horseweed/marestail	10
Jimsonweed	3
Lambsquarters, Common	8
Morningglory	
Entireleaf	6
Ivyleaf	6
Palmleaf	6
Pitted	6
Smallflower	6
Tall	6
Mustard species	16
Nightshade, Eastern Black	10
Nightshade, hairy	10
Pigweed	
Palmer	6
Redroot	6
Smooth	6
Spiny	6
waterhemp, sp.	6
Puncturevine	5
Purple, deadnettle	6
Pusley, Florida	6
Ragweed,	
Common	6
Giant	4
Sesbania, Hemp	2
Sicklepod	2

**BROADLEAF WEEDS (cont.)**

	<u>Maximum Weed Size (inches)</u>
<b>WEEDS CONTROLLED</b>	<u>2.5 qt./A</u>
Sida, Prickly (teaweed)	2
Smartweed, ladysthumb	6
Pennsylvania	6
Spurge, spotted	10
Prostrate	10
Sunflower, Common	18
Velvetleaf	5

**GRASSES**

	<u>Maximum Weed Size (inches)</u>
<b>WEEDS CONTROLLED</b>	<u>2.5 qt./A</u>
Barley, volunteer	18
Barnyardgrass	5
Bluegrass, annual	14
Corn, Volunteer	20
Crabgrass	18
Foxtail Giant	12
Green	12
Yellow	12
Goosegrass	5
Grain sorghum	12
Johnsongrass, seedling	18
Junglerice	5
Itchgrass	12
Oats, volunteer	6
Panicum, browntop	8
fall	6
Texas	8
Red rice	4
Rye	16
Shattercane	18
Signalgrass, Broadleaf	5
Sprangletop	12
Stinkgrass	16
Wheat, volunteer	12
Wild oats	16
Witchgrass	16
Wooly cupgrass	12

### ROTATIONAL CROP RESTRICTIONS

The following rotational crops may be planted after applying BACKDRAFT SL at recommended rates in soybeans:

CROP	USE REGION 1	USE REGION 2 (except Michigan <sup>3</sup> )	USE REGION 3
Soybeans	No restrictions	No restrictions	No restrictions
Wheat	4 months	4 months	18 months <sup>5</sup>
Rice	Spring following BACKDRAFT SL application	Spring following BACKDRAFT SL application	---
Barley	11 months	11 months	18 months
Field Corn	9.5 months <sup>1</sup>	9.5 months <sup>2</sup>	18 months <sup>4,5</sup>
Edible Beans	11 months	11 months	11 months
Grain Sorghum	11 months	11 months	11 months
Oats	11 months	11 months	18 months
Peanuts	11 months	11 months	11 months
Tobacco	11 months <sup>6</sup>	11 months <sup>6</sup>	11 months
Sugar Beets & Red Table Beets	40 months	40 months	40 months
Other Crops	18 months	18 months	See FOOTNOTE 7

- 1 For USE REGION 1 as defined in the USE AREA section of this label, field corn may be planted in the spring of the year following BACKDRAFT SL application unless extreme drought conditions develop (less than 15 inches of rainfall or irrigation is received within 6 months following the date of last application). A minimum of 10 inches of rainfall is needed for a postemergence application of BACKDRAFT SL only if the total amount of BACKDRAFT SL.
- 2 For USE REGION 2 (except Michigan<sup>3</sup>) as defined in the USE AREA section of this label, field corn may be planted in the spring of the year following BACKDRAFT SL application unless extreme drought conditions develop (less than 15 inches of rainfall or irrigation is received from two weeks prior to the date of last application through November 15 of the same year). A minimum of 10 inches of rainfall is needed for a postemergence application of BACKDRAFT SL.

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

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

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

- 4 For USE REGION 3 as defined in the USE AREA section of this label, field corn, wheat, barley, or oats may be planted as a rotational crop in the fall or in the spring of the year following BACKDRAFT SL application ONLY if at least 10 inches of rainfall or irrigation has been received from the date of application through October of the same year.

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

- 5 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 BACKDRAFT SL application. In this geography, only field corn hybrids which possess tolerance or resistance to BACKDRAFT SL and other imidazolinone herbicides may be planted the spring of the year following an application including BACKDRAFT SL (SEE NOTE).
- 6 In Use Regions 1 & 2 tobacco may be planted 9 1/2 months following application of BACKDRAFT SL herbicide only if BACKDRAFT SL herbicide was applied at labeled rates.
- 7 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 BACKDRAFT SL application. Other crops may be planted 18 months after BACKDRAFT SL application.

NOTE: Contact your chemical dealer, seed supplier, or BASF to obtain information regarding the availability of imidazolinone tolerant field corn hybrids which are adapted to your area.



**FOR FALL APPLICATIONS** of BACKDRAFT SL (Use Regions 2 and 3), adjust the rotational crop intervals by basing the interval on the date of soybean planting rather than the date of herbicide application.

Use of BACKDRAFT SL 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, crop injury, is always possible.

Except where otherwise stated on a Supplemental Label or in this label, DO NOT apply products containing chlorimuron ethyl (e.g. Classic<sup>2</sup>, Canopy<sup>2</sup>, etc.), imazaquin (e.g. BACKDRAFT SL, SCEPTER® 70 DG, SQUADRON®), imazethapyr (e.g., PURSUIT®, PURSUIT® DG, PURSUIT® PLUS EC), flumetsulam, (e.g. Broadstrike<sup>3</sup>), or cloransulam (e.g. Firstrate<sup>3</sup>) the same year as BACKDRAFT SL because injury to follow crops may occur.

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

### PRECAUTIONS

DO NOT use on crops other than soybeans. Apply preplant or preemergence to any soybeans. Apply only postemergence to ROUNDUP READY soybeans. Crops other than ROUNDUP READY soybeans, such as conventional soybeans, cotton, corn and vegetables, may be injured by spray drift or other indirect contact with BACKDRAFT SL.

To avoid injury to sensitive crops from spray drift, follow all use directions and precautions in the SPRAYING INSTRUCTIONS section.

Do not use BACKDRAFT SL other than in accordance with the instructions set forth on this label.

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

There must be an interval of at least 90 days between the last BACKDRAFT SL application and soybean harvest.

DO NOT apply to soybeans once flowering has initiated.

Make only one application of BACKDRAFT SL per soybean growing season.

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

Use of BACKDRAFT SL 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, crop injury, is always possible. See ROTATIONAL CROP RESTRICTIONS section.

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

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