241-379 1-29-2003 1/142

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

JAN 29 2003

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Mr. Joseph O'Grodnick
BASF Corporation
26 Davis Drive
P.O. Box 13528
Research Triangle Park, NC 27709-3528

Subject: Raptor/Beyond Herbicide
EPA Registration No. 241-379
Revised labeling (Raptor Master label, Raptor Subset Label, Beyond Subset Label, Raptor supplemental label, and Beyond supplemental label) submitted November 11 and December 13, 2002

Dear Mr. O'Grodnick:

The amended labeling referred to above is acceptable provided that you make the changes specified below:

All labels (stated page numbers and review based on the master label)

There are several inconsistencies between the master label and the subset labels. Several of the items below pertain to standardizing these inconsistencies.

1. All maximum use rates must be stated in terms of lbs a.e. imazamox/A (with oz of product in parentheses). (Pgs. 12, 16, 19, 26, 30)

2. In the gloves statements at the top of pages 3 and 4, change "miles" to "mils" in "≥14 miles" on applicable labels.

3. On page 5, move the "In Case of Emergency" and the following related text to immediately following the First Aid section.

4. On page 7, delete "~~broadstrike~~". Add the paragraph from the Beyond subset label that begins "Beyond is very active against..."

5. In the "Aerial Application" section (p. 10) add spray drift advisory information (text is available in most recent REDs).

6. In the "Crop-Specific Restrictions and Limitations"(p. 12, 19, 26, 30), change "There should" to "There must" in the first two sentences (one sentence for beans and soybeans, p. 26 and 30). For alfalfa, change "Limitation" to "Limitations" in the heading. For soybeans, add the following limitation: "Do not apply more than 0.078 lb a.e. imazamox (5 oz product) per acre during the use season.

7. In the last sentence of "Tank Mix Combinations With Other Herbicides" for alfalfa, change "should be exceeded" to "may be exceeded".

8. In the directions for use on clearfield wheat, in the 4th paragraph (p. 18), specify the temperatures that are considered to the "extreme cold temperatures".

9. In the tank mix combinations for wheat (p. 23) put the tank mix herbicides in alphabetical order, and place "bronate" immediately prior to "(bromoxynil + MCPA).

10. On page 27, change "control" to "controls" in the endnote.

11. On page 28, in the Grass Weeds Suppressed table, add "3"s to the first column in the master label to be consistent with the subset label.

12. In the table at the top of page 32, in the second sentence of the third end note, change "and ALS" to "of ALS".

13. In the Rotational Crop section (p. 36), change the word "Guidelines" to "Restrictions" in the heading. "Delete the sentence that begins "Planting earlier than the recommended interval..." since this implies that it is permisible to plant earlier than the required rotational crop intervals. Add the missing parenthesis at the end of the "Region 2" statement.

14. In the rotational crop table (p. 37), replace "guidelnes" with "restrictions in the 18 month row (2 places). Add a second asterisk (*) after sugarbeet in the 26 month row and Region 1 column. In the first end note, replace "guideline" with "rotational intervals".

Raptor Subset and Supplemental Labels

1. The Raptor supplemental label expires 365 days after the date on this letter.

2. In the box following the "keep out of reach of children" statement, change "the label" to "this label".

3. In the "IF IN EYES" statement, in the second sentence, change "after first 5 minutes" to "after the first 5 minutes".

4. In the "Broadleaf Weeds Controlled..." table (p. 20), in the nightshade rows and Prowl column, fill in the missing numbers to be consistent with the master label.

5. In the "Grass Weeds Controlled..." table (p. 22), in the Millet row, change "prose" to "proso". In the first end note, change "Raptor herbicide rate" to "Raptor herbicide at a broadcast rate of" to be consistent with the master label.

6. On page 23, in the heading, change "Broadleaf" to "Grass". In the "Cupgrass" row, change "Cupgrass" to "Cupgrass, woolly" to be consistent with the master label, or change the master label so that both labels are consistent.

7. On page 26 in the rotational interval table, in the "Eight and one-half months row", change "CLEARFIELD" to "CLEARFIELD AND non-CLEARFIELD" to be consistent with the master label in both the region 1 and region 2 columns. In the "eighteen months" row, change "guideline" to "restrictions" in both the region 1 and region 2 columns. In the "twenty-six months" column, add two asterisks (*) after sugarbeet in the region 1 column. In the second endnote, change "sugarbeetand" to "sugarbeet and", change "sugarbeetyields" to "sugarbeet yields", and change "sugarbeetor" to "sugarbeet or".

8. On page 27 in the General Precautions section, delete "CLEARFIELD canola, CLEARFIELD, wheat" since these crops are not on the Raptor subset label.

Beyond Subset and Supplemental Labels

1. The Beyond supplemental label expires 365 days after the date on this letter.

2. On page 8, move the "CROP OIL CONCENTRATE OR METHYLATED SEED OIL" paragraph to immediately following the "SURFACTANTS" paragraph in the "ADJUVENTS" section.

Submit one copy of the final printed labeling for each label before you release the product for shipment In addition, please submit electronic copies (pdf text format) of the revised labels within one month of receipt of this letter. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

This labeling supercedes all previously accepted labeling for this product (except supplemental labeling). Stamped copies of the labels are enclosed for your records.

If you have any questions about this letter, you may call Tobi Colvin-Snyder at 703-305-7801.

Sincerely,

Jim Tompkins
Product Manager (25)
Herbicide Branch
Registration Division (7505C)

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RAPTOR® herbicide

FOR USE ON ALFALFA, CLEARFIELD* CANOLA, CLEARFIELD WHEAT, EDIBLE LEGUMES AND SOYBEANS

Apply Only on Imidazolinone Tolerant Canola and Wheat Varieties

ACTIVE INGREDIENT:

Ammonium salt of imazamox 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid*	12.1%
INERT INGREDIENTS	87.9%
TOTAL	100.0%

*Equivalent to 11.4% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid

(1 gallon contains 1.0 pound of active ingredient as the free acid)

U.S. Patent No. 5,334,576
EPA Reg. No. 241-379 EPA Est. No. 241-PR-002

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).

FIRST AID

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.

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

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

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

See Next Page for Additional Precautionary Statements

ACCEPTED with COMMENTS In EPA Letter Dated

JAN 29 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 241-379

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

Net Contents: 1 Gallon (3.785 liters)

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TABLE OF CONTENTS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION!

Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes 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 ≥14 miles, or natural rubber ≥14 mils, or neoprene rubber ≥14 mils, or nitrile rubber ≥14 mils.
- shoes 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 pesticide may be hazardous to plants outside the treated area. DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Offsite movement from spray drift, volatilization, and runoff may be hazardous to neighboring crops and vegetative habitat utilized for food and cover by wildlife and aquatic organisms. DO NOT contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of pesticide application.

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.

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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 4 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 butyl rubber ≥14 miles, or natural rubber ≥14 mils, or neoprene rubber ≥14 mils, or nitrile rubber ≥14 mils.
- shoes plus socks

Ensure spray drift to non-target species does not occur.

DO NOT apply RAPTOR in any manner not specifically described in this label.

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

When applied by either ground or air, RAPTOR spray drift or other indirect contact may injure sensitive crops, including non-imidazolinone tolerant wheat or canola, sugarbeets, and leafy vegetables.

Spray equipment used for RAPTOR application must be drained and thoroughly cleaned with water before being used to apply other products.

Observe all cautions and limitations on this label and on the labels of products used in combination with RAPTOR herbicide. Do not use RAPTOR other than in accordance with the instructions set forth on this label. The use of RAPTOR not consistent with this label may result in injury to crops. Keep containers closed to avoid spills and contamination.

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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.

In Case of Emergency:

In case of large-scale spillage regarding this product call:

CHEMTREC	800-424-9300
BASF Corporation	800-832-HELP

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- BASF Corporation (800-832-HELP)

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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 BASF Corporation. All such risks shall be assumed by the user.

THIS PRODUCT WHEN USED ON EDIBLE LEGUMES MAY LEAD TO CROP INJURY, LOSS, OR DAMAGE. BASF RECOMMENDS THAT THE USER AND/OR GROWER TEST THIS PRODUCT IN ORDER TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE. BASF MAKES THIS PRODUCT AVAILABLE TO THE USER AND/OR GROWER SOLELY TO THE EXTENT THAT THE BENEFIT AND UTILITY, IN THE SOLE OPINION OF THE USER AND/OR GROWER, OUTWEIGH THE EXTENT OF POTENTIAL INJURY ASSOCIATED WITH THE USE OF THIS PRODUCT. THE DECISION TO USE OR NOT TO USE THIS HERBICIDE MUST BE MADE BY EACH INDIVIDUAL RAPTOR USER AND/OR GROWER ON THE BASIS OF POSSIBLE CROP INJURY FROM RAPTOR, THE SEVERITY OF WEED INFESTATION, THE COST OF ALTERNATIVE WEED CONTROLS, AND OTHER FACTORS. BASF INTENDS THAT BECAUSE OF THE RISK OF FAILURE TO PERFORM OR CROP DAMAGE THAT ALL SUCH USE IS AT THE USER'S AND/OR GROWER'S RISK. BASF DISCLAIMS ANY LIABILITY FOR CLAIMS, CAUSES OF ACTION, FINES, PENALTIES, DAMAGES, INCLUDING CONSEQUENTIAL INCIDENTS AND DAMAGES, LOSSES, LIABILITIES, JUDGEMENTS, AND EXPENSES ARISING OUT OF OR RELATING TO INJURY TO PERSONS, CROPS, OR PROPERTY RESULTING FROM THE USE OF RAPTOR HERBICIDE ON EDIBLE LEGUMES CONTRARY TO THE LABEL INSTRUCTIONS.

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 RAPTOR 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.

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GENERAL INFORMATION

The mode of weed killing activity involves uptake of RAPTOR herbicide by foliage and/or weed roots and rapid translocation to the growing points. After RAPTOR application, susceptible weeds may show yellowing and weed growth will stop. Susceptible weeds stop growing and either die or are not competitive with the crop. Adequate soil moisture is important for optimum RAPTOR activity. When adequate soil moisture is present, RAPTOR will provide residual activity of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil. A timely cultivation after a RAPTOR application may improve general weed control.

When organophosphate (such as Lorsban™) or carbamate insecticides are tank-mixed with RAPTOR herbicide, temporary injury may result to the treated crop.

Use of RAPTOR herbicide 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.

Occasionally, internode shortening and/or temporary yellowing of crop plants may occur following RAPTOR applications. These effects can be more pronounced if crops are growing under stressful environmental or hot and humid conditions. These effects occur infrequently and are temporary. Normal growth and appearance should resume within 1-2 weeks.

Replanting: If replanting is necessary in a field previously treated with RAPTOR, the field may be replanted to CLEARFIELD™ Canola, CLEARFIELD Wheat, edible legumes, or soybeans. Rework the soil no deeper than 2 inches. DO NOT apply a second treatment of RAPTOR.

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. Other herbicides with the ALS/AHAS enzyme inhibiting mode of action include the sulfonylureas (e.g., Amber®, Express®, Everest™, Finnesse®, Glean®, Peak®, Rave®, Accent®, Ally®, Basis®, Classic®, Exceed®, Harmony® Extra, Maverick™, Permit®, Pinnacle®, etc.), imidazolinones (e.g., Pursuit®, Scepter®, Cadre® and Lightning®), the sulfonamides (e.g., ~~Broadstrike~~ Hornet®, etc.) and the pyrimidyl benzoates (e.g., Staple®, etc.). If naturally occurring ALS/AHAS resistant biotypes are present in a field, RAPTOR and/or any other ALS/AHAS enzyme inhibiting mode of action herbicide should be tank-mixed or applied sequentially with an appropriate registered herbicide having a different mode of action to ensure control.

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

MIXING INSTRUCTIONS

POSTEMERGENCE APPLICATIONS OF RAPTOR REQUIRE THE ADDITION OF AN ADJUVANT **AND** A NITROGEN FERTILIZER SOLUTION.

I. ADJUVANTS

CROP OIL CONCENTRATE: A petroleum or vegetable seed based crop oil concentrate may be used. A methylated seed oil is recommended when weeds are under moisture or temperature stress. Use methylated seed oils, or crop oil concentrate at a rate of 1-2 gallons per 100 gallons of spray solution.

OR

SURFACTANTS: Use a nonionic surfactant containing at least 80% active ingredient. Apply the surfactant at the rate of 1-2 quarts per 100 gallons of spray solution. An organo-silicone surfactant may be used in place of a non-ionic surfactant.

AND

II. NITROGEN FERTILIZER

Recommended nitrogen based fertilizers include liquid fertilizers (such as 28%N, 32%N or 10-34-0) at the rate of 2.5 gallons per 100 gallons of spray solution. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 12-15 pounds per 100 gallons of spray solution.

DO NOT USE CROP OIL CONCENTRATE OR METHYLATED SEED OIL WITH BEYOND IN CLEARFIELD WHEAT

Fill the spray tank one-half to three-quarters full with clean water. Use a calibrated measuring device to measure the required amount of RAPTOR herbicide. Add RAPTOR to the spray tank while agitating. Add adjuvants and fill the remainder of the tank with water.

NOTE: Nitrogen fertilizer is not required when applied in use areas south of Interstate Highway 40, except in the states of Texas, New Mexico, Oklahoma, Arizona, and California.

NOTE: Do not apply RAPTOR in liquid fertilizer as the carrier (except to Clearfield winter wheat).

LIQUID FERTILIZER AS A CARRIER (Clearfield winter wheat only)

DO NOT apply RAPTOR in liquid fertilizer concentrate except RAPTOR may be applied to CLEARFIELD winter wheat in a water/liquid fertilizer solution with at least 50% water. Add a non-ionic surfactant at the rate of 1 quart per 100 gallons of spray solution(0.25%). Some crop leaf burn from the fertilizer in the solution may occur from the fertilizer application.

NOTE: Additional MIXING INSTRUCTIONS for EDIBLE LEGUMES.

RAPTOR applications may be made to dry edible legumes either with, or without the addition of a fertilizer. The addition of nitrogen-based fertilizer such as ammonium sulfate or liquid fertilizers (such as 28-0-0) may improve weed control, but also increases the likelihood of dry bean response. When nitrogen is added to the mixture, add Basagran® as a tank mixture partner at a rate of 6 to 16 oz./A to minimize crop response. For applications to dry peas, always add Basagran to the spray mixture. For enhanced grass activity, add a crop oil instead of surfactant.

Always add Basagran at the rates indicated above when crop oils and/or fertilizer are used in the spray mixture. Basagran applications at rates higher than 16 oz./A may reduce grass control.

TANK MIX COMBINATIONS WITH OTHER HERBICIDES

If other herbicides or other spray tank components are tank-mixed with RAPTOR, while agitating, add components in the following order and thoroughly mix after adding each component:

1) Fill spray tank 1/2 to 3/4 full with clean water.
2) Add soluble packet products and thoroughly mix.
3) Add WP (wettable powder), DG (dispersible granule), DF (dry flowable) or liquid flowable formulations not in soluble packets.
4) Add RAPTOR and thoroughly mix.
5) Add other aqueous solution products.
6) Add EC (emulsifiable concentrate) products.
7) Add surfactant or crop oil to the spray tank.
8) Add nitrogen fertilizer solution.
9) While agitating, fill the remainder of the tank with water.

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

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

SPRAYING INSTRUCTIONS

DO NOT apply when wind conditions may result in drift, when temperature inversion conditions exist, or when spray may be carried to sensitive crops. Sensitive crops include but are not limited to leafy vegetables and sugarbeet.

GROUND APPLICATION

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 RAPTOR herbicide to minimum or no-till crops. 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 flat-fan nozzle tips or similar appropriate nozzle tips to ensure adequate coverage.

Avoid overlaps when spraying.

GROUND APPLICATION WITH A LOW VOLUME SPRAYER

RAPTOR may be applied with a low volume (Spra-Coupe™-type) sprayer. When applying RAPTOR with a low volume sprayer, spray the weeds before they reach the maximum size listed in this label. Adequate control of weeds is dependent upon good spray coverage of the weeds. The sprayer must be calibrated to deliver the recommended spray volume and pressure to ensure adequate spray coverage of the weeds.

When applying RAPTOR with a low volume sprayer, apply a minimum of 10 gallons per acre of spray solution with a nozzle pressure between 40-60 psi for optimum coverage.

AERIAL APPLICATION

RAPTOR herbicide may be applied by air to all crops listed on this label.

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. The addition of an adjuvant AND fertilizer solution are required for optimum weed control.
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 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 10 mph (greater than 5 mph in California).
- Coarse sprays (larger droplets) are less likely to drift.

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

APPLICATION INFORMATION

Apply RAPTOR herbicide as a postemergence treatment when weeds are actively growing and before they exceed the maximum recommended size (see weed control tables following each crop). Delay application until the majority of the weeds are at the recommended growth stage. Application timing should be based on weed size and not crop growth stage. In general, RAPTOR should be applied when weeds are small and actively growing, however, delay application in seedling alfalfa and dry beans until minimum growth stages have occurred (refer to seedling alfalfa and dry bean sections).

An adjuvant (either a surfactant or a crop oil concentrate) and a nitrogen fertilizer must be added to the spray solution for optimum weed control activity. See the ADJUVANT section under MIXING INSTRUCTIONS for specific instructions.

When RAPTOR is applied postemergence, absorption will occur through both the roots and foliage. Susceptible weeds stop growing and either die or are not competitive with the crop. RAPTOR not only controls many existing broadleaf and grass weeds when applied postemergence, it also provides activity on susceptible weeds that may emerge shortly after application.

Weeds are most easily controlled when actively growing. Under conditions of cold temperatures (less than 40°F, maximum daytime temperatures), weed control may be less than optimal.

For maximum weed control, cultivate (where possible) 7 - 10 days following a postemergence RAPTOR application. This timely cultivation will enhance residual weed activity, especially under dry conditions.

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

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ALFALFA - DIRECTIONS FOR USE

Apply RAPTOR herbicide as an early postemergence treatment when weeds are actively growing and before they exceed a height of 3 inches, unless otherwise indicated. Delay application until the majority of the weeds are at the recommended growth stage. Apply RAPTOR to crop and weeds that are actively growing.

USE RATE

Apply RAPTOR postemergence only at a broadcast rate of 4 to 6 ounces per acre to seedling or established alfalfa grown for forage, hay or seed. At the recommended application rate, 1 gallon of RAPTOR will treat 21-32 acres.

SEEDLING ALFALFA

Apply RAPTOR when the seedling alfalfa is in the second (2nd) trifoliate stage or larger and when the majority of the weeds are 1-3 inches. When applied to alfalfa grown for seed, apply RAPTOR before bud formation. For prostrate growing weeds (such as mustards) apply RAPTOR before the rosette exceeds 3 inches. When RAPTOR is applied to seedling alfalfa, there may be a temporary reduction in growth. Alfalfa soon outgrows any effects of the herbicide.

ESTABLISHED ALFALFA

RAPTOR can be applied to established alfalfa in the fall, winter, or in the spring to dormant, or semi-dormant alfalfa, or between cuttings. Any application should be made before significant alfalfa growth or re-growth (3 inches) to allow RAPTOR to reach the target weeds.

Crop-Specific Restrictions and Limitation

There should be an interval of at least 20 days between application of RAPTOR and cutting or feeding of alfalfa forage or hay. There should be an interval of 70 days between an application of RAPTOR and harvest of alfalfa seed used for food or feed.

A maximum of 6 ounces of RAPTOR per season may be applied to alfalfa.

DO NOT make sequential applications of PURSUIT followed by RAPTOR (or RAPTOR followed by PURSUIT) within a 60 day timeframe due to increased potential alfalfa crop response.

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WEEDS CONTROLLED

RAPTOR will control or suppress the weeds listed below when applied postemergence at the recommended rates listed below.

BROADLEAF WEEDS CONTROLLED BY RAPTOR

	Application Rate		
	4 fluid oz./A	5 fluid oz./A	6 fluid oz./A
	Maximum Weed Size (inches)		
Bedstraw		3	3
Beet, wild	3	3	3
Buckwheat, wild		3	3
Buttercup		3	3
Canola, volunteer	3	3	3
Chickweed, common	3	3	3
Cocklebur, common	3	3	3
Flixweed	3	3	3
Filaree,			
Redstem			3
Whitestem			3
Henbit			2
Knotweed, postrate		3	3
Kochia*		3	3
Lambsquarters, common	3**	3	3
Lettuce, miners		3	3
Jimsonweed	3	3	3
Mallow,			
Common	3	3	3
Venice		1	1
Morningglory,			
Entireleaf		3	3
Ivyleaf		3	3
Smallflower		3	3
Tall		3	3
Mustard,			
tumble	3	3	3
wild	3	3	4
black	3	3	4
Nightshade,			
black	3	5	5
Eastern black	3	5	5
Hairy	3	4	5
Nettle, burning		2	2
Nettleleaf goosefoot	3	3	3
Pennycress, field	3	3	3

*RAPTOR controls non-ALS resistant kochia only.

**RAPTOR controls common lambsquarters at 4 oz./A East of the Rocky Mountains.

BROADLEAF WEEDS CONTROLLED BY RAPTOR (Continued)

	Application Rate		
	4 fluid oz./A	**5 fluid oz./A**	**6 fluid oz./A**
	Maximum Weed Size (inches)		
Pigweed,			
Redroot	3	4	5
Smooth	3	4	4
Spiny	3	3	3
Purslane, common			3
Radish, wild	3	3	3
Rocket, London		4	5
Rocket, yellow		4	4
Shepherdspurse	3	4	5
Smartweed,			
Ladysthumb	3	3	3
Pennsylvania	3	3	3
Swamp		3	3
Spurge, prostate		3	3
Sunflower, common		3	3
Swinecress		3	3
Tansymustard, green	3	3	4
Thistle, Russian		3	3
Velvetleaf	3	4	5
Willoweed panicle		3	3

BROADLEAF WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Dandelion			3
Dock, curly		3	3
Dodder*			3
Fiddleneck			3
Ragweed,			
Common		3	3
Giant		3	3
Thistle, Canada			3
Sowthistle		3	3

*For suppression of dodder, apply RAPTOR after the dodder has emerged until soon after dodder attaches to the alfalfa.

GRASS WEEDS CONTROLLED BY RAPTOR

	Application Rate		
	4 fluid oz./A	5 fluid oz./A	6 fluid oz./A
	Maximum Weed Size (inches)		
Barnyardgrass		3	3
Blackgrass	3	3	3
Brome,			
California	3	3	3
downy	3	3	3
cheat	3	3	3
Japanese	3	3	3
Canarygrass, littleseed	3	3	3
Cereals, volunteer			
Barley	3	3	3
Oat	3	3	3
Wheat (non-CLEARFIELD)	3	3	3
Corn, volunteer	4	5	8
Crabgrass, large		3	3
Darnel, Persian	3	3	3
Foxtail,			
Giant	3	4	5
Green	3	3	4
Yellow	3	3	4
Johnsongrass, seedling		3	3
Jointed goatgrass	3	3	3
Lovegrass	3	3	3
Millet, wild proso		3	3
Oats, wild	3	3	3
Ryegrass, Italian	3	3	3
Rye, feral or cereal		3	3
Shattercane	3	4	5

GRASS WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Bluegrass, annual	3
Johnsongrass, rhizome	3
Sedges	
Purple	3
Yellow	3
Quackgrass	3

TANK MIX COMBINATIONS WITH OTHER HERBICIDES

To control weeds not listed on the RAPTOR label, herbicides such as Buctril® (seedling alfalfa only), 2,4-DB, Poast® or Poast® Plus or Prism®/Select® may be tank mixed with RAPTOR. When RAPTOR 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.

CLEARFIELD CANOLA - DIRECTIONS FOR USE

RAPTOR herbicide is effective in controlling weeds in conservation tillage and conventional production systems. RAPTOR can be applied early postemergence in **CLEARFIELD CANOLA** but before the bloom stage. Refer to the specific treatment under the "SPRAYING INSTRUCTIONS" section of the label.

USE RATE

Apply RAPTOR postemergence only at a rate of 4 oz. per acre. At this rate one gallon of RAPTOR will treat 32 acres of CLEARFIELD Canola. It is recommended that a registered soil applied grass herbicide be used prior to use of RAPTOR.

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

Crop-Specific Restrictions and Limitations

DO NOT apply more than 4 ounces of RAPTOR during the growing season.

WEEDS CONTROLLED

BROADLEAF WEEDS CONTROLLED BY RAPTOR

	Maximum Weed Size (inches)
Beet, wild	3
Canola, volunteer (non-CLEARFIELD)	3
Chickweed, common	3
Cocklebur, common	3
Jimsonweed	3
Flixweed	3
Lambsquarters, common	3*
Mustard,	
tumble	3
wild	3
black	3
Nightshade,	
black	3
Eastern black	3
Hairy	3
Pennycress, field	3
Pigweed,	
Redroot	3
Smooth	3
Spiny	3
Radish, wild	3
Shepherdspurse	3
Smartweed,	
Ladysthumb	3
Pennsylvania	3
Tansymustard, green	3
Velvetleaf	3

*RAPTOR controls common lambsquarters at 4 oz./A East of the Rocky Mountains

BROADLEAF WEEDS SUPPRESSED BY RAPTOR

	Maximum Weed Size (inches)
Buckwheat, wild	3
Flax	2
Knotweed, prostrate	3
Lettuce, miners	3
Morningglory	
Entireleaf	3
Ivyleaf	3
Smallflower	3
Tall	3
Rocket, London	3
Rocket, Yellow	3
Spurge, prostrate	3
Thistle, Russian (non-ALS resistant)	3

GRASS WEEDS CONTROLLED BY RAPTOR

	Weed Size
	Number of Leaves (maximum tillers)
Blackgrass	1-4 (1)
Brome,	
downy	1-5 (2)
cheat	1-5 (2)
Japanese	1-5 (2)
Canarygrass, littleseed	1-5 (2)
Cereals, volunteer	
Barley	1-5 (1)
Oat	1-5 (1)
Wheat (non-CLEARFIELD)	1-4 (1)
Darnel, Persian	1-5 (2)
Foxtail,	
Giant	1-6 (2)
Green	1-4 (1)
Yellow	1-4 (1)
Jointed goatgrass	1-6 (2)
Oats, wild	1-5 (2)
Ryegrass, Italian	1-4 (1)
Rye, feral or cereal	1-4 (1)
Shattercane	1-6 (2)

GRASS WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Barnyardgrass	1-4 (1)
Corn, volunteer	1-4 (1)
Crabgrass, large	1-4 (1)

Specific Weed Problems
Canada Thistle: For enhanced activity of Canada thistle, add Stinger™ to the tank mixture. Apply to Canada thistle in the rosette stage.

CLEARFIELD WHEAT - DIRECTIONS FOR USE

RAPTOR can be applied postemergence on CLEARFIELD WHEAT (imidazolinone tolerant wheat) varieties. Apply only on selected winter wheat varieties labeled as "CLEARFIELD" and warranted by the seed supplier to possess tolerance to direct application of certain imidazolinone herbicides. DO NOT apply RAPTOR to wheat varieties which lack resistance/tolerance to imidazolinone herbicides. Contact your seed supplier, chemical dealer or BASF to obtain information regarding imidazolinone tolerant wheat varieties.

Apply RAPTOR herbicide as an early postemergence treatment when weeds are actively growing and before broadleaf weeds exceed a height of 3 inches and grasses exceed 4-5 leaves (unless otherwise indicated). Under conditions of cold temperatures (less than 40°F, maximum daytime temperatures), weed control may be less than optimal. A thin stand of wheat may result in unacceptable weed control. RAPTOR herbicide is effective in controlling weeds in conservation tillage and conventional tillage wheat production systems. RAPTOR can be applied in the fall/winter or spring for winter or spring annual weed control, respectively. Delay application until the majority of the weeds are at the recommended growth stage. When a mixture of grasses and broadleaf weeds are present, time the application to the grass weeds for optimum control.

When adequate soil moisture is present, RAPTOR will provide residual activity of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil.

Occasionally, reduction in plant height or temporary yellowing of crop plants may occur following RAPTOR applications. These effects can be more pronounced if crops are growing under stressful environmental conditions. These effects are temporary. Normal growth and appearance should resume within 1 to 2 weeks. To avoid possible crop injury, do not apply RAPTOR herbicide to CLEARFIELD wheat when extreme cold temperatures are expected within one week of application.

Weed control is optimized when RAPTOR is applied to actively growing wheat. Plant a locally adapted CLEARFIELD variety at the normal seeding rate for your geography. Apply to wheat after tiller intiation has begun and prior to the jointing stage of growth (and when the weeds are at the appropriate size – see WEEDS CONTROLLED tables).

RAPTOR Application Timing – Winter Wheat
Apply RAPTOR herbicide at the following crop and weed stages of growth:

CLEARFIELD Wheat	after tiller intiation and prior to joint
Broadleaf weeds	refer to weed control tables for specific weed sizes
Grass weeds	

USE RATE

WINTER WHEAT:
APPLY **4-6** FLUID OUNCES OF RAPTOR HERBICIDE PER ACRE (see WEEDS CONTROLLED section for detailed use rate recommendations).

A surfactant **and** nitrogen based fertilizer must be added to the spray solution for optimum weed control activity. See the ADJUVANTS section under MIXING INSTRUCTIONS for specific instructions.

Crop Specific Restrictions and Limitations

DO NOT apply more than 8 ounces of RAPTOR during the growing season.

There should be an interval of at least 30 days between an application of RAPTOR and feeding or grazing of wheat forage and hay. There should be at least 60 days from an application of RAPTOR and wheat harvested for grain.

WEEDS CONTROLLED – WINTER WHEAT

RAPTOR will control or suppress the weeds listed below when applied postemergence at the recommended rates listed below.

BROADLEAF WEEDS CONTROLLED BY RAPTOR

	Application Rate	Weed Size
	Ounces/Acre	Maximum size (inches)
Wild beet	4-6	3
Canola, volunteer	4-6	5
Chickweed, common	4-6	3
Cocklebur, common	4-6	3
Filaree,		
Redstem	5-6	3
Whitestem	5-6	3
Flixweed	4-6	3
Henbit	5-6	3
Knotweed, prostrate	5-6	3
Lambsquarters, common	4-6*	1
Lettuce, miners	5-6	3
Jimsonweed	4-6	3
Mallow,		
Common	5-6	3
Venice	5-6	1
Morningglory,		
Entireleaf	5-6	3
Ivyleaf	5-6	3
Smallflower	5-6	3
Tall	5-6	3
Mustard,		
tumble	4-6	3
wild	4-6	4
black	4-6	4
blue	4-6	4
Nightshade,		
black	4-6	5
Eastern black	4-6	5
Hairy	4-6	5
Pennycress, field	4-6	3
Pigweed,		
Redroot	4-6	5
Smooth	4-6	4
Spiny	4-6	3
Purslane, common	4-6	3
Radish, wild	4-6	3

*RAPTOR controls common lambsquarters at 4 oz./A East of the Rocky Mountains, apply 5-6 oz/A West of the RockyMountains.

BROADLEAF WEEDS CONTROLLED BY RAPTOR (Continued)

	Application Rate	Weed Size
	Ounces/Acre	Maximum size (inches)
Rocket, London	5-6	5
Rocket, yellow	5-6	5
Shepherdspurse	4-6	5
Smartweed,		
Ladysthumb	4-6	3
Pennsylvania	4-6	3
Swamp	5-6	3
Spurge, prostate	5-6	3
Tansymustard, green	4-6	4
Thistle, Russian (non-ALS resistant)	5-6	3
Velvetleaf	4-6	3

BROADLEAF WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Bedstraw	5-6	3
Buckwheat, wild*	5-6	3
Dandelion	5-6	3
Fiddleneck	5-6	3
Primrose		
Cutleaf	5-6	3
Evening	5-6	3
Ragweed,	5-6	
Common	5-6	3
Giant	5-6	3
Thistle, Canada	5-6	3

*See Specific Weed Problems section for more information.

GRASS WEEDS CONTROLLED BY RAPTOR – WINTER WHEAT

	Application Rate	Weed Size
	Ounces/Acre	Number of Leaves (maximum tillers)
Barnyardgrass	5-6	1-5 (1)
Brome,		
California	4-6	1-5 (2)
downy	4-6	1-5 (2)
cheat	4-6	1-5 (2)
Japanese	4-6	1-5 (2)
Canarygrass, littleseed	4-6	1-5 (2)
Cereals, volunteer		
Barley	4-6*	1-6 (1)
Oat	4-6*	1-6 (1)
Wheat (non-CLEARFIELD)	4-6*	1-4 (1)
Corn, volunteer (non-CLEARFIELD)	4-6	1-4
Crabgrass, large	5-6	1-4 (1)
Darnel, Persian	4-6	1-5 (2)
Foxtail,		
Giant	4-6	1-6 (2)
Green	4-6	1-4 (1)
Yellow	4-6	1-4 (1)
Johnsongrass, seedling	5-6	1-5 (1)
Jointed goatgrass	4-6	1-5 (2)
Oats, wild	4-6	1-5 (2)
Rescuegrass	4-6	1-4 (1)
Ryegrass, Italian*	4-6	1-4 (1)
Rye, feral or cereal*	4-6	1-4 (1)

GRASS WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Brome,		
California	4-6	6+ (3+)
downy	4-6	6+ (3+)
cheat	4-6	6+ (3+)
Japanese	4-6	6+ (3+)
Fescue, rattail	4-6	1-3
Johnsongrass, rhizome	6	1-5
Jointed goatgrass	4-6	6+(3+)
Sedges		
Purple	6	1-3
Yellow	6	1-3
Quackgrass	6	1-5

*See Specific Weed Problems section.

Specific Weed Problems

RAPTOR is most effective for grass control when applied in the fall. If summer annual broadleaf weeds germinate in the spring, (following a fall application of RAPTOR) a broadleaf herbicide may need to be applied. If the RAPTOR application is made in the spring, the broadleaf herbicide may be tank mixed with RAPTOR. For improved control of grasses such as feral rye, Italian regrass, and downy brome, use higher rates of nitrogen fertilizer up to 50% of the spray solution. Higher rates of nitrogen can improve grass weed control with RAPTOR, especially under drought stress conditions.

Feral Rye (cereal, volunteer rye): RAPTOR controls emerged feral rye only. Apply to feral rye before the first tiller forms. Once feral rye develops tillers, control is significantly reduced. If feral rye germinates in the fall, an application of RAPTOR in the fall will provide the best control. If feral rye germinates following an application of RAPTOR in the fall, a spring application may be necessary for control of subsequent germination flushes.

Italian Ryegrass: RAPTOR controls emerged Italian Ryegrass only. Under favorable growing conditions, ryegrass may germinate over several weeks (especially in the Southern US). RAPTOR does not provide residual control of Italian ryegrass. Due to the potential for multiple germination flushes, Italian ryegrass control in Oklahoma, Texas and New Mexico may not be satisfatory. Optimum application timing is to ryegrass with 3-4 leaves and before the first tiller. Weed control is reduced when tillers develop. In the Pacific Northwest a spring application of 6 oz/Acre of RAPTOR are recommended to achieve the most consistent control. If Italian ryegrass germinates following a fall application, a spring application may be necessary. Apply the higher recommended rate when Italian ryegrass is at the maximum recommended size, or to heavy grass populations.

Kochia: Naturally occuring ALS/AHAS resistant biotypes of kochia are common in wheat fields. In many cases, a tank mixture with RAPTOR will be required for acceptable control. If RAPTOR is applied in the spring, apply RAPTOR in a tank mixture with a herbicide(s) recommended to control on kochia (i.e. CLARITY + 2,4-D). Apply to kochia 2 inches in size or less.

Wild Buckwheat: For enhanced control of wild buckwheat, add Starane or CLARITY to the tank mixture. Apply to wild buckwheat with no more than 2 true leaves.

TANK MIX HERBICIDE COMBINATIONS WITH RAPTOR HERBICIDE

Recommended Tank Mixes For Postemergence Applications of RAPTOR on Imidazolinone Tolerant Wheat Varieties are:

Banvel®	Clarity®	Bronate® Curtail®
	Starane™	
(bromoxynil + MCPA)	MCPA	Stinger™
Buctril©	2,4-D	Weedmaster®

Limit bromoxynil applications (Bronate or Buctril) to 0.5 lb/acre of active ingredient when tankmixed with RAPTOR.

When broadleaf herbicides are tankmixed with RAPTOR, there may be some reduction in weed control, particularly grass weeds.

Sulfonylurea herbicides such as Ally®, Amber®, Everest™, Finnesse®, Express®, Harmony® Extra and Maverick™ should not be tankmixed with Beyond herbicide. Beyond herbicide tankmixes with sulfonylurea herbicides may result in unacceptable crop response.

When RAPTOR herbicide is used in combination with another herbicide, refer to the respective label for rates, methods and proper timing of application, weeds controlled, restrictions and precautions. Always use in accordance with the more restrictive label use directions and precautions.

EDIBLE LEGUMES - DIRECTIONS FOR USE

DO NOT apply RAPTOR to edible legumes in California.

RAPTOR may be applied to the following edible legumes:

Dry Beans	Dry Peas
Adzuki, Anazazi, Black, Black Turtle, Cranberry, Great Northern, Lima (dry), Navy, Pink, Pinto, Red kidney, Small red, Small white	**Dry edible peas (field peas) Southern peas (cow peas)**

DO NOT apply RAPTOR to snap beans, succulent peas, chickpeas (garbanzo beans), fresh limas, or lentils.

Reduced crop growth, temporary yellowing, quality, yield and/or delayed maturity may result from a RAPTOR application to edible legume crops listed on this label. Since crop maturity may be delayed, timing of harvest may need to be adjusted accordingly. DO NOT apply RAPTOR if planting is delayed and chance of frost prior to maturity is likely. Some varieties of edible legumes are more sensitive to RAPTOR than other varieties. Growers should check with the seed company regarding the safety of RAPTOR to their variety.

USE RAPTOR ONLY if proper agronomic practices have been utilized, including good soil fertility, proper crop rotation, disease and insect management and tillage practices that eliminate compaction and hardpans.

RAPTOR herbicide is effective in controlling weeds in conservation tillage and conventional production systems. Apply RAPTOR postemergence to dry beans with at least one fully expanded trifoliate leaf and to dry peas with at least 3 pairs of leaves and before the bloom stage. Delay application until the majority of the weeds are at the recommended growth stage. Application timing should be based on weed size and crop growth stage. Apply RAPTOR to crop and weeds that are actively growing.

USE RATE

APPLY 4 FLUID OUNCES OF RAPTOR HERBICIDE PER ACRE.
At this application rate, 1 gallon will treat 32 acres of edible legumes.

NOTE: Additional MIXING INSTRUCTIONS for EDIBLE LEGUMES.

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RAPTOR applications may be made to edible legumes either with, or without the addition of a fertilizer. The addition of nitrogen-based fertilizer such as ammonium sulfate or liquid fertilizers (such as 28-0-0) may improve weed control, but also increases the likelihood of dry bean response. When nitrogen and/or crop oils are added to the mixture, add Basagran® as a tank mixture partner at a rate of 6 to 16 oz./A to minimize crop response. For applications to dry peas, always add Basagran to the spray mixture, regardless of additives added. For enhanced grass activity, add a crop oil instead of surfactant. At 16 oz./A, Basagran will enhance control of common lambsquarters and kochia. Basagran applications at rates higher than 16 oz./A may reduce grass control.

Crop-Specific Restrictions and Limitations

There should be an interval of at least 60 days between an application of RAPTOR and harvest of dry edible peas and beans.

Only one application of RAPTOR may be made during the season.

A maximum of 4 ounces of RAPTOR per season may be applied to dry beans.

DO NOT feed treated edible legume forage, hay, or straw to livestock.

RAPTOR applications must be made before edible legume bloom.

WEEDS CONTROLLED

RAPTOR will control or suppress the weeds listed below when applied postemergence to 1 to 3 inch weeds (unless otherwise indicated) at the recommended rates listed below.

BROADLEAF WEEDS CONTROLLED BY RAPTOR

	Application Rate	
	4 fluid oz./A with a nonionic surfactant	**4 fluid oz./A with a nonionic surfactant or a crop oil, nitrogen-based fertilizer and Basagran**
	Maximum Weed Size (inches)	
Bedstraw		3
Beet, wild	3	3
Buttercup		3
Chickweed, common		3
Cocklebur, Common		3
Flixweed	3	3
Jimsonweed	3	3
Lambsquarters, common*	3	3
Mustard,		
tumble	3	3
wild	3	3
black	3	3
Nightshade,		
black	3	3
Eastern black	3	3
Hairy	3	3
Pennycress, field	3	3
Pigweed,		
Redroot	3	3
Smooth	3	3
Spiny	3	3
Punturevine		3
Radish, wild	3	3
Shepherdspurse	3	3Tansymustard,
green	3	3
Velvetleaf		3

*RAPTOR controls common lambsquarters at 4 oz./A East of the Rocky Mountains.

BROADLEAF WEEDS SUPPRESSED BY RAPTOR

	Application Rate	
	4 fluid oz./A with a nonionic surfactant	**4 fluid oz./A with a nonionic surfactant or a crop oil, nitrogen-based fertilizer and Basagran**
	Maximum Weed Size (inches)	
Buckwheat, wild		3
Chickweed, common	3	
Knotweed, prostrate		3
Kochia*		3
Lettuce, miners		3
Morningglory		
Entireleaf		3
Ivyleaf		3
Smallflower		3
Tall		3
Purslane, common		3
Rocket, London		3
Rocket, yellow		3
Smartweed		
Ladysthumb		3
Pennsylvania		3
Spurge, prostrate		3

*RAPTOR control non-ALS resistant kochia only.

GRASS WEEDS CONTROLLED BY RAPTOR

	Application Rate	
	4 fluid oz./A with a nonionic surfactant	**4 fluid oz./A with a nonionic surfactant or a crop oil, nitrogen-based fertilizer and Basagran**
	Maximum Weed Size (inches)	
Blackgrass		3
Brome,		
downy	3	3
cheat	3	3
Japanese	3	3
Canarygrass, littleseed		3
Cereals, volunteer		
Barley	3	3
Oat	3	3
Wheat (non-CLEARFIELD)	3	3
Darnel, Persian	3	3
Foxtail,		
Giant	3	3
Green	3	3
Yellow	3	3
Jointed goatgrass	3	3
Oats, wild	3	3
Ryegrass, Italian		3
Shattercane	3	3
Volunteer corn*		2-8

GRASS WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Barnyardgrass	3
Johnsongrass, rhizome	3
Crabgrass,	
Large	3
Smooth	3
Sedges	
Purple	3
Yellow	3
Quackgrass	3

*Except imidazolinone tolerant corn.

SOYBEANS - DIRECTIONS FOR USE

RAPTOR herbicide is effective in controlling weeds in conservation tillage and conventional production systems. RAPTOR can be applied early postemergence in soybeans but before the bloom stage. Refer to the specific treatment under the "APPLICATION INFORMATION" section of the label.

Unusually cool temperatures (50°F or less) reduce photosynthesis and transpiration and thus reduce uptake, translocation, and efficacy of RAPTOR herbicide in weeds. Delaying a RAPTOR application for 48 hours from the time the temperature increases to above 50°F, if air temperature has been below 50°F for 10 or more hours, will improve weed control and reduce crop response.

NO-TILL/MINIMUM TILLAGE AND DOUBLE CROP SOYBEANS

RAPTOR herbicide controls existing weeds and provides residual activity on some weeds when applied early postemergence to soybeans in no-till or minimum tillage and double crop soybean production systems. The application must be applied after emergence of the crop. (Refer to the WEEDS CONTROLLED chart for weeds controlled and recommended weed size).

To ensure thorough coverage, use a minimum of 20 gallons of water per acre in no-till or minimum tillage systems. Use higher gallonage for fields with dense vegetation or heavy crop residues.

Prior to planting or emergence of soybeans, Touchdown® or Roundup® Ultra or any glyphosate-containing product registered for that use may be applied to control emerged weeds. See specific product labeling for rates, recommendations, precautions and restrictions.

USE RATES

APPLY 4 FLUID OUNCES OF RAPTOR HERBICIDE PER ACRE WHEN PRECEDED BY A FULL RATE OF A REGISTERED SOIL APPLIED GRASS HERBICIDE LIKE PROWL® 3.3 EC HERBICIDE

OR

APPLY 5 FLUID OUNCES OF RAPTOR HERBICIDE PER ACRE IN A TOTAL POSTEMERGENCE HERBICIDE PROGRAM

RAPTOR may be applied postemergence at a broadcast rate of 4 fluid ounces per acre when it is preceded with a full labeled rate of a soil applied grass herbicide such as PROWL 3.3 EC herbicide. At this rate one gallon of RAPTOR will treat 32 acres of soybeans. RAPTOR may be applied postemergence at a broadcast rate of 5 fluid ounces per acre (including minimum and no-till). At this broadcast rate, one gallon of RAPTOR will treat 25.6 acres of soybeans.

Crop-Specific Restrictions and Limitation

There should be an interval of at least 85 days between an application of RAPTOR and soybean harvest.

RAPTOR applications must be made before soybean bloom.

Only one application of RAPTOR may be made during the season.

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

If soybeans are 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.

WEEDS CONTROLLED

When applied as directed, RAPTOR will control or suppress the weeds listed below as indicated. Refer to the MIXING INSTRUCTIONS section for recommendations when weeds are at the maximum recommended growth stage, or are under stress.

BROADLEAF WEEDS CONTROLLED BY RAPTOR HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM

	Application Rate	
	RAPTOR Postemergence Alone	PROWL 3.3 EC Soil Applied Followed by RAPTOR* Postemergence
	5 oz./A	4 oz./A
	Weed Size (inches)	
Artichoke, Jerusalem	3-8	3-8
Carpetweed		2-4
Chickweed, common	2-5	2-5
Cocklebur, common	2-8	2-8
Jimsonweed	2-6	2-6
Kochia**	1-4	1-4
Lambsquarters, common	2-5	2-5
Marshelder	2-4	2-4
Mallow, Venice	1-4	
Morningglory,		
Entireleaf	2-4	
Ivyleaf	2-4	
Smallflower	2-4	
Tall	2-4	
Mustard spp.	2-8	2-8
Nightshade,		
black	2-5	2-5
Eastern black	2-5	2-5
hairy	2-5	2-5
Pigweed,		
Palmer amaranth***	2-4	2-4
prostrate	2-5	2-5
redroot	2-8	2-8
smooth	2-8	2-8
spiny	2-5	2-5
Punturevine	1-3	
Purslane, common	1-3	1-3
Pusley, Florida		2-4
Radish, wild	2-4	2-4
Ragweed,		
Giant***	2-5	2-5
Common***	2-5	
Smartweed,		
ladysthumb	2-5	2-5
Pennsylvania	2-5	2-5

BROADLEAF WEEDS CONTROLLED BY RAPTOR HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM (Continued)

	Application Rate	
	RAPTOR Postemergence Alone	PROWL 3.3 EC Soil Applied Followed by RAPTOR* Postemergence
	5 oz./A	4 oz./A
	Weed Size (inches)	
Spurge, annual		2-4
Sunflower	2-8	2-8
Velvetleaf	2-8	2-8

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide is followed by a postemergence application of RAPTOR herbicide at a broadcast rate of 4 fluid ounces per acre.

**Control of light to moderate populations only. For control of heavier populations use a SEQUENTIAL APPLICATION with a soil applied grass herbicide as described above.

***Control of light to moderate populations of ALS susceptible biotypes only. For control of heavier populations and ALS tolerant biotypes see the HERBICIDE COMBINATION section.

BROADLEAF WEEDS SUPPRESSED BY RAPTOR HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM

	Application Rate	
	RAPTOR Postemergence Alone	PROWL 3.3 EC Soil Applied Followed by RAPTOR* Postemergence
	5 oz./A	4 oz./A
	Weed Size (inches)	
Bindweed		
field (seedling)	2-4	2-4
hedge (seedling)	2-4	2-4
Buckwheat, wild	1-3	1-3
Mallow, Venice**		1-4
Morningglory,		
entireleaf**		2-4
ivyleaf**		2-4
pitted	2-4	2-4
smallflower**		2-4
tall**		2-4
Ragweed, common**		2-5
Sida, prickly	2-4	2-4
Sowthistle, annual	2-4	2-4
Thistle, Canada	2-5	2-5

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide is followed by a postemergence application of RAPTOR herbicide at a broadcast rate of 4 fluid ounces per acre.

**For control see the 5 ounce rate and HERBICIDE COMBINATION section.

GRASS WEEDS CONTROLLED BY RAPTOR HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM

	Application Rate	
	RAPTOR Postemergence Alone	**PROWL 3.3 EC Soil Applied Followed by RAPTOR* Postemergence**
	5 oz./A	**4 oz./A**
	Weed Size (inches)	
Barley, wild	2-4	2-4
Barnyardgrass	2-5**	2-5
Crabgrass,		
large		2-4
smooth		2-4
Crowfoot grass		2-5
Cupgrass, woolly		2-4
Foxtail,		
giant	2-6	2-6
green	2-6	2-6
yellow	2-6	2-6
Goosegrass		2-5
Johnsongrass,		
seedling	4-8	4-8
Millet, wild proso	2-4**	2-4
Oats, wild	2-6	2-6
Panicum,		
fall	2-6	2-6
Texas		2-6
Sandbur, field***		2-5
Shattercane	2-8	2-8
Signalgrass, broadleaf	2-5**	2-5
Volunteer corn****	2-8	2-8
Volunteer wheat (non-CLEARFIELD)	2-4***	2-4
Witchgrass		2-5

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide is followed by a post-emergence application of RAPTOR herbicide at a broadcast rate of 4 fluid ounces per acre.

**Control of light to moderate populations only. For control of heavier populations use a SEQUENTIAL APPLICATION with a soil applied grass herbicide as described above.

***For control a dinitroaniline (DNA) herbicide such as PROWL 3.3 EC herbicide must be soil applied at a full-labeled rate.

****Except imidazolinone tolerant corn.

GRASS WEEDS SUPPRESSED BY RAPTOR HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM

	Application Rate	
	RAPTOR Postemergence Alone	PROWL 3.3 EC Soil Applied Followed by RAPTOR* Postemergence
	5 oz./A	4 oz./A
	Weed Size (inches)	
Crabgrass		
large	2-4	
smooth	2-4	
Cupgrass, woolly	2-4	
Goosegrass	2-4	
Itchgrass		2-5
Johnsongrass rhizome	6-12	6-12
Quackgrass		4-8
Red rice		2-5
Stinkgrass	2-4	
SEDGES		
Nutsedge,		
purple	1-3	1-3
yellow	1-3	1-3

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide is followed by a postemergence application of RAPTOR herbicide at a broadcast rate of 4 fluid ounces per acre.

HERBICIDE COMBINATIONS

GRASS WEEDS

Use a soil applied grass herbicide (such as PROWL 3.3 EC herbicide) if heavy infestations of some grass weeds exist or if RAPTOR herbicide does not control the species present. Refer to the PROWL 3.3 EC (or other grass herbicide) label for specific use recommendations, rates and precautions.

Roundup® Ultra may be tank-mixed with RAPTOR to aid in control of certain grasses only in Roundup Ready Soybeans. Other glyphosate containing products registered for use on Roundup Ready soybeans may be substituted for Roundup Ultra. See the Roundup Ultra label (or other product labels) for rates and weeds controlled. DO NOT tankmix RAPTOR with EXTREME or BACKDRAFT herbicides. If a selective postemergence grass herbicide such as Poast Plus® is mixed with RAPTOR to control species that are not controlled with RAPTOR alone, include a methylated seed oil, or a crop oil concentrate (1-2 gallons per 100 gallons) AND liquid fertilizer (2.5 gallons per 100 gallons) should be added to the tank-mixture. In some cases the activity of the grass herbicide may be reduced when mixed with RAPTOR. The reduction in activity may be overcome by delaying the application of the postemergence grass herbicide 7 days following the application of RAPTOR. If the postemergence grass herbicide is applied first, wait 3 days before applying RAPTOR. Refer to the respective grass herbicide label for recommended application rate, weed size and restrictions.

BROADLEAF WEEDS

Roundup Ultra may be tank-mixed with RAPTOR to aid in control of certain broadleaf weeds only in Roundup Ready Soybeans. See the Roundup Ultra label for rates and weeds controlled.

Tank-mixing RAPTOR and certain broadleaf herbicides (e.g. diphenylethers and Basagran®) can reduce grass control, therefore a sequential program including a soil applied grass herbicide such as PROWL 3.3 EC is recommended for optimal control.

Enhanced control of ragweed species, Palmer amaranth, waterhemp, and Kochia.

Use a soil application of PROWL 3.3 EC herbicide followed by a postemergence application of RAPTOR herbicide at a broadcast rate of 4 to 5 fluid ounces per acre plus a diphenylether such as ULTRA BLAZER® (acifluorfen) or Roundup Ultra for enhanced control of ragweeds, Palmer amaranth, waterhemp, and kochia. Refer to the PROWL 3.3 EC and ULTRA BLAZER or Roundup® Ultra labels for specific use recommendations, rates, restrictions and precautions.

When tank-mixing RAPTOR and ULTRA BLAZER, apply RAPTOR at a broadcast rate of 5 fluid ounces per acre or 4 fluid ounces per acre when preceded by a full rate of a registered soil applied grass herbicide. Apply ULTRA BLAZER at the following rates depending on weed height:

ULTRA BLAZER Rate (ounces per acre)*

Weed	8-10 oz.	12-14 oz.	6-20 oz.
Ragweed spp.	2-4"	4-6"	6-8"
Palmer amaranth	2-4"	4-6"	6-8"
Waterhemp spp.	2-4"	4-6"	6-8"
Kochia	2-4"	4-6"	6-8"

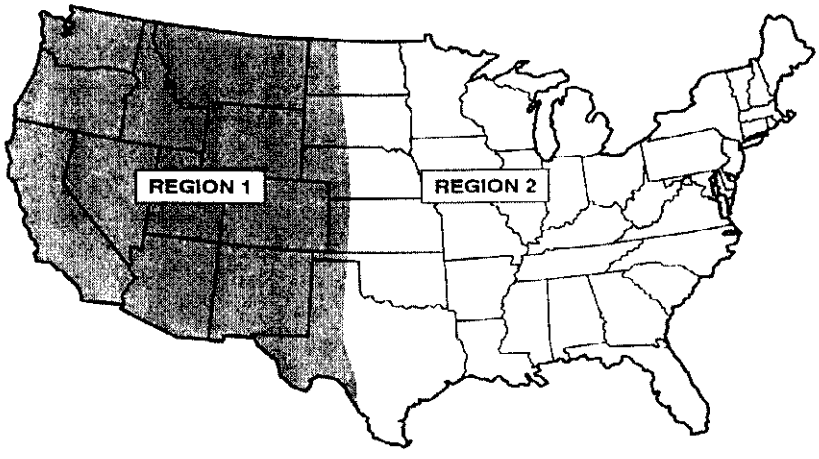
*Use the higher rate if common ragweed is present or the weed population is high.

Enhanced control of common ragweed and giant ragweed.

Firstrate® may be tank-mixed with RAPTOR to aid in the control of common ragweed and giant ragweed. When tank-mixing Firstrate with RAPTOR, apply 0.15 to 0.3 ounces per acre of Firstrate. Use the higher rate when weeds approach maximum labeled size. See the Firstrate label for recommended rates and precautions.

ROTATIONAL CROP GUIDELINES

Rotational crops may be planted after applying the recommended rate of RAPTOR herbicide in the regions as indicated below. Planting earlier than the recommended interval may result in crop injury.



Region 1 consists of states and parts of states WEST of U.S. Highway 83. (Arizona, California, Idaho, Oregon, Washington, Utah, Nevada, New Mexico, Wyoming, Montana, Colorado, and western parts of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma and Texas.

Region 2 consists of states and parts of states to the EAST of U.S. Highway 83. (Includes the Eastern parts of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, and the states to the east of these states.

Rotational Interval (months) Following an Application of RAPTOR Herbicide

Plant-back Interval (Months)	Region 1	Region 2
Anytime	CLEARFIELD canola CLEARFIELD wheat Edible legumes soybeans	CLEARFIELD canola CLEARFIELD wheat Edible legumes soybeans
Three months	Alfalfa Wheat (non -CLEARFIELD)	Alfalfa Wheat (non -CLEARFIELD)
Four months	Rye	Barley Rye
Eight and one-half months	Corn (field, pop, seed, sweet, CLEARFIELD and non-CLEARFIELD)	Corn (field, pop, seed, sweet, CLEARFIELD and non-CLEARFIELD)
Nine months	Barley* Peanut Cantaloupe Pumpkin Cotton Rice Grain Sorghum Squash Lettuce Sunflower Millets Tobacco Oat Watermelon Onion	Broccoli Peanut Cabbage Pepper Cantaloupe Potato Carrot Pumpkin Cotton Rice Cucumber Squash Grain Sorghum Sunflower Lettuce Tobacco Millets Tomato Oat Turnip Onion Watermelon
Eighteen months	Barley* Pepper Broccoli Potato Cabbage Tomato Carrot Turnip Cucumber **All other crops not listed in the ROTATIONAL CROP guideline**	Canola Condiment Mustard Sugarbeet** Table beet** **All other crops not listed in the ROTATIONAL CROPS guideline**
Twenty-six months	Sugarbeet* Canola Condiment Mustard Table beet	Sugarbeet** Table beet**

*In **Region 1**, refer to the following table for guideline for planting barley following applications of RAPTOR herbicide.

Barley Rotational Interval Based on pH, Moisture and Tillage (Region 1)

		Moldboard plowing?	
		NO	**YES**
pH and Rainfall Requirements	**>18" R+I AND pH >6.2**	9 months	9 months
	<18" R+I OR pH <6.2	18 months	9 months

R+I = Rainfall and overhead irrigation from the time of RAPTOR application to barley planting. **Does not include furrow or flood irrigation**.

If the rainfall or pH requirements are not fully met, and barley is planted prior to 18 months, injury may be reduced by tillage, such as deep disking (greater than 6 inches deep) after crop harvest but prior to November 1.

In **Region 2, sugarbeet and table beets can be planted eighteen months following an application of RAPTOR if the soil pH is uniformly 6.2 or greater. If the soil pH is less than 6.2, the rotational interval is 26 months. Sugarbeet yields can be reduced when grown in soil conditions with a pH less than 6.2. If the soil is limed to adjust the soil pH, apply the lime at least 18 months prior to planting sugarbeets or other rotational crops under the 18 month rotational interval.

When taking soil samples to determine soil pH, utilize a grid sampling technique, sampling to a depth of 3-4 inches.

Furrow and Flood Irrigated Crops

Following harvest of furrow or flood irrigated crops, the soil should be thoroughly mixed by plowing or deep disking in order to minimize the potential for herbicide carryover to the following crop.

Use of RAPTOR 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, such as arid conditions, make it impossible to eliminate all risks associated with the use of this product and, therefore, rotational crop injury is always possible.

GENERAL PRECAUTIONS

In the event of a crop loss due to weather, edible legumes, CLEARFIELD canola, CLEARFIELD wheat, or soybeans can be replanted. Do not make an additional application of RAPTOR.

Application of products containing chlorimuron ethyl (Classic®, Canopy®, Synchrony®, Gemini®, Lorox Plus®, Preview®, etc.), metsulfuron-methyl (Harmony® Extra), flumetsulam (Broadstrike + Dual®, Broadstrike® + Treflan®), imazaquin (SCEPTER®, SQUADRON®, TRI-SCEPT®, SCEPTER® O.T.®, SCEPTER® 70DG, or imazethapyr (PURSUIT®, PURSUIT® DG, PURSUIT® PLUS EC) the same year as RAPTOR may increase the risk of injury to sensitive rotational crops. Consult all pertinent labels for recommended uses of these products in combinations.

If arid conditions occur during the year of application rotational crop injury may occur.

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

NVA 2001-04-133-0108
12-28-2001
Revised: 7-24-02

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BEYOND™ herbicide

FOR USE ON CLEARFIELD* CANOLA AND CLEARFIELD* WHEAT

Apply Only on Imidazolinone Tolerant Canola and Wheat Varieties

ACTIVE INGREDIENT:	
Ammonium salt of imazamox 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid*	12.1%
INERT INGREDIENTS	87.9%
TOTAL	100.0%

*Equivalent to 11.4% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid

(1 gallon contains 1.0 pound of active ingredient as the free acid)

U.S. Patent No. 5,334,576
EPA Reg. No. 241-379 EPA Est. No. 241-PR-002

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).

FIRST AID

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.

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

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

ACCEPTED with COMMENTS In EPA Letter Dated

JAN 29 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 241-379

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

See Next Page for Additional Precautionary Statements

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

Net Contents: 1 Gallon (3.785 liter)

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION!

Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment (PPE):
Some materials that are chemical-resistant to this product are listed below. If you want more options, follow 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 ≥14 mils, or natural rubber ≥14 mils, or neoprene rubber ≥14 mils, or nitrile rubber ≥14 mils.
- shoes 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 pesticide may be hazardous to plants outside the treated area. DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Offsite movement from spray drift, volatilization, and runoff may be hazardous to neighboring crops and vegetative habitat utilized for food and cover by wildlife and aquatic organisms. DO NOT contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of pesticide application.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 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, 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

Ensure spray drift to non-target species does not occur.

DO NOT apply BEYOND in any manner not specifically described in this label.

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

When applied by either ground or air, BEYOND spray drift or other indirect contact may injure sensitive crops, including, but not limited to, non-CLEARFIELD wheat or canola, sugarbeets, and leafy vegetables.

Spray equipment used for BEYOND application must be drained and thoroughly cleaned with water before being used to apply other products.

Observe all cautions and limitations on this label and on the labels of products used in combination with BEYOND herbicide. Do not use BEYOND other than in accordance with the instructions set forth on this label. The use of BEYOND not consistent with this label may result in injury to crops. Keep containers closed to avoid spills and contamination.

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.

In Case of Emergency:

In case of large-scale spillage regarding this product call:

CHEMTREC	800-424-9300
BASF Corporation	800-832-HELP

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- BASF Corporation (800-832-HELP)

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 BASF Corporation. 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 BEYOND 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

The mode of weed killing activity involves uptake of BEYOND herbicide by foliage and/or weed roots and rapid translocation to the growing points. After BEYOND application, susceptible weeds may show yellowing and weed growth will stop. Susceptible weeds stop growing and either die or are not competitive with the crop. Adequate soil moisture is important for optimum BEYOND activity. When adequate soil moisture is present, BEYOND will provide residual activity of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil

When organophosphate (such as Lorsban™) or carbamate insecticides are tank-mixed with BEYOND herbicide, temporary injury may result to the treated crop.

Use of BEYOND herbicide 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.

Occasionally, internode shortening and/or temporary yellowing of crop plants may occur following BEYOND applications. These effects can be more pronounced if crops are growing under stressful environmental conditions. These effects occur infrequently and are temporary. Normal growth and appearance should resume within 1-2 weeks.

Replanting: If replanting is necessary in a field previously treated with BEYOND, the field may be replanted to CLEARFIELD Canola, CLEARFIELD Wheat, edible legumes, or soybeans. Rework the soil no deeper than 2 inches. DO NOT apply a second treatment of BEYOND.

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. Other herbicides with the ALS/AHAS enzyme inhibiting mode of action include the sulfonylureas (e.g., Ally®, Amber®, Everest™, Express®, Finesse®, Glean®, Harmony® Extra, Peak®, Maverick™, Rave™, etc.). If naturally occurring ALS/AHAS resistant biotypes are present in a field, BEYOND and/or any other ALS/AHAS enzyme inhibiting mode of action herbicide should be tank-mixed or applied sequentially with an appropriate registered herbicide having a different mode of action to ensure control.

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

BEYOND is very active against many broadleaf and grass weed species. For long term weed management, use two herbicides with different modes of action to reduce the potential for weed resistance. Crop (and herbicide) rotation is also effective in managing weed resistance where herbicides of different modes of action are used. Tillage, where practical (such as in fallow production, or prior to planting) is also effective in controlling weeds to minimize resistance development. Additionally, a burndown herbicide during fallow or prior to planting is also effective in reducing weed resistance development.

MIXING INSTRUCTIONS

POSTEMERGENCE APPLICATIONS OF BEYOND REQUIRE THE ADDITION OF AN ADJUVANT **AND** A NITROGEN 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 (0.25%) of spray solution.

AND

II. NITROGEN FERTILIZER

Recommended nitrogen based fertilizers include liquid fertilizers (such as liquid ammonium sulfate, 28%N, 32%N or 10-34-0) at the rate of 1 - 2.5 gallons per 100 gallons of spray solution. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 5-15 pounds per 100 gallons of spray solution.

Note: Nitrogen fertilizer is not required when applied in use areas south of Interstate Highway 40, except in the states of Texas, New Mexico, Oklahoma, Arizona, and California.

CROP OIL CONCENTRATE OR METHYLATED SEED OIL: A petroleum or vegetable seed based crop oil concentrate or methylated seed oil may be substituded for nonionic surfactant with BEYOND in **CLEARFIELD Canola only**. Use of crop oil concentrate or methylated seed oil is recommended when weeds are under moisture or temperature stress. Use crop oil concentrate or methylated seed oils at a rate of 1-2 gallons per 100 gallons of spray solution.

DO NOT USE CROP OIL CONCENTRATE OR METHYLATED SEED OIL WITH BEYOND IN CLEARFIELD WHEAT

Fill the spray tank one-half to three-quarters full with clean water. Use a calibrated measuring device to measure the required amount of BEYOND herbicide. Add BEYOND to the spray tank while agitating. Add adjuvants and fertilizer and fill the remainder of the tank with water.

LIQUID FERTILIZER AS A CARRIER

DO NOT apply BEYOND in liquid fertilizer concentrate except BEYOND may be applied to CLEARFIELD winter wheat in a water/liquid fertilizer solution with at least 50% water. Add a non-ionic surfactant at the rate of 1 quart per 100 gallons of spray solution(0.25%). Some crop leaf burn from the fertilizer in the solution may occur from the fertilizer application.

TANK MIX COMBINATIONS WITH OTHER HERBICIDES

If other herbicides or other spray tank components are tank-mixed with BEYOND, while agitating, add components in the following order and thoroughly mix after adding each component:

1) Fill spray tank 1/2 to 3/4 full with clean water.
2) Add soluble packet products and thoroughly mix.
3) Add WP (wettable powder), DG (dispersible granule), DF (dry flowable) or liquid flowable formulations not in soluble packets.
4) Add BEYOND and thoroughly mix.
5) Add other aqueous solution products.

6) Add EC (emulsifiable concentrate) products.
7) Add surfactant to the spray tank.
8) Add nitrogen fertilizer solution.
9) While agitating, fill the remainder of the tank with water.

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

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

SPRAYING INSTRUCTIONS

DO NOT apply when wind conditions may result in drift, when temperature inversion conditions exist, or when spray may be carried to sensitive crops. Sensitive crops include but are not limited to leafy vegetables and sugarbeet.

GROUND APPLICATION

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 BEYOND herbicide to minimum or no-till crops. 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 flat-fan nozzle tips or similar appropriate nozzle tips to ensure adequate coverage.

Avoid overlaps when spraying.

GROUND APPLICATION WITH A LOW VOLUME SPRAYER

BEYOND may be applied with a low volume (Spra-Coupe™-type) sprayer. When applying BEYOND with a low volume sprayer, spray the weeds before they reach the maximum size listed in this label. Adequate control of weeds is dependent upon good spray coverage of the weeds. The sprayer must be calibrated to deliver the recommended spray volume and pressure to ensure adequate spray coverage of the weeds.

When applying BEYOND with a low volume sprayer, apply a minimum of 10 gallons per acre of spray solution with a nozzle pressure between 40-60 psi for optimum coverage.

AERIAL APPLICATION

BEYOND herbicide may be applied by air to all crops listed on this label.

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. The addition of an adjuvant AND fertilizer solution are required for optimum weed control. 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 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 10 mph (greater than 5 mph in California).
- Coarse sprays (larger droplets) are less likely to drift.

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

APPLICATION INFORMATION

Apply BEYOND herbicide as a postemergence treatment when weeds are actively growing and before they exceed the maximum recommended size (see weed control tables following each crop). Delay application until the majority of the weeds are at the recommended growth stage. Application timing should be based on weed size and not crop growth stage. Apply BEYOND to crops and weeds that are actively growing. Under conditions of cold temperatures (less than 50°F, maximum daytime temperatures), weed control may be less than optimal.

When BEYOND is applied postemergence, absorption will occur through both the roots and foliage. Susceptible weeds stop growing and either die or are not competitive with the crop. BEYOND not only controls many existing broadleaf and grass weeds when applied postemergence, it also provides activity on susceptible weeds that may emerge shortly after application.

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

CLEARFIELD CANOLA - DIRECTIONS FOR USE

BEYOND herbicide is effective in controlling weeds in conservation tillage and conventional production systems. BEYOND can be applied early postemergence in **CLEARFIELD CANOLA** but before the bloom stage. Refer to the specific treatment under the "SPRAYING INSTRUCTIONS" section of the label.

USE RATE

Apply BEYOND postemergence only at a rate of 4 oz. per acre. At this rate one gallon of BEYOND will treat 32 acres of CLEARFIELD Canola. It is recommended that a registered soil applied grass herbicide be used prior to use of BEYOND.

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

Crop-Specific Restrictions and Limitations

DO NOT apply more than 4 ounces of BEYOND during the growing season.

WEEDS CONTROLLED

BROADLEAF WEEDS CONTROLLED BY BEYOND

	Maximum Weed Size (inches)
Beet, wild	3
Canola, volunteer (non-CLEARFIELD)	3
Chickweed, common	3
Cocklebur, common	3
Jimsonweed	3
Flixweed	3
Lambsquarters, common	3*
Mustard,	
tumble	3
wild	3
black	3
Nightshade,	
black	3
Eastern black	3
Hairy	3
Pennycress, field	3
Pigweed,	
Redroot	3
Smooth	3
Spiny	3
Radish, wild	3
Shepherdspurse	3
Smartweed,	
Ladysthumb	3
Pennsylvania	3
Tansymustard, green	3
Velvetleaf	3

*BEYOND controls common lambsquarters at 4 oz./A East of the Rocky Mountains

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BROADLEAF WEEDS SUPPRESSED BY BEYOND

	Maximum Weed Size (inches)
Buckwheat, wild	3
Flax	2
Knotweed, prostrate	3
Lettuce, miners	3
Morningglory	
Entireleaf	3
Ivyleaf	3
Smallflower	3
Tall	3
Rocket, London	3
Rocket, Yellow	3
Spurge, prostrate	3
Thistle, Russian (non-ALS resistant)	3

GRASS WEEDS CONTROLLED BY BEYOND

	Weed Size
	Number of Leaves (maximum tillers)
Blackgrass	1-4 (1)
Brome,	
downy	1-5 (2)
cheat	1-5 (2)
Japanese	1-5 (2)
Canarygrass, littleseed	1-5 (2)
Cereals, volunteer	
Barley	1-5 (1)
Oat	1-5 (1)
Wheat (non-CLEARFIELD)	1-4 (1)
Darnel, Persian	1-5 (2)
Foxtail,	
Giant	1-6 (2)
Green	1-4 (1)
Yellow	1-4 (1)
Jointed goatgrass	1-6 (2)
Oats, wild	1-5 (2)
Ryegrass, Italian	1-4 (1)
Rye, feral or cereal	1-4 (1)
Shattercane	1-6 (2)

GRASS WEEDS SUPPRESSED BY BEYOND APPLICATIONS

Barnyardgrass	1-4 (1)
Corn, volunteer	1-4 (1)
Crabgrass, large	1-4 (1)

Specific Weed Problems
Canada Thistle: For enhanced activity of Canada thistle, add Stinger™ to the tank mixture. Apply to Canada thistle in the rosette stage.

CLEARFIELD WHEAT - DIRECTIONS FOR USE

BEYOND can be applied postemergence on CLEARFIELD WHEAT (imidazolinone tolerant wheat) varieties. Apply only on selected winter wheat varieties labeled as "CLEARFIELD" and warranted by the seed supplier to possess tolerance to direct application of certain imidazolinone herbicides. DO NOT apply BEYOND to wheat varieties which lack resistance/tolerance to imidazolinone herbicides. Contact your seed supplier, chemical dealer or BASF to obtain information regarding imidazolinone tolerant wheat varieties.

Apply BEYOND herbicide as an early postemergence treatment when weeds are actively growing and before broadleaf weeds exceed a height of 3 inches and grasses exceed 4-5 leaves (unless otherwise indicated). Under conditions of cold temperatures (less than 40°F, maximum daytime temperatures), weed control may be less than optimal. A thin stand of wheat may result in unacceptable weed control. BEYOND herbicide is effective in controlling weeds in conservation tillage and conventional tillage wheat production systems. BEYOND can be applied in the fall/winter or spring for winter or spring annual weed control, respectively. Delay application until the majority of the weeds are at the recommended growth stage. When a mixture of grasses and broadleaf weeds are present, time the application to the grass weeds for optimum control.

When adequate soil moisture is present, BEYOND will provide residual activity of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil.

Occasionally, reduction in plant height or temporary yellowing of crop plants may occur following BEYOND applications. These effects can be more pronounced if crops are growing under stressful environmental conditions. These effects are temporary. Normal growth and appearance should resume within 1 to 2 weeks. To avoid possible crop injury, do not apply BEYOND herbicide to CLEARFIELD wheat when extreme cold temperatures are expected within one week of application.

Weed control is optimized when BEYOND is applied to actively growing wheat. Plant a locally adapted CLEARFIELD variety at the normal seeding rate for your geography. Apply to wheat after tiller initiation has begun and prior to the jointing stage of growth (and when the weeds are at the appropriate size – see WEEDS CONTROLLED tables).

BEYOND Application Timing – Winter Wheat
Apply BEYOND herbicide at the following crop and weed stages of growth:

CLEARFIELD Wheat	after tiller initiation and prior to joint
Broadleaf weeds	refer to weed control tables for specific weed sizes
Grass weeds	

*.

USE RATE

WINTER WHEAT:
APPLY **4-6** FLUID OUNCES OF BEYOND HERBICIDE PER ACRE (see WEEDS CONTROLLED section for detailed use rate recommendations).

A surfactant **and** nitrogen based fertilizer must be added to the spray solution for optimum weed control activity. See the ADJUVANTS section under MIXING INSTRUCTIONS for specific instructions.

Crop Specific Restrictions and Limitations

DO NOT apply more than 8 ounces of BEYOND during the growing season.

There should be an interval of at least 30 days between an application of BEYOND and feeding or grazing of wheat forage and hay. There should be at least 60 days from an application of BEYOND and wheat harvested for grain.

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WEEDS CONTROLLED – WINTER WHEAT

BEYOND will control or suppress the weeds listed below when applied postemergence at the recommended rates listed below.

BROADLEAF WEEDS CONTROLLED BY BEYOND

	Application Rate	Weed Size
	Ounces/Acre	Maximum size (inches)
Wild beet	4-6	3
Canola, volunteer	4-6	5
Chickweed, common	4-6	3
Cocklebur, common	4-6	3
Filaree,		
Redstem	5-6	3
Whitestem	5-6	3
Flixweed	4-6	3
Henbit	5-6	3
Knotweed, prostrate	5-6	3
Lambsquarters, common	4-6*	1
Lettuce, miners	5-6	3
Jimsonweed	4-6	3
Mallow,		
Common	5-6	3
Venice	5-6	1
Morningglory,		
Entireleaf	5-6	3
Ivyleaf	5-6	3
Smallflower	5-6	3
Tall	5-6	3
Mustard,		
tumble	4-6	3
wild	4-6	4
black	4-6	4
blue	4-6	4
Nightshade,		
black	4-6	5
Eastern black	4-6	5
Hairy	4-6	5
Pennycress, field	4-6	3
Pigweed,		
Redroot	4-6	5
Smooth	4-6	4
Spiny	4-6	3
Purslane, common	4-6	3
Radish, wild	4-6	3

*BEYOND controls common lambsquarters at 4 oz./A East of the Rocky Mountains, apply 5-6 oz/A West of the RockyMountains.

BROADLEAF WEEDS CONTROLLED BY BEYOND (Continued)

	Application Rate	Weed Size
	Ounces/Acre	Maximum size (inches)
Rocket, London	5-6	5
Rocket, yellow	5-6	5
Shepherdspurse	4-6	5
Smartweed,		
Ladysthumb	4-6	3
Pennsylvania	4-6	3
Swamp	5-6	3
Spurge, prostate	5-6	3
Tansymustard, green	4-6	4
Thistle, Russian (non-ALS resistant)	5-6	3
Velvetleaf	4-6	3

BROADLEAF WEEDS SUPPRESSED BY BEYOND APPLICATIONS

Bedstraw	5-6	3
Buckwheat, wild*	5-6	3
Dandelion	5-6	3
Fiddleneck	5-6	3
Primrose		
Cutleaf	5-6	3
Evening	5-6	3
Ragweed,	5-6	
Common	5-6	3
Giant	5-6	3
Thistle, Canada	5-6	3

*See Specific Weed Problems section for more information.

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GRASS WEEDS CONTROLLED BY BEYOND – WINTER WHEAT

	Application Rate	Weed Size
	Ounces/Acre	Number of Leaves (maximum tillers)
Barnyardgrass	5-6	1-5 (1)
Brome,		
California	4-6	1-5 (2)
downy	4-6	1-5 (2)
cheat	4-6	1-5 (2)
Japanese	4-6	1-5 (2)
Canarygrass, littleseed	4-6	1-5 (2)
Cereals, volunteer		
Barley	4-6*	1-6 (1)
Oat	4-6*	1-6 (1)
Wheat (non-CLEARFIELD)	4-6*	1-4 (1)
Corn, volunteer (non-CLEARFIELD)	4-6	1-4
Crabgrass, large	5-6	1-4 (1)
Darnel, Persian	4-6	1-5 (2)
Foxtail,		
Giant	4-6	1-6 (2)
Green	4-6	1-4 (1)
Yellow	4-6	1-4 (1)
Johnsongrass, seedling	5-6	1-5 (1)
Jointed goatgrass	4-6	1-5 (2)
Oats, wild	4-6	1-5 (2)
Rescuegrass	4-6	1-4 (1)
Ryegrass, Italian*	4-6	1-4 (1)
Rye, feral or cereal*	4-6	1-4 (1)

GRASS WEEDS SUPPRESSED BY BEYOND APPLICATIONS

Brome,		
California	4-6	6+ (3+)
downy	4-6	6+ (3+)
cheat	4-6	6+ (3+)
Japanese	4-6	6+ (3+)
Fescue, rattail	4-6	1-3
Johnsongrass, rhizome	6	1-5
Jointed goatgrass	4-6	6+(3+)
Sedges		
Purple	6	1-3
Yellow	6	1-3
Quackgrass	6	1-5

*See Specific Weed Problems section.

Specific Weed Problems

BEYOND is most effective for grass control when applied in the fall. If summer annual broadleaf weeds germinate in the spring, (following a fall application of BEYOND) a broadleaf herbicide may need to be applied. If the BEYOND application is made in the spring, the broadleaf herbicide may be tank mixed with BEYOND. For improved control of grasses such as feral rye, Italian regrass, and downy brome, use higher rates of nitrogen fertilizer up to 50% of the spray solution. Higher rates of nitrogen can improve grass weed control with BEYOND, especially under drought stress conditions.

Feral Rye (cereal, volunteer rye): BEYOND controls emerged feral rye only. Apply to feral rye before the first tiller forms. Once feral rye develops tillers, control is significantly reduced. If feral rye germinates in the fall, an application of BEYOND in the fall will provide the best control. If feral rye germinates following an application of BEYOND in the fall, a spring application may be necessary for control of subsequent germination flushes.

Italian Ryegrass: BEYOND controls emerged Italian Ryegrass only. Under favorable growing conditions, ryegrass may germinate over several weeks (especially in the Southern US). BEYOND does not provide residual control of Italian ryegrass. Due to the potential for multiple germination flushes, Italian ryegrass control in Oklahoma, Texas and New Mexico may not be satisfactory. Optimum application timing is to ryegrass with 3-4 leaves and before the first tiller. Weed control is reduced when tillers develop. In the Pacific Northwest spring applications of 6 oz/Acre of BEYOND are recommended to achieve the most consistent control. If Italian ryegrass germinates following a fall application, a spring application may be necessary. Apply the higher recommended rate when Italian ryegrass is at the maximum recommended size, or to heavy grass populations.

Kochia: Naturally occurring ALS/AHAS resistant biotypes of kochia are common in wheat fields. In many cases, a tank mixture with BEYOND will be required for acceptable control. If BEYOND is applied in the spring, apply BEYOND in a tank mixture with a herbicide(s) recommended to control kochia (i.e. CLARITY + 2,4-D). Apply to kochia 2 inches in size or less.

Wild Buckwheat: For enhanced control of wild buckwheat, add Starane or CLARITY to the tank mixture. Apply to wild buckwheat with no more than 2 true leaves.

TANK MIX HERBICIDE COMBINATIONS WITH BEYOND HERBICIDE

Recommended Tank Mixes For Postemergence Applications of BEYOND on Imidazolinone Tolerant Wheat Varieties are:

Banvel®	Clarity®	Bronate® Curtail®
	Starane™	
(bromoxynil + MCPA)	MCPA	Stinger™
Buctril®	2,4-D	Weedmaster®

Limit bromoxynil applications (Bronate or Buctril) to 0.5 lb/acre of active ingredient when tankmixed with BEYOND.

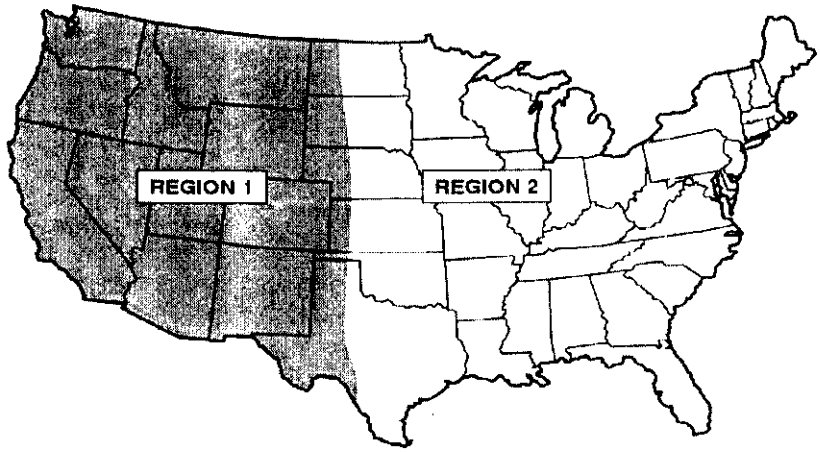
When broadleaf herbicides are tankmixed with BEYOND, there may be some reduction in weed control, particularly grass weeds.

Sulfonylurea herbicides such as Ally®, Amber®, Everest™, Finnesse®, Express®, Harmony® Extra and Maverick™ should not be tankmixed with Beyond herbicide. Beyond herbicide tankmixes with sulfonylurea herbicides may result in unacceptable crop response.

When BEYOND herbicide is used in combination with another herbicide, refer to the respective label for rates, methods and proper timing of application, weeds controlled, restrictions and precautions. Always use in accordance with the more restrictive label use directions and precautions.

ROTATIONAL CROP GUIDELINES

Rotational crops may be planted after applying the recommended rate of BEYOND herbicide in the regions as indicated below. Planting earlier than the recommended interval may result in crop injury.



Region 1 consists of states and parts of states WEST of U.S. Highway 83. (Arizona, California, Idaho, Oregon, Washington, Utah, Nevada, New Mexico, Wyoming, Montana, Colorado, and western parts of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma and Texas.

Region 2 consists of states and parts of states to the EAST of U.S. Highway 83. (Includes the Eastern parts of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, and the states to the east of these states.

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Rotational Interval (months) Following an Application of BEYOND Herbicide

Plant-back Interval (Months)	Region 1	Region 2
Anytime	CLEARFIELD canola CLEARFIELD wheat Edible legumes soybeans	CLEARFIELD canola CLEARFIELD wheat Edible legumes soybeans
Three months	Alfalfa Wheat (non –CLEARFIELD)	Alfalfa Wheat (non –CLEARFIELD)
Four months	Rye	Barley Rye
Eight and one-half months	Corn (field, pop, seed, sweet, CLEARFIELD and non-CLEARFIELD)	Corn (field, pop, seed, sweet, CLEARFIELD and non-CLEARFIELD)
Nine months	Barley* Peanut Cantaloupe Pumpkin Cotton Rice Grain Sorghum Squash Lettuce Sunflower Millets Tobacco Oat Watermelon Onion	Broccoli Peanut Cabbage Pepper Cantaloupe Potato Carrot Pumpkin Cotton Rice Cucumber Squash Grain Sorghum Sunflower Lettuce Tobacco Millets Tomato Oat Turnip Onion Watermelon
Eighteen months	Barley* Pepper Broccoli Potato Cabbage Tomato Carrot Turnip Cucumber **All other crops not listed in the ROTATIONAL CROP guideline**	Canola Condiment Mustard Sugarbeet** Table beet** **All other crops not listed in the ROTATIONAL CROPS guideline**
Twenty-six months	Sugarbeet* Canola Condiment Mustard Table beet	Sugarbeet** Table beet**

*In **Region 1**, refer to the following table for guideline for planting barley following applications of BEYOND herbicide.

Barley Rotational Interval Based on pH, Moisture and Tillage (Region 1)

		Moldboard plowing?	
		NO	YES
pH and Rainfall Requirements	**>18" R+I AND pH >6.2**	9 months	9 months
	<18" R+I OR pH <6.2	18 months	9 months

R+I = Rainfall and overhead irrigation from the time of BEYOND application to barley planting. **Does not include furrow or flood irrigation**.

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If the rainfall or pH requirements are not fully met, and barley is planted prior to 18 months, injury may be reduced by tillage, such as deep disking (greater than 6 inches deep) after crop harvest but prior to November 1.

In **Region 2, sugarbeet and table beets can be planted eighteen months following an application of BEYOND if the soil pH is uniformly 6.2 or greater. If the soil pH is less than 6.2, the rotational interval is 26 months. Sugarbeet yields can be reduced when grown in soil conditions with a pH less than 6.2. If the soil is limed to adjust the soil pH, apply the lime at least 18 months prior to planting sugarbeets or other rotational crops under the 18 month rotational interval.

When taking soil samples to determine soil pH, utilize a grid sampling technique, sampling to a depth of 3-4 inches.

Furrow and Flood Irrigated Crops

Following harvest of furrow or flood irrigated crops, the soil should be thoroughly mixed by plowing or deep disking in order to minimize the potential for herbicide carryover to the following crop.

Use of BEYOND 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, such as arid conditions, make it impossible to eliminate all risks associated with the use of this product and, therefore, rotational crop injury is always possible.

GENERAL PRECAUTIONS

In the event of a crop loss due to weather, consult the Rotational Interval Table to determine crops that may be safely planted following a BEYOND application in CLEARFIELD wheat. Do not make an additional application of BEYOND or RAPTOR herbicide.

If arid conditions occur during the year of application rotational crop injury may occur.

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

NVA 2001-04-191-0111
Revised: June 2002

BASF

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BEYOND™ herbicide- Supplemental Labeling

FOR USE ON CLEARFIELD* CANOLA AND CLEARFIELD* WHEAT

Apply Only on Imidazolinone Tolerant Canola and Wheat Varieties

ACTIVE INGREDIENT:	
Ammonium salt of imazamox 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid*	12.1%
INERT INGREDIENTS	87.9%
TOTAL	100.0%

*Equivalent to 11.4% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid

(1 gallon contains 1.0 pound of active ingredient as the free acid)

U.S. Patent No. 5,334,576
EPA Reg. No. 241-379 EPA Est. No. 241-PR-002

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).

FIRST AID

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.

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

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

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

See Next Page for Additional Precautionary Statements

ACCEPTED with COMMENTS In EPA Letter Dated

JAN 29 2008

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 241-379

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

Net Contents: 1 Gallon (3.785 liter)

™ Trademarks of BASF

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TABLE OF CONTENTS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION!

Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment (PPE):
Some materials that are chemical-resistant to this product are listed below. If you want more options, follow 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 ≥14 mils, or natural rubber ≥14 mils, or neoprene rubber ≥14 mils, or nitrile rubber ≥14 mils.
- shoes 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 pesticide may be hazardous to plants outside the treated area. DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Offsite movement from spray drift, volatilization, and runoff may be hazardous to neighboring crops and vegetative habitat utilized for food and cover by wildlife and aquatic organisms. DO NOT contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of pesticide application.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 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, 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

Ensure spray drift to non-target species does not occur.

DO NOT apply BEYOND in any manner not specifically described in this label.

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

When applied by either ground or air, BEYOND spray drift or other indirect contact may injure sensitive crops, including, but not limited to, non-CLEARFIELD wheat or canola, sugarbeets, and leafy vegetables.

Spray equipment used for BEYOND application must be drained and thoroughly cleaned with water before being used to apply other products.

Observe all cautions and limitations on this label and on the labels of products used in combination with BEYOND herbicide. Do not use BEYOND other than in accordance with the instructions set forth on this label. The use of BEYOND not consistent with this label may result in injury to crops. Keep containers closed to avoid spills and contamination.

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.

In Case of Emergency:

In case of large-scale spillage regarding this product call:

CHEMTREC	800-424-9300
BASF Corporation	800-832-HELP

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- BASF Corporation (800-832-HELP)

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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 BASF Corporation. 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 BEYOND 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

The mode of weed killing activity involves uptake of BEYOND herbicide by foliage and/or weed roots and rapid translocation to the growing points. After BEYOND application, susceptible weeds may show yellowing and weed growth will stop. Susceptible weeds stop growing and either die or are not competitive with the crop. Adequate soil moisture is important for optimum BEYOND activity. When adequate soil moisture is present, BEYOND will provide residual activity of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil

When organophosphate (such as Lorsban™) or carbamate insecticides are tank-mixed with BEYOND herbicide, temporary injury may result to the treated crop.

Use of BEYOND herbicide 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.

Occasionally, internode shortening and/or temporary yellowing of crop plants may occur following BEYOND applications. These effects can be more pronounced if crops are growing under stressful environmental conditions. These effects occur infrequently and are temporary. Normal growth and appearance should resume within 1-2 weeks.

Replanting: If replanting is necessary in a field previously treated with BEYOND, the field may be replanted to CLEARFIELD Canola, CLEARFIELD Wheat, edible legumes, or soybeans. Rework the soil no deeper than 2 inches. DO NOT apply a second treatment of BEYOND.

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. Other herbicides with the ALS/AHAS enzyme inhibiting mode of action include the sulfonylureas (e.g., Ally®, Amber®, Everest™, Express®, Finesse®, Glean®, Harmony® Extra, Peak®, Maverick™, Rave™, etc.). If naturally occurring ALS/AHAS resistant biotypes are present in a field, BEYOND and/or any other ALS/AHAS enzyme inhibiting mode of action herbicide should be tank-mixed or applied sequentially with an appropriate registered herbicide having a different mode of action to ensure control.

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

BEYOND is very active against many broadleaf and grass weed species. For long term weed management, use two herbicides with different modes of action to reduce the potential for weed resistance. Crop (and herbicide) rotation is also effective in managing weed resistance where herbicides of different modes of action are used. Tillage, where practical (such as in fallow production, or prior to planting) is also effective in controlling weeds to minimize resistance development. Additionally, a burndown herbicide during fallow or prior to planting is also effective in reducing weed resistance development.

MIXING INSTRUCTIONS

POSTEMERGENCE APPLICATIONS OF BEYOND REQUIRE THE ADDITION OF AN ADJUVANT **AND** A NITROGEN 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 (0.25%) of spray solution.

AND

II. NITROGEN FERTILIZER

Recommended nitrogen based fertilizers include liquid fertilizers (such as liquid ammonium sulfate, 28%N, 32%N or 10-34-0) at the rate of 1 - 2.5 gallons per 100 gallons of spray solution. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 5-15 pounds per 100 gallons of spray solution.

Note: Nitrogen fertilizer is not required when applied in use areas south of Interstate Highway 40, except in the states of Texas, New Mexico, Oklahoma, Arizona, and California.

CROP OIL CONCENTRATE OR METHYLATED SEED OIL: A petroleum or vegetable seed based crop oil concentrate or methylated seed oil may be substituded for nonionic surfactant with BEYOND in **CLEARFIELD Canola only**. Use of crop oil concentrate or methylated seed oil is recommended when weeds are under moisture or temperature stress. Use crop oil concentrate or methylated seed oils at a rate of 1-2 gallons per 100 gallons of spray solution.

DO NOT USE CROP OIL CONCENTRATE OR METHYLATED SEED OIL WITH BEYOND IN CLEARFIELD WHEAT

Fill the spray tank one-half to three-quarters full with clean water. Use a calibrated measuring device to measure the required amount of BEYOND herbicide. Add BEYOND to the spray tank while agitating. Add adjuvants and fertilizer and fill the remainder of the tank with water.

LIQUID FERTILIZER AS A CARRIER

DO NOT apply BEYOND in liquid fertilizer concentrate except BEYOND may be applied to CLEARFIELD winter wheat in a water/liquid fertilizer solution with at least 50% water. Add a non-ionic surfactant at the rate of 1 quart per 100 gallons of spray solution(0.25%). Some crop leaf burn from the fertilizer in the solution may occur from the fertilizer application.

TANK MIX COMBINATIONS WITH OTHER HERBICIDES

If other herbicides or other spray tank components are tank-mixed with BEYOND, while agitating, add components in the following order and thoroughly mix after adding each component:

1) Fill spray tank 1/2 to 3/4 full with clean water.
2) Add soluble packet products and thoroughly mix.
3) Add WP (wettable powder), DG (dispersible granule), DF (dry flowable) or liquid flowable formulations not in soluble packets.
4) Add BEYOND and thoroughly mix.
5) Add other aqueous solution products.

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6) Add EC (emulsifiable concentrate) products.
7) Add surfactant to the spray tank.
8) Add nitrogen fertilizer solution.
9) While agitating, fill the remainder of the tank with water.

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

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

SPRAYING INSTRUCTIONS

DO NOT apply when wind conditions may result in drift, when temperature inversion conditions exist, or when spray may be carried to sensitive crops. Sensitive crops include but are not limited to leafy vegetables and sugarbeet.

GROUND APPLICATION

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 BEYOND herbicide to minimum or no-till crops. 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 flat-fan nozzle tips or similar appropriate nozzle tips to ensure adequate coverage.

Avoid overlaps when spraying.

GROUND APPLICATION WITH A LOW VOLUME SPRAYER

BEYOND may be applied with a low volume (Spra-Coupe™-type) sprayer. When applying BEYOND with a low volume sprayer, spray the weeds before they reach the maximum size listed in this label. Adequate control of weeds is dependent upon good spray coverage of the weeds. The sprayer must be calibrated to deliver the recommended spray volume and pressure to ensure adequate spray coverage of the weeds.

When applying BEYOND with a low volume sprayer, apply a minimum of 10 gallons per acre of spray solution with a nozzle pressure between 40-60 psi for optimum coverage.

AERIAL APPLICATION

BEYOND herbicide may be applied by air to all crops listed on this label.

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. The addition of an adjuvant AND fertilizer solution are required for optimum weed control.
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 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 10 mph (greater than 5 mph in California).
- Coarse sprays (larger droplets) are less likely to drift.

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

APPLICATION INFORMATION

Apply BEYOND herbicide as a postemergence treatment when weeds are actively growing and before they exceed the maximum recommended size (see weed control tables following each crop). Delay application until the majority of the weeds are at the recommended growth stage. Application timing should be based on weed size and not crop growth stage. Apply BEYOND to crops and weeds that are actively growing. Under conditions of cold temperatures (less than 50°F, maximum daytime temperatures), weed control may be less than optimal.

When BEYOND is applied postemergence, absorption will occur through both the roots and foliage. Susceptible weeds stop growing and either die or are not competitive with the crop. BEYOND not only controls many existing broadleaf and grass weeds when applied postemergence, it also provides activity on susceptible weeds that may emerge shortly after application.

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

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CLEARFIELD CANOLA - DIRECTIONS FOR USE

BEYOND herbicide is effective in controlling weeds in conservation tillage and conventional production systems. BEYOND can be applied early postemergence in **CLEARFIELD CANOLA** but before the bloom stage. Refer to the specific treatment under the "SPRAYING INSTRUCTIONS" section of the label.

USE RATE

Apply BEYOND postemergence only at a rate of 4 oz. per acre. At this rate one gallon of BEYOND will treat 32 acres of CLEARFIELD Canola. It is recommended that a registered soil applied grass herbicide be used prior to use of BEYOND.

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

Crop-Specific Restrictions and Limitations

DO NOT apply more than 4 ounces of BEYOND during the growing season.

WEEDS CONTROLLED

BROADLEAF WEEDS CONTROLLED BY BEYOND

	Maximum Weed Size (inches)
Beet, wild	3
Canola, volunteer (non-CLEARFIELD)	3
Chickweed, common	3
Cocklebur, common	3
Jimsonweed	3
Flixweed	3
Lambsquarters, common	3*
Mustard,	
tumble	3
wild	3
black	3
Nightshade,	
black	3
Eastern black	3
Hairy	3
Pennycress, field	3
Pigweed,	
Redroot	3
Smooth	3
Spiny	3
Radish, wild	3
Shepherdspurse	3
Smartweed,	
Ladysthumb	3
Pennsylvania	3
Tansymustard, green	3
Velvetleaf	3

*BEYOND controls common lambsquarters at 4 oz./A East of the Rocky Mountains

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BROADLEAF WEEDS SUPPRESSED BY BEYOND

	Maximum Weed Size (inches)
Buckwheat, wild	3
Flax	2
Knotweed, prostrate	3
Lettuce, miners	3
Morningglory	
Entireleaf	3
Ivyleaf	3
Smallflower	3
Tall	3
Rocket, London	3
Rocket, Yellow	3
Spurge, prostrate	3
Thistle, Russian (non-ALS resistant)	3

GRASS WEEDS CONTROLLED BY BEYOND

	Weed Size
	Number of Leaves (maximum tillers)
Blackgrass	1-4 (1)
Brome,	
downy	1-5 (2)
cheat	1-5 (2)
Japanese	1-5 (2)
Canarygrass, littleseed	1-5 (2)
Cereals, volunteer	
Barley	1-5 (1)
Oat	1-5 (1)
Wheat (non-CLEARFIELD)	1-4 (1)
Darnel, Persian	1-5 (2)
Foxtail,	
Giant	1-6 (2)
Green	1-4 (1)
Yellow	1-4 (1)
Jointed goatgrass	1-6 (2)
Oats, wild	1-5 (2)
Ryegrass, Italian	1-4 (1)
Rye, feral or cereal	1-4 (1)
Shattercane	1-6 (2)

GRASS WEEDS SUPPRESSED BY BEYOND APPLICATIONS

Barnyardgrass	1-4 (1)
Corn, volunteer	1-4 (1)
Crabgrass, large	1-4 (1)

Specific Weed Problems
Canada Thistle: For enhanced activity of Canada thistle, add Stinger™ to the tank mixture. Apply to Canada thistle in the rosette stage.

CLEARFIELD WHEAT - DIRECTIONS FOR USE

BEYOND can be applied postemergence on CLEARFIELD WHEAT (imidazolinone tolerant wheat) varieties. Apply only on selected winter wheat varieties labeled as "CLEARFIELD" and warranted by the seed supplier to possess tolerance to direct application of certain imidazolinone herbicides. DO NOT apply BEYOND to wheat varieties which lack resistance/tolerance to imidazolinone herbicides. Contact your seed supplier, chemical dealer or BASF to obtain information regarding imidazolinone tolerant wheat varieties.

Apply BEYOND herbicide as an early postemergence treatment when weeds are actively growing and before broadleaf weeds exceed a height of 3 inches and grasses exceed 4-5 leaves (unless otherwise indicated). Under conditions of cold temperatures (less than 40°F, maximum daytime temperatures), weed control may be less than optimal. A thin stand of wheat may result in unacceptable weed control. BEYOND herbicide is effective in controlling weeds in conservation tillage and conventional tillage wheat production systems. BEYOND can be applied in the fall/winter or spring for winter or spring annual weed control, respectively. Delay application until the majority of the weeds are at the recommended growth stage. When a mixture of grasses and broadleaf weeds are present, time the application to the grass weeds for optimum control.

When adequate soil moisture is present, BEYOND will provide residual activity of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil.

Occasionally, reduction in plant height or temporary yellowing of crop plants may occur following BEYOND applications. These effects can be more pronounced if crops are growing under stressful environmental conditions. These effects are temporary. Normal growth and appearance should resume within 1 to 2 weeks. To avoid possible crop injury, do not apply BEYOND herbicide to CLEARFIELD wheat when extreme cold temperatures are expected within one week of application.

Weed control is optimized when BEYOND is applied to actively growing wheat. Plant a locally adapted CLEARFIELD variety at the normal seeding rate for your geography. Apply to wheat after tiller initiation has begun and prior to the jointing stage of growth (and when the weeds are at the appropriate size – see WEEDS CONTROLLED tables).

BEYOND Application Timing – Winter Wheat
Apply BEYOND herbicide at the following crop and weed stages of growth:

CLEARFIELD Wheat	after tiller initiation and prior to joint
Broadleaf weeds	refer to weed control tables for specific weed sizes
Grass weeds	

*

USE RATE

WINTER WHEAT:
APPLY **4-6** FLUID OUNCES OF BEYOND HERBICIDE PER ACRE (see WEEDS CONTROLLED section for detailed use rate recommendations).

A surfactant **and** nitrogen based fertilizer must be added to the spray solution for optimum weed control activity. See the ADJUVANTS section under MIXING INSTRUCTIONS for specific instructions.

Crop Specific Restrictions and Limitations

DO NOT apply more than 8 ounces of BEYOND during the growing season.

There should be an interval of at least 30 days between an application of BEYOND and feeding or grazing of wheat forage and hay. There should be at least 60 days from an application of BEYOND and wheat harvested for grain.

WEEDS CONTROLLED – WINTER WHEAT

BEYOND will control or suppress the weeds listed below when applied postemergence at the recommended rates listed below.

BROADLEAF WEEDS CONTROLLED BY BEYOND

	Application Rate	Weed Size
	Ounces/Acre	Maximum size (inches)
Wild beet	4-6	3
Canola, volunteer	4-6	5
Chickweed, common	4-6	3
Cocklebur, common	4-6	3
Filaree,		
Redstem	5-6	3
Whitestem	5-6	3
Flixweed	4-6	3
Henbit	5-6	3
Knotweed, prostrate	5-6	3
Lambsquarters, common	4-6*	1
Lettuce, miners	5-6	3
Jimsonweed	4-6	3
Mallow,		
Common	5-6	3
Venice	5-6	1
Morningglory,		
Entireleaf	5-6	3
Ivyleaf	5-6	3
Smallflower	5-6	3
Tall	5-6	3
Mustard,		
tumble	4-6	3
wild	4-6	4
black	4-6	4
blue	4-6	4
Nightshade,		
black	4-6	5
Eastern black	4-6	5
Hairy	4-6	5
Pennycress, field	4-6	3
Pigweed,		
Redroot	4-6	5
Smooth	4-6	4
Spiny	4-6	3
Purslane, common	4-6	3
Radish, wild	4-6	3

*BEYOND controls common lambsquarters at 4 oz./A East of the Rocky Mountains, apply 5-6 oz/A West of the RockyMountains.

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BROADLEAF WEEDS CONTROLLED BY BEYOND (Continued)

	Application Rate	Weed Size
	Ounces/Acre	Maximum size (inches)
Rocket, London	5-6	5
Rocket, yellow	5-6	5
Shepherdspurse	4-6	5
Smartweed,		
Ladysthumb	4-6	3
Pennsylvania	4-6	3
Swamp	5-6	3
Spurge, prostate	5-6	3
Tansymustard, green	4-6	4
Thistle, Russian (non-ALS resistant)	5-6	3
Velvetleaf	4-6	3

BROADLEAF WEEDS SUPPRESSED BY BEYOND APPLICATIONS

Bedstraw	5-6	3
Buckwheat, wild*	5-6	3
Dandelion	5-6	3
Fiddleneck	5-6	3
Primrose		
Cutleaf	5-6	3
Evening	5-6	3
Ragweed,	5-6	
Common	5-6	3
Giant	5-6	3
Thistle, Canada	5-6	3

*See Specific Weed Problems section for more information.

GRASS WEEDS CONTROLLED BY BEYOND – WINTER WHEAT

	Application Rate	Weed Size
	Ounces/Acre	Number of Leaves (maximum tillers)
Barnyardgrass	5-6	1-5 (1)
Brome,		
California	4-6	1-5 (2)
downy	4-6	1-5 (2)
cheat	4-6	1-5 (2)
Japanese	4-6	1-5 (2)
Canarygrass, littleseed	4-6	1-5 (2)
Cereals, volunteer		
Barley	4-6*	1-6 (1)
Oat	4-6*	1-6 (1)
Wheat (non-CLEARFIELD)	4-6*	1-4 (1)
Corn, volunteer (non-CLEARFIELD)	4-6	1-4
Crabgrass, large	5-6	1-4 (1)
Darnel, Persian	4-6	1-5 (2)
Foxtail,		
Giant	4-6	1-6 (2)
Green	4-6	1-4 (1)
Yellow	4-6	1-4 (1)
Johnsongrass, seedling	5-6	1-5 (1)
Jointed goatgrass	4-6	1-5 (2)
Oats, wild	4-6	1-5 (2)
Rescuegrass	4-6	1-4 (1)
Ryegrass, Italian*	4-6	1-4 (1)
Rye, feral or cereal*	4-6	1-4 (1)

GRASS WEEDS SUPPRESSED BY BEYOND APPLICATIONS

Brome,		
California	4-6	6+ (3+)
downy	4-6	6+ (3+)
cheat	4-6	6+ (3+)
Japanese	4-6	6+ (3+)
Fescue, rattail	4-6	1-3
Johnsongrass, rhizome	6	1-5
Jointed goatgrass	4-6	6+(3+)
Sedges		
Purple	6	1-3
Yellow	6	1-3
Quackgrass	6	1-5

*See Specific Weed Problems section.

Specific Weed Problems

BEYOND is most effective for grass control when applied in the fall. If summer annual broadleaf weeds germinate in the spring, (following a fall application of BEYOND) a broadleaf herbicide may need to be applied. If the BEYOND application is made in the spring, the broadleaf herbicide may be tank mixed with BEYOND. For improved control of grasses such as feral rye, Italian regrass, and downy brome, use higher rates of nitrogen fertilizer up to 50% of the spray solution. Higher rates of nitrogen can improve grass weed control with BEYOND, especially under drought stress conditions.

Feral Rye (cereal, volunteer rye): BEYOND controls emerged feral rye only. Apply to feral rye before the first tiller forms. Once feral rye develops tillers, control is significantly reduced. If feral rye germinates in the fall, an application of BEYOND in the fall will provide the best control. If feral rye germinates following an application of BEYOND in the fall, a spring application may be necessary for control of subsequent germination flushes.

Italian Ryegrass: BEYOND controls emerged Italian Ryegrass only. Under favorable growing conditions, ryegrass may germinate over several weeks (especially in the Southern US). BEYOND does not provide residual control of Italian ryegrass. Due to the potential for multiple germination flushes, Italian ryegrass control in Oklahoma, Texas and New Mexico may not be satisfactory. Optimum application timing is to ryegrass with 3-4 leaves and before the first tiller. Weed control is reduced when tillers develop. In the Pacific Northwest spring applications of 6 oz/Acre of BEYOND are recommended to achieve the most consistent control. If Italian ryegrass germinates following a fall application, a spring application may be necessary. Apply the higher recommended rate when Italian ryegrass is at the maximum recommended size, or to heavy grass populations.

Kochia: Naturally occurring ALS/AHAS resistant biotypes of kochia are common in wheat fields. In many cases, a tank mixture with BEYOND will be required for acceptable control. If BEYOND is applied in the spring, apply BEYOND in a tank mixture with a herbicide(s) recommended to control kochia (i.e. CLARITY + 2,4-D). Apply to kochia 2 inches in size or less.

Wild Buckwheat: For enhanced control of wild buckwheat, add Starane or CLARITY to the tank mixture. Apply to wild buckwheat with no more than 2 true leaves.

TANK MIX HERBICIDE COMBINATIONS WITH BEYOND HERBICIDE

Recommended Tank Mixes For Postemergence Applications of BEYOND on Imidazolinone Tolerant Wheat Varieties are:

Banvel®	Clarity®	Bronate® Curtail®
	Starane™	
(bromoxynil + MCPA)	MCPA	Stinger™
Buctril®	2,4-D	Weedmaster®

Limit bromoxynil applications (Bronate or Buctril) to 0.5 lb/acre of active ingredient when tankmixed with BEYOND.

When broadleaf herbicides are tankmixed with BEYOND, there may be some reduction in weed control, particularly grass weeds.

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Sulfonylurea herbicides such as Ally®, Amber®, Everest™, Finnesse®, Express®, Harmony® Extra and Maverick™ should not be tankmixed with Beyond herbicide. Beyond herbicide tankmixes with sulfonylurea herbicides may result in unacceptable crop response.

When BEYOND herbicide is used in combination with another herbicide, refer to the respective label for rates, methods and proper timing of application, weeds controlled, restrictions and precautions. Always use in accordance with the more restrictive label use directions and precautions.

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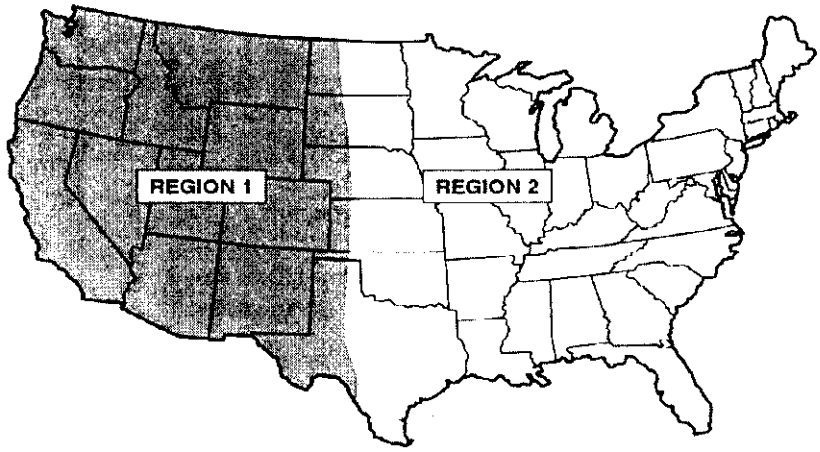
ROTATIONAL CROP GUIDELINES

Rotational crops may be planted after applying the recommended rate of BEYOND herbicide in the regions as indicated below. Planting earlier than the recommended interval may result in crop injury.



Region 1 consists of states and parts of states WEST of U.S. Highway 83. (Arizona, California, Idaho, Oregon, Washington, Utah, Nevada, New Mexico, Wyoming, Montana, Colorado, and western parts of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma and Texas.

Region 2 consists of states and parts of states to the EAST of U.S. Highway 83. (Includes the Eastern parts of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, and the states to the east of these states.

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Rotational Interval (months) Following an Application of BEYOND Herbicide

Plant-back Interval (Months)	Region 1	Region 2
Anytime	CLEARFIELD canola CLEARFIELD wheat Edible legumes soybeans	CLEARFIELD canola CLEARFIELD wheat Edible legumes soybeans
Three months	Alfalfa Wheat (non –CLEARFIELD)	Alfalfa Wheat (non –CLEARFIELD)
Four months	Rye	Barley Rye
Eight and one-half months	Corn (field, pop, seed, sweet, CLEARFIELD and non-CLEARFIELD)	Corn (field, pop, seed, sweet, CLEARFIELD and non-CLEARFIELD)
Nine months	Barley* Peanut Cantaloupe Pumpkin Cotton Rice Grain Sorghum Squash Lettuce Sunflower Millets Tobacco Oat Watermelon Onion	Broccoli Peanut Cabbage Pepper Cantaloupe Potato Carrot Pumpkin Cotton Rice Cucumber Squash Grain Sorghum Sunflower Lettuce Tobacco Millets Tomato Oat Turnip Onion Watermelon
Eighteen months	Barley* Pepper Broccoli Potato Cabbage Tomato Carrot Turnip Cucumber **All other crops not listed in the ROTATIONAL CROP guideline**	Canola Condiment Mustard Sugarbeet** Table beet** **All other crops not listed in the ROTATIONAL CROPS guideline**
Twenty-six months	Sugarbeet* Canola Condiment Mustard Table beet	Sugarbeet** Table beet**

*In **Region 1**, refer to the following table for guideline for planting barley following applications of BEYOND herbicide.

Barley Rotational Interval Based on pH, Moisture and Tillage (Region 1)

		Moldboard plowing?	
		NO	YES
pH and Rainfall Requirements	**>18" R+I AND pH >6.2**	9 months	9 months
	<18" R+I OR pH <6.2	18 months	9 months

R+I = Rainfall and overhead irrigation from the time of BEYOND application to barley planting. **Does not include furrow or flood irrigation.**

If the rainfall or pH requirements are not fully met, and barley is planted prior to 18 months, injury may be reduced by tillage, such as deep disking (greater than 6 inches deep) after crop harvest but prior to November 1.

In **Region 2, sugarbeet and table beets can be planted eighteen months following an application of BEYOND if the soil pH is uniformly 6.2 or greater. If the soil pH is less than 6.2, the rotational interval is 26 months. Sugarbeet yields can be reduced when grown in soil conditions with a pH less than 6.2. If the soil is limed to adjust the soil pH, apply the lime at least 18 months prior to planting sugarbeets or other rotational crops under the 18 month rotational interval.

When taking soil samples to determine soil pH, utilize a grid sampling technique, sampling to a depth of 3-4 inches.

Furrow and Flood Irrigated Crops

Following harvest of furrow or flood irrigated crops, the soil should be thoroughly mixed by plowing or deep disking in order to minimize the potential for herbicide carryover to the following crop.

Use of BEYOND 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, such as arid conditions, make it impossible to eliminate all risks associated with the use of this product and, therefore, rotational crop injury is always possible.

GENERAL PRECAUTIONS

In the event of a crop loss due to weather, consult the Rotational Interval Table to determine crops that may be safely planted following a BEYOND application in CLEARFIELD wheat. Do not make an additional application of BEYOND or RAPTOR herbicide.

If arid conditions occur during the year of application rotational crop injury may occur.

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

NVA 2001-04-191-0111
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BASF

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RAPTOR® herbicide

FOR USE ON ALFALFA, EDIBLE LEGUMES AND SOYBEANS

Not for use in Imidazolinone Tolerant (CLEARFIELD) Canola or Wheat

Active Ingredient:	
Ammonium salt of imazamox 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid**	12.1%
Inert Ingredients:	87.9%
Total	100.0%

**Equivalent to 11.4% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid

(1 gallon contains 1.0 pound of active ingredient as the free acid)

U.S. Patent No. 5,334,576
EPA Registration Number: 241-379 EPA Establishment Number: 241-PR-002

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 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.

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

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

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

See Next Page for Additional Precautionary Statements

See inside booklet for complete **Precautionary Statements, Statement of Practical Treatment, Directions For Use**, and **Conditions of Sale and Warranty**.

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

Net contents: 1 Gallon (3.785 liters)

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes 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

Follow the 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.

In Case of Emergency
In case of large-scale spillage regarding this product, call:

CHEMTREC	800-424-9300
BASF Corporation	800-832-HELP

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- BASF Corporation (800-832-HELP)

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 pesticide may be hazardous to plants outside the treated area. DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Offsite movement from spray drift, volatilization, and runoff may be hazardous to neighboring crops and vegetative habitat utilized for food and cover by wildlife and aquatic organisms. DO NOT contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of pesticide application.

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.

Ensure spray drift to non-target species does not occur.

DO NOT apply **RAPTOR®** in any manner not specifically described in this label.

DO NOT apply this product through any type of irrigation system. When applied by either ground or air, **RAPTOR** spray drift or other indirect contact may injure sensitive crops, including non-imidazolinone tolerant wheat or canola, sugarbeets, and leafy vegetables.

Spray equipment used for **RAPTOR** application must be drained and thoroughly cleaned with water before being used to apply other products.

Observe all caution limitations on this label and on labels of products used in combination with **RAPTOR** herbicide.

DO NOT use **RAPTOR®** other than in accordance with the instructions set forth on this label. The use of RAPTOR not consistent with this label may result in injury to crops. Keep containers closed to avoid spills and contamination.

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 4 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
- 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

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 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, 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 BASF Corporation. All such risks shall be assumed by the user.

THIS PRODUCT WHEN USED ON EDIBLE LEGUMES MAY LEAD TO CROP INJURY, LOSS, OR DAMAGE. BASF RECOMMENDS THAT THE USER AND/OR GROWER TEST THIS PRODUCT IN ORDER TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE. BASF MAKES THIS PRODUCT AVAILABLE TO THE USER AND/OR GROWER SOLELY TO THE EXTENT THAT THE BENEFIT AND UTILITY, IN THE SOLE OPINION OF THE USER AND/OR GROWER, OUTWEIGH THE EXTENT OF POTENTIAL INJURY ASSOCIATED WITH THE USE OF THIS PRODUCT. THE DECISION TO USE OR NOT TO USE THIS HERBICIDE MUST BE MADE BY EACH INDIVIDUAL RAPTOR USER AND/OR GROWER ON THE BASIS OF POSSIBLE CROP INJURY FROM RAPTOR, THE SEVERITY OF WEED INFESTATION, THE COST OF ALTERNATIVE WEED CONTROLS, AND OTHER FACTORS. BASF INTENDS THAT BECAUSE OF THE RISK OF FAILURE TO PERFORM OR CROP DAMAGE THAT ALL SUCH USE IS AT THE USER'S AND/OR GROWER'S RISK. BASF DISCLAIMS ANY LIABILITY FOR CLAIMS, CAUSES OF ACTION, FINES, PENALTIES, DAMAGES, INCLUDING CONSEQUENTIAL INCIDENTS AND DAMAGES, LOSSES, LIABILITIES, JUDGEMENTS, AND EXPENSES ARISING OUT OF OR RELATING TO INJURY TO PERSONS, CROPS, OR PROPERTY RESULTING FROM THE USE OF RAPTOR HERBICIDE ON EDIBLE LEGUMES CONTRARY TO THE LABEL INSTRUCTIONS.

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 RAPTOR 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.

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GENERAL INFORMATION

The mode of weed killing activity involves uptake of RAPTOR herbicide by foliage and/or weed roots and rapid translocation to the growing points. After RAPTOR application, susceptible weeds may show yellowing and weed growth will stop. Susceptible weeds stop growing and either die or are not competitive with the crop. Adequate soil moisture is important for optimum RAPTOR activity. When adequate soil moisture is present, RAPTOR will provide residual activity of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil. A timely cultivation after a RAPTOR application may improve general weed control.

When organophosphate (such as Lorsban™) or carbamate insecticides are tank-mixed with RAPTOR herbicide, temporary injury may result to the treated crop.

Use of RAPTOR herbicide 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.

Occasionally, internode shortening and/or temporary yellowing of crop plants may occur following RAPTOR applications. These effects can be more pronounced if crops are growing under stressful environmental or hot and humid conditions. These effects occur infrequently and are temporary. Normal growth and appearance should resume within 1-2 weeks.

Replanting: If replanting is necessary in a field previously treated with RAPTOR, the field may be replanted to CLEARFIELD Canola, CLEARFIELD Wheat, edible legumes, or soybeans. Rework the soil no deeper than 2 inches. DO NOT apply a second treatment of RAPTOR.

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. Other herbicides with the ALS/AHAS enzyme inhibiting mode of action include the sulfonylureas (e.g., Amber®, Express®, Everest™, Finnesse®, Glean®, Peak®, Rave®, Accent®, Ally®, Basis®, Classic®, Exceed®, Harmony® Extra, Maverick™, Permit®, Pinnacle®, etc.), imidazolinones (e.g., Pursuit®, Scepter®, Cadre® and Lightning®), the sulfonamides (e.g., Hornet, etc.) and the pyrimidyl benzoates (e.g. Staple, etc.). If naturally occurring ALS/AHAS resistant biotypes are present in a field, RAPTOR and/or any other ALS/AHAS enzyme inhibiting mode of action herbicide should be tank-mixed or applied sequentially with an appropriate registered herbicide having a different mode of action to ensure control.

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

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MIXING INSTRUCTIONS

POSTEMERGENCE APPLICATIONS OF RAPTOR REQUIRE THE ADDITION OF AN ADJUVANT **AND** A NITROGEN FERTILIZER SOLUTION.

I. ADJUVANTS

CROP OIL CONCENTRATE: A petroleum or vegetable seed based crop oil concentrate may be used. A methylated seed oil is recommended when weeds are under moisture or temperature stress. Use methylated seed oils, or crop oil concentrate at a rate of 1-2 gallons per 100 gallons of spray solution.

OR

SURFACTANTS: Use a nonionic surfactant containing at least 80% active ingredient. Apply the surfactant at the rate of 1-2 quarts per 100 gallons of spray solution. An organo-silicone surfactant may be used in place of a non-ionic surfactant.

AND

II. NITROGEN FERTILIZER

Recommended nitrogen based fertilizers include liquid fertilizers (such as 28%N, 32%N or 10-34-0) at the rate of 2.5 gallons per 100 gallons of spray solution. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 12-15 pounds per 100 gallons of spray solution.

Fill the spray tank one-half to three-quarters full with clean water. Use a calibrated measuring device to measure the required amount of **RAPTOR®** herbicide. Add RAPTOR to the spray tank while agitating. Add adjuvants and fill the remainder of the tank with water.

NOTE: Nitrogen fertilizer is not required when applied in use areas south of Interstate Highway 40, except in the states of Texas, New Mexico, Oklahoma, Arizona, and California.

NOTE: Do not apply RAPTOR in liquid fertilizer as the carrier.

NOTE: Additional MIXING INSTRUCTIONS for EDIBLE LEGUMES.

RAPTOR applications may be made to dry edible legumes either with, or without the addition of a fertilizer. The addition of nitrogen-based fertilizer such as ammonium sulfate or liquid fertilizers (such as 28-0-0) may improve weed control, but also increases the likelihood of dry bean response. When nitrogen is added to the mixture, add Basagran, as a tank mixture partner at a rate of 6 to 16 oz./A to minimize crop response. For applications to dry peas, always add Basagran to the spray mixture. For enhanced grass activity, add a crop oil (or methylated seed oil) instead of surfactant. Always add Basagran at the rates indicated above when crop oils and/or fertilizer are used in the spray mixture. Basagran applications at rates higher than 16 oz./A may reduce grass control.

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TANK MIX COMBINATIONS WITH OTHER HERBICIDES

If other herbicides or other spray tank components are tank-mixed with RAPTOR, while agitating, add components in the following order and thoroughly mix after adding each component:

1) Fill spray tank 1/2 to 3/4 full with clean water.
2) Add soluble packet products and thoroughly mix.
3) Add WP (wettable powder), DG (dispersible granule), DF (dry flowable) or liquid flowable formulations not in soluble packets.
4) Add RAPTOR and thoroughly mix.
5) Add other aqueous solution products.
6) Add EC (emulsifiable concentrate) products.
7) Add surfactant or crop oil to the spray tank.
8) Add nitrogen fertilizer solution.
9) While agitating, fill the remainder of the tank with water.

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

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

SPRAYING INSTRUCTIONS

DO NOT apply when wind conditions may result in drift, when temperature inversion conditions exist, or when spray may be carried to sensitive crops. Sensitive crops include but are not limited to leafy vegetables and sugarbeet.

GROUND APPLICATION

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 RAPTOR herbicide to minimum or no-till crops. 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 flat-fan nozzle tips or similar appropriate nozzle tips to ensure adequate coverage.

Avoid overlaps when spraying.

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GROUND APPLICATION WITH A LOW VOLUME SPRAYER

RAPTOR® may be applied with a low volume (Spra-Coupe™-type) sprayer. When applying RAPTOR with a low volume sprayer, spray the weeds before they reach the maximum size listed in this label. Adequate control of weeds is dependent upon good spray coverage of the weeds. The sprayer must be calibrated to deliver the recommended spray volume and pressure to ensure adequate spray coverage of the weeds.

When applying RAPTOR with a low volume sprayer, apply a minimum of 10 gallons per acre of spray solution with a nozzle pressure between 40-60 psi for optimum coverage.

AERIAL APPLICATION

RAPTOR herbicide may be applied by air to all crops listed on this label.

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. The addition of an adjuvant AND fertilizer solution are required for optimum weed control. 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 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 10 mph (greater than 5 mph in California).
- Coarse sprays (larger droplets) are less likely to drift.

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APPLICATION INFORMATION

Apply RAPTOR herbicide as a postemergence treatment when weeds are actively growing and before they exceed the maximum recommended size (see weed control tables following each crop). Delay application until the majority of the weeds are at the recommended growth stage. Application timing should be based on weed size and not crop growth stage. In general, RAPTOR should be applied when weeds are small and actively growing, however, delay application in seedling alfalfa and dry beans until minimum growth stages have occurred (refer to seedling alfalfa and dry bean sections).

An adjuvant (either a surfactant or a crop oil concentrate) and a nitrogen fertilizer must be added to the spray solution for optimum weed control activity. See the ADJUVANT section under MIXING INSTRUCTIONS for specific instructions.

When RAPTOR is applied postemergence, absorption will occur through both the roots and foliage. Susceptible weeds stop growing and either die or are not competitive with the crop. RAPTOR not only controls many existing broadleaf and grass weeds when applied postemergence, it also provides activity on susceptible weeds that may emerge shortly after application. Weeds are most easily controlled when actively growing. Under conditions of cold temperatures (less than 40°F, maximum daytime temperatures), weed control may be less than optimal.

For maximum weed control, cultivate (where possible) 7 - 10 days following a postemergence RAPTOR application. This timely cultivation will enhance residual weed activity, especially under dry conditions.

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

ALFALFA-DIRECTIONS FOR USE

Apply RAPTOR herbicide as an early postemergence treatment when weeds are actively growing and before they exceed a height of 3 inches, unless otherwise indicated. Delay application until the majority of the weeds are at the recommended growth stage. Apply RAPTOR to crop and weeds that are actively growing.

USE RATE

Apply RAPTOR postemergence only at a broadcast rate of 4 to 6 ounces per acre to seedling or established alfalfa grown for forage, hay or seed. At the recommended application rate, 1 gallon of RAPTOR will treat 21-32 acres.

SEEDLING ALFALFA

Apply RAPTOR when the seedling alfalfa is in the second (2nd) trifoliate stage or larger and when the majority of the weeds are 1-3 inches. When applied to alfalfa grown for seed, apply RAPTOR before bud formation. For prostrate growing weeds (such as mustards) apply RAPTOR before the rosette exceeds 3 inches. When RAPTOR is applied to seedling alfalfa, there may be a temporary reduction in growth. Alfalfa soon outgrows any effects of the herbicide.

ESTABLISHED ALFALFA

RAPTOR can be applied to established alfalfa in the fall, winter, or in the spring to dormant, or semi-dormant alfalfa, or between cuttings. Any application should be made before significant alfalfa growth or re-growth (3 inches) to allow RAPTOR to reach the target weeds.

Crop-Specific Restrictions and Limitation

There should be an interval of at least 20 days between application of RAPTOR and cutting or feeding of alfalfa forage or hay. There should be an interval of 70 days between an application of RAPTOR and harvest of alfalfa seed used for food or feed.

CROP-SPECIFIC RESTRICTIONS AND LIMITATION

There should be an interval of at least 20 days between application of **RAPTOR** and cutting or feeding of alfalfa forage or hay. There should be an interval of 70 days between an application of **RAPTOR** and harvest of alfalfa seed used for food or feed.

A maximum of 6 ounces of RAPTOR per season may be applied to alfalfa.

DO NOT make sequential applications of PURSUIT followed by RAPTOR (or RAPTOR followed by PURSUIT) within a 60 day timeframe due to increased potential alfalfa crop response.

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WEEDS CONTROLLED

RAPTOR will control or suppress the weeds listed below when applied postemergence at the recommended rates listed below.

BROADLEAF WEEDS CONTROLLED BY RAPTOR

	Application Rate		
	4 fluid oz./A	**5 fluid oz./A**	**6 fluid oz./A**
	Maximum Weed Size (inches)		
Bedstraw	3	3	3
Beet, wild	3	3	3
Buckwheat, wild		3	3
Buttercup		3	3
Canola, volunteer	3	3	3
Chickweed, common	3	3	3
Cocklebur, common	3	3	3
Flixweed	3	3	3
Filaree,			
Redstem			3
Whitestem			3
Henbit			2
Knotweed, postrate		3	3
Kochia*		3	3
Lambsquarters, common	3**	3	3
Lettuce, miners		3	3
Jimsonweed	3	3	3
Mallow,			
Common	3	3	3
Venice		1	1
Morningglory,			
Entireleaf		3	3
Ivyleaf		3	3
Smallflower		3	3
Tall		3	3
Mustard,			
tumble	3	3	3
wild	3	3	4
black	3	3	4
Nightshade,			
black	3	5	5
Eastern black	3	5	5
Hairy	3	4	5
Nettle, burning		2	2
Nettleleaf goosefoot	3	3	3
Pennycress, field	3	3	3

*RAPTOR controls non-ALS resistant kochia only.

**RAPTOR controls common lambsquarters at 4 oz./A East of the Rocky Mountains.

BROADLEAF WEEDS CONTROLLED BY RAPTOR (Continued)

	Application Rate		
	4 fluid oz./A	**5 fluid oz./A**	**6 fluid oz./A**
	Maximum Weed Size (inches)		
Pigweed,			
Redroot	3	4	5
Smooth	3	4	4
Spiny	3	3	3
Purslane, common			3
Radish, wild	3	3	3
Rocket, London		4	5
Rocket, yellow		4	4
Shepherdspurse	3	4	5
Smartweed,			
Ladysthumb	3	3	3
Pennsylvania	3	3	3
Swamp		3	3
Spurge, prostate		3	3
Sunflower, common		3	3
Swinecress		3	3
Tansymustard, green	3	3	4
Thistle, Russian		3	3
Velvetleaf	3	4	5
Willoweed panicle		3	3

BROADLEAF WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Dandelion			3
Dock, curly		3	3
Dodder*			3
Fiddleneck			3
Ragweed,			
Common		3	3
Giant		3	3
Thistle, Canada			3
Sowthistle		3	3

*For suppression of dodder, apply RAPTOR after the dodder has emerged until soon after dodder attaches to the alfalfa.

GRASS WEEDS CONTROLLED BY RAPTOR

	Application Rate		
	4 fluid oz./A	5 fluid oz./A	6 fluid oz./A
	Maximum Weed Size (inches)		
Barnyardgrass		3	3
Blackgrass	3	3	3
Brome,			
California	3	3	3
downy	3	3	3
cheat	3	3	3
Japanese	3	3	3
Canarygrass, littleseed	3	3	3
Cereals, volunteer			
Barley	3	3	3
Oat	3	3	3
Wheat (non-CLEARFIELD)	3	3	3
Corn, volunteer	4	5	8
Crabgrass, large		3	3
Darnel, Persian	3	3	3
Foxtail,			
Giant	3	4	5
Green	3	3	4
Yellow	3	3	4
Johnsongrass, seedling		3	3
Jointed goatgrass	3	3	3
Lovegrass	3	3	3
Millet, wild proso		3	3
Oats, wild	3	3	3
Ryegrass, Italian	3	3	3
Rye, feral or cereal		3	3
Shattercane	3	4	5

GRASS WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Bluegrass, annual	3
Johnsongrass, rhizome	3
Sedges	
Purple	3
Yellow	3
Quackgrass	3

TANK MIX COMBINATIONS WITH OTHER HERBICIDES

To control weeds not listed on the **RAPTOR®** label, herbicides such as Buctril® (seedling alfalfa only), 2,4-DB, Poast® or Poast® Plus or Prism®/Select® may be tank mixed with **RAPTOR**. When **RAPTOR** 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.

EDIBLE LEGUMES - DIRECTIONS FOR USE

DO NOT apply RAPTOR to edible legumes in California.

RAPTOR may be applied to the following edible legumes:

Dry Beans	Dry Peas
Adzuki, Anazazi, Black, Black Turtle, Cranberry, Great Northern, Lima (dry), Navy, Pink, Pinto, Red kidney, Small red, Small white	Dry edible peas (field peas) Southern peas (cow peas)

DO NOT apply RAPTOR to snap beans, succulent peas, chickpeas (garbanzo beans), fresh limas, or lentils.

Reduced crop growth, temporary yellowing, quality, yield and/or delayed maturity may result from a **RAPTOR**® application to edible legume crops listed on this label. Since crop maturity may be delayed, timing of harvest may need to be adjusted accordingly. DO NOT apply RAPTOR if planting is delayed and chance of frost prior to maturity is likely. Some varieties of edible legumes are more sensitive to RAPTOR than other varieties. Growers should check with the seed company regarding the safety of RAPTOR to their variety.

USE **RAPTOR** ONLY if proper agronomic practices have been utilized, including good soil fertility, proper crop rotation, disease and insect management and tillage practices that eliminate compaction and hardpans.

RAPTOR herbicide is effective in controlling weeds in conservation tillage and conventional production systems. Apply **RAPTOR** postemergence to dry beans with at least one fully expanded trifoliate leaf and to dry peas with at least 3 pairs of leaves and before the bloom stage. Delay application until the majority of the weeds are at the recommended growth stage. Application timing should be based on weed size and crop growth stage. Apply RAPTOR to crop and weeds that are actively growing.

USE RATE

APPLY 4 FLUID OUNCES OF RAPTOR HERBICIDE PER ACRE.

At this application rate, 1 gallon will treat 32 acres of edible legumes.

NOTE: Additional MIXING INSTRUCTIONS for EDIBLE LEGUMES.

RAPTOR applications may be made to edible legumes either with, or without the addition of a fertilizer. The addition of nitrogen-based fertilizer such as ammonium sulfate or liquid fertilizers (such as 28-0-0) may improve weed control, but also increases the likelihood of dry bean response. When nitrogen and/or crop oils are added to the mixture, add Basagran®, as a tank mixture partner at a rate of 6 to 16 oz./A to minimize crop response. For applications to dry peas, always add Basagran to the spray mixture, regardless of additives added. For enhanced grass activity, add a crop oil instead of surfactant. At 16 oz./A, Basagran will enhance control of common lambsquarters and kochia. Basagran applications at rates higher than 16 oz./A may reduce grass control.

Crop-Specific Restrictions and Limitations

There should be an interval of at least 60 days between an application of RAPTOR and harvest of dry edible peas and beans.

Only one application of RAPTOR may be made during the season.

A maximum of 4 ounces of RAPTOR per season may be applied to dry beans.

DO NOT feed treated edible legume forage, hay, or straw to livestock.

RAPTOR applications must be made before edible legume bloom.

WEEDS CONTROLLED

RAPTOR® will control or suppress the weeds listed below when applied postemergence to 1 to 3 inch weeds (unless otherwise indicated) at the recommended rates listed below.

BROADLEAF WEEDS CONTROLLED BY RAPTOR

	Application Rate	
	4 fluid oz./A with a nonionic surfactant	**4 fluid oz./A with a nonionic surfactant or a crop oil, nitrogen based fertilizer and Basagran**
	Maximum Weed Size (inches)	
Bedstraw		3
Beet, wild	3	3
Buttercup		3
Chickweed, common		3
Cocklebur, Common		3
Flixweed	3	3
Jimsonweed	3	3
Lambsquarters, common*	3	3
Mustard,		
tumble	3	3
wild	3	3
black	3	3
Nightshade,		
black	3	3
Eastern black	3	3
Hairy	3	3
Pennycress, field	3	3
Pigweed,		
Redroot	3	3
Smooth	3	3
Spiny	3	3
Puncturevine		3
Radish, wild	3	3
Shepherdspurse	3	3
Tansymustard, green	3	3
Velvetleaf		3

*RAPTOR controls common lambsquarters at 4 oz./A East of the Rocky Mountains.

BROADLEAF WEEDS SUPPRESSED BY RAPTOR®

	Application Rate	
	4 fluid oz./A with a nonionic surfactant	**4 fluid oz./A with a nonionic surfactant or a crop oil, nitrogen based fertilizer and Basagran**
	Maximum Weed Size (inches)	
Buckwheat, wild		3
Chickweed, common	3	
Knotweed, prostrate		3
Kochia*		3
Lettuce, miners		3
Morningglory,		
Entireleaf		3
Ivyleaf		3
Smallflower		3
Tall		3
Purslane, common		3
Rocket, London		3
Rocket, yellow		3
Smartweed		
Ladysthumb		3
Pennsylvania		3
Spurge, prostrate		3

*RAPTOR controls non-ALS resistant kochia only.

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GRASS WEEDS CONTROLLED BY RAPTOR®

	Application Rate	
	4 fluid oz./A with a nonionic surfactant	**4 fluid oz./A with a nonionic surfactant or a crop oil, nitrogen based fertilizer and Basagran**
	Maximum Weed Size (inches)	
Blackgrass		3
Brome,		
downy	3	3
cheat	3	3
Japanese	3	3
Canarygrass, littleseed		3
Cereals, volunteer		
Barley	3	3
Oat	3	3
Wheat (non-CLEARFIELD)	3	3
Darnel, Persian	3	3
Foxtail,		
Giant	3	3
Green	3	3
Yellow	3	3
Jointed goatgrass	3	3
Oats, wild	3	3
Ryegrass, Italian		3
Shattercane	3	3
Volunteer corn*		2-8

GRASS WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Barnyardgrass		3
Johnsongrass, rhizome		3
Crabgrass		
Large	3	3
Smooth	3	3
Sedges		
Purple	3	3
Yellow	3	3
Quackgrass	3	3

*Except imidazolinone tolerant corn.

SOYBEANS - DIRECTIONS FOR USE

RAPTOR® herbicide is effective in controlling weeds in conservation tillage and conventional production systems. **RAPTOR** can be applied early postemergence in soybeans but before the bloom stage. Refer to the specific treatment under the "APPLICATION INFORMATION" section of the label.

Unusually cool temperatures (50°F or less) reduce photosynthesis and transpiration and thus reduce uptake, translocation, and efficacy of **RAPTOR** herbicide in weeds. Delaying a **RAPTOR** application for 48 hours from the time the temperature increases to above 50°F, if air temperature has been below 50°F for 10 or more hours, will improve weed control and reduce crop response.

NO-TILL/MINIMUM TILLAGE AND DOUBLE CROP SOYBEANS

RAPTOR herbicide controls existing weeds and provides residual activity on some weeds when applied early postemergence to soybeans in no-till or minimum tillage and double crop soybean production systems. The application must be applied after emergence of the crop. (Refer to the WEEDS CONTROLLED chart for weeds controlled and recommended weed size).

To ensure thorough coverage, use a minimum of 20 gallons of water per acre in no-till or minimum tillage systems. Use higher gallonage for fields with dense vegetation or heavy crop residues.

Prior to planting or emergence of soybeans, Touchdown, or Roundup, Ultra or any glyphosate-containing product registered for that use may be applied to control emerged weeds. See specific product labeling for rates, recommendations, precautions and restrictions.

USE RATES

APPLY 4 FLUID OUNCES OF RAPTOR HERBICIDE PER ACRE WHEN PRECEDED BY A FULL RATE OF A REGISTERED SOIL APPLIED GRASS HERBICIDE LIKE PROWL® 3.3 EC HERBICIDE

OR

APPLY 5 FLUID OUNCES OF RAPTOR HERBICIDE PER ACRE IN A TOTAL POSTEMERGENCE HERBICIDE PROGRAM

RAPTOR may be applied postemergence at a broadcast rate of 4 fluid ounces per acre when it is preceded with a full labeled rate of a soil applied grass herbicide such as PROWL 3.3 EC herbicide. At this rate one gallon of **RAPTOR** will treat 32 acres of soybeans. **RAPTOR** may be applied postemergence at a broadcast rate of 5 fluid ounces per acre (including minimum and no-till). At this broadcast rate, one gallon of **RAPTOR** will treat 25.6 acres of soybeans.

Crop-Specific Restrictions and Limitation

There should be an interval of at least 85 days between an application of RAPTOR and soybean harvest.

RAPTOR applications must be made before soybean bloom.

Only one application of RAPTOR may be made during the season.

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

If soybeans are 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.

WEEDS CONTROLLED

When applied as directed, RAPTOR will control or suppress the weeds listed below as indicated. Refer to the MIXING INSTRUCTIONS section for recommendations when weeds are at the maximum recommended growth stage, or are under stress.

BROADLEAF WEEDS CONTROLLED BY RAPTOR® HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM

	Application Rate	
	RAPTOR Postemergence Alone	PROWL 3.3 EC Soil Applied Followed by RAPTOR Postemergence
	5 oz./A	4 oz./A
	Weed Size (inches)	
Artichoke, Jerusalem	3-8	3-8
Carpetweed		2-4
Chickweed, common	2-5	2-5
Cocklebur, common	2-8	2-8
Jimsonweed	2-6	2-6
Kochia**	1-4	1-4
Lambsquarters, common	2-5	2-5
Marshelder	2-4	2-4
Mallow, Venice	1-4	
Morningglory,		
Entireleaf	2-4	
Ivyleaf	2-4	
Smallflower	2-4	
Tall	2-4	
Mustard spp.	2-8	2-8
Nightshade,		
black	2-5	
Eastern black	2-5	
hairy	2-5	
Pigweed,		
Palmer amaranth***	2-4	2-4
prostrate	2-5	2-5
redroot	2-8	2-8
smooth	2-8	2-8
spiny	2-5	2-5
Puncturevine	1-3	
Purslane, common	1-3	1-3
Pusley, Florida		2-4
Radish, wild	2-4	2-4
Ragweed,		
Giant***	2-5	2-5
Common***	2-5	
Smartweed,		
ladysthumb	2-5	2-5
Pennsylvania	2-5	2-5

BROADLEAF WEEDS CONTROLLED BY RAPTOR® HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM (Continued)

	Application Rate	
	RAPTOR Postemergence Alone	PROWL 3.3 EC Soil Applied Followed by RAPTOR Postemergence
	5 oz./A	4 oz./A
	Weed Size (inches)	
Spurge, annual		2-4
Sunflower	2-8	2-8
Velvetleaf	2-8	2-8

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide followed by a postemergence application of RAPTOR herbicide at a broadcast rate of 4 fluid ounces per acre.

**Control of light to moderate populations only. For control of heavier populations use a SEQUENTIAL APPLICATION with a soil applied grass herbicide as described above.

***Control of light to moderate populations of ALS susceptible biotypes only. For control of heavier populations of ALS tolerant biotypes see the HERBICIDE COMBINATION section.

BROADLEAF WEEDS SUPPRESSED BY RAPTOR® HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM

	Application Rate	
	RAPTOR Postemergence Alone	PROWL 3.3 EC Soil Applied Followed by RAPTOR Postemergence
	5 oz./A	4 oz./A
	Weed Size (inches)	
Bindweed,		
field (seedling)	2-4	2-4
hedge (seedling)	2-4	2-4
Buckwheat	1-3	1-3
Mallow, Venice**		1-4
Morningglory,		
entireleaf**		2-4
ivyleaf**		2-4
pitted	2-4	2-4
smallflower		2-4
tall**		2-4
Ragweed, common**		2-5
Sida, prickly	2-4	2-4
Sowthistle, annual	2-4	2-4
Thistle, Canada	2-5	2-5

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide followed by a postemergence application of RAPTOR herbicide at a broadcast rate of 4 fluid ounces per acre.

**For control see the 5 ounce rate and HERBICIDE COMBINATION section.

GRASS WEEDS CONTROLLED BY RAPTOR® HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM

	Application Rate	
	RAPTOR Postemergence Alone	**PROWL 3.3 EC Soil Applied Followed by RAPTOR Postemergence**
	5 oz./A	**4 oz./A**
	Weed Size (inches)	
Barley, wild	2-4	2-4
Barnyardgrass	2-5**	2-5
Crabgrass,		
large		2-4
smooth		2-4
Crowfoot grass		2-5
Cupgrass, woolly		2-4
Foxtail,		
giant	2-6	2-6
green	2-6	2-6
yellow	2-6	2-6
Goosegrass		2-5
Johnsongrass, seedling	4-8	4-8
Millet, wild prose	2-4**	2-4
Oats, wild	2-6	2-6
Panicum,		
fall	2-6	2-6
Texas		2-6
Sanbur, field***	2-8	2-8
Signalgrass, broadleaf	2-5**	2-5
Shattercane	2-8	2-8
Volunteer corn****	2-8	2-8
Volunteer wheat		
(non-CLEARFIELD)	2-4***	2-4
Witchgrass		2-5

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide followed by a postemergence application of **RAPTOR** herbicide rate of 4 fluid ounces per acre.

**Control of light to moderate populations only. For control of heavier populations use a SEQUENTIAL APPLICATION with a soil applied grass herbicide as described above.

***For control a dinitroaniline (DNA) herbicide such as PROWL® 3.3 EC herbicide must be soil applied at a full-labeled rate.

****Except imidazolinone tolerant corn.

BROADLEAF WEEDS SUPPRESSED BY RAPTOR® HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM (Continued)

	Application Rate	
	RAPTOR Postemergence Alone	**PROWL 3.3 EC Soil Applied Followed by RAPTOR Postemergence**
	5 oz./A	**4 oz./A**
	Weed Size (inches)	
Crabgrass,		
large	2-4	
smooth	2-4	
Cupgrass	2-4	
Goosegrass		2-5
Itchgrass		2-5
Johnsongrass rhizome	6-12	6-12
Quackgrass		4-8
Red rice		2-5
Stinkgrass	2-4	
SEDGES		
Nutsedge,		
purple	1-3	1-3
yellow	1-3	1-3

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide followed by a postemergence application of RAPTOR herbicide at a broadcast rate of 4 fluid ounces per acre.

HERBICIDE COMBINATIONS

GRASS WEEDS

Use a soil applied grass herbicide (such as PROWL 3.3 EC herbicide) if heavy infestations of some grass weeds exist or if **RAPTOR** herbicide does not control the species present. Refer to the PROWL 3.3 EC (or other grass herbicide) label for specific use recommendations, rates and precautions.

Roundup[3] Ultra, may be tank-mixed with **RAPTOR** to aid in control of certain grasses only in Roundup[3] Ready Soybeans. Other glyphosate containing products registered for use on Roundup Ready soybeans may be substituted for Roundup Ultra. See the Roundup Ultra label (or other product labels) for rates and weeds controlled. DO NOT tankmix **RAPTOR** with EXTREME® or BACKDRAFT® herbicides. If a selective postemergence grass herbicide such as Poast® Plus, is mixed with **RAPTOR** to control species that are not controlled with **RAPTOR** alone, include a methylated seed oil, or a crop oil concentrate (1-2 gallons per 100 gallons) AND liquid fertilizer (2.5 gallons per 100 gallons) should be added to the tank-mixture. In some cases the activity of the grass herbicide may be reduced when mixed with **RAPTOR**. The reduction in activity may be overcome by delaying the application of the postemergence grass herbicide 7 days following the application of **RAPTOR**.

If the postemergence grass herbicide is applied first, wait 3 days before applying **RAPTOR**®. Refer to the respective grass herbicide label for recommended application rate, weed size and restrictions.

BROADLEAF WEEDS

Roundup® Ultra, may be tank-mixed with **RAPTOR** to aid in control of certain broadleaf weeds only in Roundup Ready Soybeans. See the Roundup Ultra label for rates and weeds controlled.

Tank-mixing **RAPTOR** and certain broadleaf herbicides (e.g. diphenylethers and Basagran®), can reduce grass control, therefore a sequential program including a soil applied grass herbicide such as PROWL® 3.3 EC is recommended for optimal control.

Enhanced control of ragweed species, Palmer amaranth, waterhemp, and Kochia.

Use a soil application of PROWL® 3.3 EC herbicide followed by a postemergence application of **RAPTOR** herbicide at a broadcast rate of 4 to 5 fluid ounces per acre plus a diphenylether such as ULTRA BLAZER®, (acifluorfen) or Roundup® Ultra for enhanced control of ragweeds, Palmer amaranth, waterhemp, and kochia. Refer to the PROWL® 3.3 EC and ULTRA BLAZER® or Roundup® Ultra, labels for specific use recommendations, rates, restrictions and precautions.

When tank-mixing **RAPTOR** and ULTRA BLAZER®, apply **RAPTOR** at a broadcast rate of 5 fluid ounces per acre or 4 fluid ounces per acre when preceded by a full rate of a registered soil applied grass herbicide. Apply ULTRA BLAZER at the following rates depending on weed height:

ULTRA BLAZER Rate (ounces per acre)*

Weed	8-10 oz.	12-14 oz.	16-20 oz.
Ragweed spp.	2-4"	4-6"	6-8"
Palmer amaranth	2-4"	4-6"	6-8"
Waterhemp spp.	2-4"	4-6"	6-8"
Kochia	2-4"	4-6"	6-8"

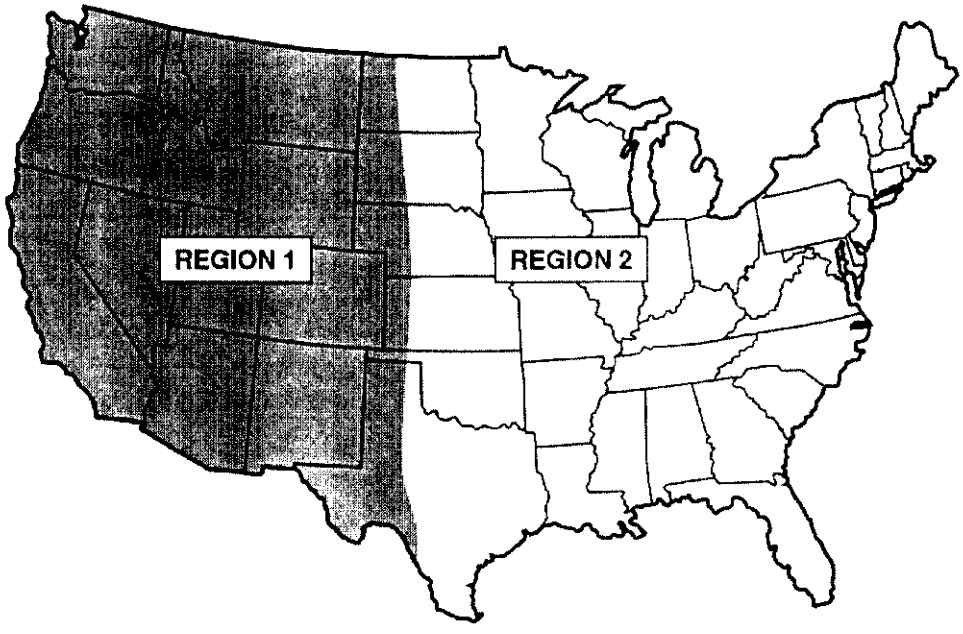
*Use the higher rate if common ragweed is present or the weed population is high.

Enhanced control of common ragweed and giant ragweed.

Firstrate®, may be tank-mixed with **RAPTOR** to aid in the control of common ragweed and giant ragweed. When tank-mixing Firstrate with **RAPTOR**, apply 0.15 to 0.3 ounces per acre of Firstrate. Use the higher rate when weeds approach maximum labeled size. See the Firstrate label for recommended rates and precautions.

ROTATIONAL CROP GUIDELINES

Rotational crops may be planted after applying the recommended rate of RAPTOR herbicide in the regions as indicated below. Planting earlier than the recommended interval may result in crop injury.



Region 1 consists of states and parts of states WEST of U.S. Highway 83. (Arizona, California, Idaho, Oregon, Washington, Utah, Nevada, New Mexico, Wyoming, Montana, Colorado, and western parts of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma and Texas.)

Region 2 consists of states and parts of states to the EAST of U.S. Highway 83. (Includes the Eastern parts of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, and the states to the east of these states.)

Rotational Interval (months) Following an Application of RAPTOR® Herbicide

Plant-back Interval (Months)	Region 1	Region 2
Anytime	CLEARFIELD canola CLEARFIELD wheat Edible legumes soybeans	CLEARFIELD canola CLEARFIELD wheat Edible legumes soybeans
Three months	Alfalfa Wheat (non–CLEARFIELD)	Alfalfa Wheat (non–CLEARFIELD)
Four months	Rye	Rye
Eight and one-half months	Corn (field, pop, seed, sweet, CLEARFIELD)	Corn (field, pop, seed, sweet, CLEARFIELD)
Nine months	Barley* Peanut Cantaloupe Pumpkin Cotton Rice Grain Sorghum Squash Lettuce Sunflower Millets Tobacco Oat Watermelon Onion	Broccoli Peanut Cabbage Pepper Cantaloupe Potato Carrot Pumpkin Cotton Rice Cucumber Squash Grain Sorghum Sunflower Lettuce Tobacco Millets Tomato Oat Turnip Onion Watermelon
Eighteen months	Barley* Pepper Broccoli Potato Cabbage Tomato Carrot Turnip Cucumber **All other crops not listed in the ROTATIONAL CROP guideline**	Canola Condiment Mustard Sugarbeet** Table beet** **All other crops not listed in the ROTATIONAL CROPS guideline**
Twenty-six months	Sugarbeet Canola Condiment Mustard Table beet	Sugarbeet** Table beet**

*In **Region 1**, refer to the following table for guideline for planting barley following applications of **RAPTOR** herbicide.

Barley Rotational Interval Based on pH, Moisture and Tillage (Region 1)

		Moldboard plowing?	
		NO	**YES**
pH and Rainfall Requirements	**>18" R+I AND pH >6.2**	9 months	9 months
	<18" R+I OR pH <6.2	18 months	9 months

R+I = Rainfall and overhead irrigation from the time of **Raptor** application to barley planting. **Does not include furrow or flood irrigation.**

If the rainfall or pH requirements are not fully met, and barley is planted prior to 18 months. injury may be reduced by tillage, such as deep disking (greater than 6 inches deep) after crop harvest but prior to November 1.

In **Region 2, sugarbeetand table beets can be planted eighteen months following an application of RAPTOR if the soil pH is uniformly 6.2 or greater. If the soil pH is less than 6.2, the rotational interval is 26 months. Sugarbeetyields can be reduced when grown in soil conditions with a pH less than 6.2. If the soil is limed to adjust the soil pH, apply the lime at least 18

months prior to planting sugarbeetor other rotational crops under the 18 month rotational interval.

When taking soil samples to determine soil pH, utilize a grid sampling technique, sampling to a depth of 3-4 inches.

Furrow and Flood Irrigated Crops

Following harvest of furrow or flood irrigated crops, the soil should be thoroughly mixed by plowing or deep disking in order to minimize the potential for herbicide carryover to the following crop.

Use of **RAPTOR** 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, such as arid conditions, make it impossible to eliminate all risks associated with the use of this product and, therefore, rotational crop injury is always possible.

GENERAL PRECAUTIONS

In the event of a crop loss due to weather, edible legumes, CLEARFIELD canola, CLEARFIELD wheat, or soybeans can be replanted. Do not make an additional application of RAPTOR.

Application of products containing chlorimuron ethyl (Classic™, Canopy®, Synchrony™, Gemini™, Lorox Plus®, Preview™, etc.), metsulfuron-methyl (Harmony™, Extra™), flumetsulam (Broadstrike + Dual, Broadstrike + Treflan), imazaquin (SCEPTER®, SQUADRON®, TRI-SCEPT®, SCEPTER® O.T., SCEPTER® 70DG, or imazethapyr (PURSUIT®, PURSUIT® DG, PURSUIT® PLUS® EC) the same year as RAPTOR may increase the risk of injury to sensitive rotational crops. Consult all pertinent labels for recommended uses of these products in combinations.

If arid conditions occur during the year of application rotational crop injury may occur.

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

BASF

NVA 2001-04-133-0115
Revised: 07-29-02

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RAPTOR® herbicide-Supplemental label

FOR USE ON ALFALFA, EDIBLE LEGUMES AND SOYBEANS

Not for use in Imidazolinone Tolerant (CLEARFIELD) Canola or Wheat

Active Ingredient:

Ammonium salt of imazamox 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid**	12.1%
Inert Ingredients:	87.9%
Total	100.0%

**Equivalent to 11.4% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid

(1 gallon contains 1.0 pound of active ingredient as the free acid)

U.S. Patent No. 5,334,576

EPA Registration Number: 241-379 EPA Establishment Number: 241-PR-002

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 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.

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

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

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

ACCEPTED with COMMENTS EPA Letter Dated JAN 29 2003

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 241-379

See Next Page for Additional Precautionary Statements

See inside booklet for complete **Precautionary Statements, Statement of Practical Treatment, Directions For Use,** and **Conditions of Sale and Warranty**.

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

Net contents: 1 Gallon (3.785 liters)

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if absorbed through skin or inhaled. Avoid breathing spray mist. Avoid contact with skin, eyes 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 ≥ 14 mils, or natural rubber ≥ 14 mils, or neoprene rubber ≥ 14 mils, or nitrile rubber ≥ 14 mils
- Shoes plus socks

Follow the 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.

In Case of Emergency
In case of large-scale spillage regarding this product, call:

CHEMTREC	800-424-9300
BASF Corporation	800-832-HELP

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- BASF Corporation (800-832-HELP)

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 pesticide may be hazardous to plants outside the treated area. DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Offsite movement from spray drift, volatilization, and runoff may be hazardous to neighboring crops and vegetative habitat utilized for food and cover by wildlife and aquatic organisms. DO NOT contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the possession of the user at the time of pesticide application.

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.

Ensure spray drift to non-target species does not occur.

DO NOT apply **RAPTOR®** in any manner not specifically described in this label.

DO NOT apply this product through any type of irrigation system. When applied by either ground or air, **RAPTOR** spray drift or other indirect contact may injure sensitive crops, including non-imidazolinone tolerant wheat or canola, sugarbeets, and leafy vegetables.

Spray equipment used for **RAPTOR** application must be drained and thoroughly cleaned with water before being used to apply other products.

Observe all caution limitations on this label and on labels of products used in combination with **RAPTOR** herbicide.

DO NOT use **RAPTOR®** other than in accordance with the instructions set forth on this label. The use of RAPTOR not consistent with this label may result in injury to crops. Keep containers closed to avoid spills and contamination.

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 4 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
- 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

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 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, or 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 BASF Corporation. All such risks shall be assumed by the user.

THIS PRODUCT WHEN USED ON EDIBLE LEGUMES MAY LEAD TO CROP INJURY, LOSS, OR DAMAGE. BASF RECOMMENDS THAT THE USER AND/OR GROWER TEST THIS PRODUCT IN ORDER TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE. BASF MAKES THIS PRODUCT AVAILABLE TO THE USER AND/OR GROWER SOLELY TO THE EXTENT THAT THE BENEFIT AND UTILITY, IN THE SOLE OPINION OF THE USER AND/OR GROWER, OUTWEIGH THE EXTENT OF POTENTIAL INJURY ASSOCIATED WITH THE USE OF THIS PRODUCT. THE DECISION TO USE OR NOT TO USE THIS HERBICIDE MUST BE MADE BY EACH INDIVIDUAL RAPTOR USER AND/OR GROWER ON THE BASIS OF POSSIBLE CROP INJURY FROM RAPTOR, THE SEVERITY OF WEED INFESTATION, THE COST OF ALTERNATIVE WEED CONTROLS, AND OTHER FACTORS. BASF INTENDS THAT BECAUSE OF THE RISK OF FAILURE TO PERFORM OR CROP DAMAGE THAT ALL SUCH USE IS AT THE USER'S AND/OR GROWER'S RISK. BASF DISCLAIMS ANY LIABILITY FOR CLAIMS, CAUSES OF ACTION, FINES, PENALTIES, DAMAGES, INCLUDING CONSEQUENTIAL INCIDENTS AND DAMAGES, LOSSES, LIABILITIES, JUDGEMENTS, AND EXPENSES ARISING OUT OF OR RELATING TO INJURY TO PERSONS, CROPS, OR PROPERTY RESULTING FROM THE USE OF RAPTOR HERBICIDE ON EDIBLE LEGUMES CONTRARY TO THE LABEL INSTRUCTIONS.

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 RAPTOR 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

The mode of weed killing activity involves uptake of RAPTOR herbicide by foliage and/or weed roots and rapid translocation to the growing points. After RAPTOR application, susceptible weeds may show yellowing and weed growth will stop. Susceptible weeds stop growing and either die or are not competitive with the crop. Adequate soil moisture is important for optimum RAPTOR activity. When adequate soil moisture is present, RAPTOR will provide residual activity of susceptible germinating weeds; activity on established weeds will depend on the weed species and the location of its root system in the soil. A timely cultivation after a RAPTOR application may improve general weed control.

When organophosphate (such as Lorsban™) or carbamate insecticides are tank-mixed with RAPTOR herbicide, temporary injury may result to the treated crop.

Use of RAPTOR herbicide 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.

Occasionally, internode shortening and/or temporary yellowing of crop plants may occur following RAPTOR applications. These effects can be more pronounced if crops are growing under stressful environmental or hot and humid conditions. These effects occur infrequently and are temporary. Normal growth and appearance should resume within 1-2 weeks.

Replanting: If replanting is necessary in a field previously treated with RAPTOR, the field may be replanted to CLEARFIELD Canola, CLEARFIELD Wheat, edible legumes, or soybeans. Rework the soil no deeper than 2 inches. DO NOT apply a second treatment of RAPTOR.

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. Other herbicides with the ALS/AHAS enzyme inhibiting mode of action include the sulfonylureas (e.g., Amber®, Express®, Everest™, Finnesse®, Glean®, Peak®, Rave®, Accent®, Ally®, Basis®, Classic®, Exceed®, Harmony® Extra, Maverick™, Permit®, Pinnacle®, etc.), imidazolinones (e.g., Pursuit®, Scepter®, Cadre® and Lightning®), the sulfonamides (e.g., Hornet, etc.) and the pyrimidyl benzoates (e.g. Staple, etc.). If naturally occurring ALS/AHAS resistant biotypes are present in a field, RAPTOR and/or any other ALS/AHAS enzyme inhibiting mode of action herbicide should be tank-mixed or applied sequentially with an appropriate registered herbicide having a different mode of action to ensure control.

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

MIXING INSTRUCTIONS

POSTEMERGENCE APPLICATIONS OF RAPTOR REQUIRE THE ADDITION OF AN ADJUVANT **AND** A NITROGEN FERTILIZER SOLUTION.

I. ADJUVANTS

CROP OIL CONCENTRATE: A petroleum or vegetable seed based crop oil concentrate may be used. A methylated seed oil is recommended when weeds are under moisture or temperature stress. Use methylated seed oils, or crop oil concentrate at a rate of 1-2 gallons per 100 gallons of spray solution.

OR

SURFACTANTS: Use a nonionic surfactant containing at least 80% active ingredient. Apply the surfactant at the rate of 1-2 quarts per 100 gallons of spray solution. An organo-silicone surfactant may be used in place of a non-ionic surfactant.

AND

II. NITROGEN FERTILIZER

Recommended nitrogen based fertilizers include liquid fertilizers (such as 28%N, 32%N or 10-34-0) at the rate of 2.5 gallons per 100 gallons of spray solution. Instead of a liquid fertilizer, spray grade ammonium sulfate may be used at the rate of 12-15 pounds per 100 gallons of spray solution.

Fill the spray tank one-half to three-quarters full with clean water. Use a calibrated measuring device to measure the required amount of **RAPTOR®** herbicide. Add RAPTOR to the spray tank while agitating. Add adjuvants and fill the remainder of the tank with water.

NOTE: Nitrogen fertilizer is not required when applied in use areas south of Interstate Highway 40, except in the states of Texas, New Mexico, Oklahoma, Arizona, and California.

NOTE: Do not apply RAPTOR in liquid fertilizer as the carrier.

NOTE: Additional MIXING INSTRUCTIONS for EDIBLE LEGUMES.

RAPTOR applications may be made to dry edible legumes either with, or without the addition of a fertilizer. The addition of nitrogen-based fertilizer such as ammonium sulfate or liquid fertilizers (such as 28-0-0) may improve weed control, but also increases the likelihood of dry bean response. When nitrogen is added to the mixture, add Basagran, as a tank mixture partner at a rate of 6 to 16 oz./A to minimize crop response. For applications to dry peas, always add Basagran to the spray mixture. For enhanced grass activity, add a crop oil (or methylated seed oil) instead of surfactant. Always add Basagran at the rates indicated above when crop oils and/or fertilizer are used in the spray mixture. Basagran applications at rates higher than 16 oz./A may reduce grass control.

TANK MIX COMBINATIONS WITH OTHER HERBICIDES

If other herbicides or other spray tank components are tank-mixed with RAPTOR, while agitating, add components in the following order and thoroughly mix after adding each component:

1) Fill spray tank 1/2 to 3/4 full with clean water.
2) Add soluble packet products and thoroughly mix.
3) Add WP (wettable powder), DG (dispersible granule), DF (dry flowable) or liquid flowable formulations not in soluble packets.
4) Add RAPTOR and thoroughly mix.
5) Add other aqueous solution products.
6) Add EC (emulsifiable concentrate) products.
7) Add surfactant or crop oil to the spray tank.
8) Add nitrogen fertilizer solution.
9) While agitating, fill the remainder of the tank with water.

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

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

SPRAYING INSTRUCTIONS

DO NOT apply when wind conditions may result in drift, when temperature inversion conditions exist, or when spray may be carried to sensitive crops. Sensitive crops include but are not limited to leafy vegetables and sugarbeet.

GROUND APPLICATION

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 RAPTOR herbicide to minimum or no-till crops. 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 flat-fan nozzle tips or similar appropriate nozzle tips to ensure adequate coverage.

Avoid overlaps when spraying.

GROUND APPLICATION WITH A LOW VOLUME SPRAYER

RAPTOR® may be applied with a low volume (Spra-Coupe™-type) sprayer. When applying RAPTOR with a low volume sprayer, spray the weeds before they reach the maximum size listed in this label. Adequate control of weeds is dependent upon good spray coverage of the weeds. The sprayer must be calibrated to deliver the recommended spray volume and pressure to ensure adequate spray coverage of the weeds.

When applying RAPTOR with a low volume sprayer, apply a minimum of 10 gallons per acre of spray solution with a nozzle pressure between 40-60 psi for optimum coverage.

AERIAL APPLICATION

RAPTOR herbicide may be applied by air to all crops listed on this label.

Uniformly apply with properly calibrated aerial equipment in 5 or more gallons of water per acre. The addition of an adjuvant AND fertilizer solution are required for optimum weed control. 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 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 10 mph (greater than 5 mph in California).
- Coarse sprays (larger droplets) are less likely to drift.

APPLICATION INFORMATION

Apply RAPTOR herbicide as a postemergence treatment when weeds are actively growing and before they exceed the maximum recommended size (see weed control tables following each crop). Delay application until the majority of the weeds are at the recommended growth stage. Application timing should be based on weed size and not crop growth stage. In general, RAPTOR should be applied when weeds are small and actively growing, however, delay application in seedling alfalfa and dry beans until minimum growth stages have occurred (refer to seedling alfalfa and dry bean sections).

An adjuvant (either a surfactant or a crop oil concentrate) and a nitrogen fertilizer must be added to the spray solution for optimum weed control activity. See the ADJUVANT section under MIXING INSTRUCTIONS for specific instructions.

When RAPTOR is applied postemergence, absorption will occur through both the roots and foliage. Susceptible weeds stop growing and either die or are not competitive with the crop. RAPTOR not only controls many existing broadleaf and grass weeds when applied postemergence, it also provides activity on susceptible weeds that may emerge shortly after application. Weeds are most easily controlled when actively growing. Under conditions of cold temperatures (less than 40°F, maximum daytime temperatures), weed control may be less than optimal.

For maximum weed control, cultivate (where possible) 7 - 10 days following a postemergence RAPTOR application. This timely cultivation will enhance residual weed activity, especially under dry conditions.

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

ALFALFA-DIRECTIONS FOR USE

Apply RAPTOR herbicide as an early postemergence treatment when weeds are actively growing and before they exceed a height of 3 inches, unless otherwise indicated. Delay application until the majority of the weeds are at the recommended growth stage. Apply RAPTOR to crop and weeds that are actively growing.

USE RATE

Apply RAPTOR postemergence only at a broadcast rate of 4 to 6 ounces per acre to seedling or established alfalfa grown for forage, hay or seed. At the recommended application rate, 1 gallon of RAPTOR will treat 21-32 acres.

SEEDLING ALFALFA

Apply RAPTOR when the seedling alfalfa is in the second (2nd) trifoliate stage or larger and when the majority of the weeds are 1-3 inches. When applied to alfalfa grown for seed, apply RAPTOR before bud formation. For prostrate growing weeds (such as mustards) apply RAPTOR before the rosette exceeds 3 inches. When RAPTOR is applied to seedling alfalfa, there may be a temporary reduction in growth. Alfalfa soon outgrows any effects of the herbicide.

ESTABLISHED ALFALFA

RAPTOR can be applied to established alfalfa in the fall, winter, or in the spring to dormant, or semi-dormant alfalfa, or between cuttings. Any application should be made before significant alfalfa growth or re-growth (3 inches) to allow RAPTOR to reach the target weeds.

Crop-Specific Restrictions and Limitation

There should be an interval of at least 20 days between application of RAPTOR and cutting or feeding of alfalfa forage or hay. There should be an interval of 70 days between an application of RAPTOR and harvest of alfalfa seed used for food or feed.

CROP-SPECIFIC RESTRICTIONS AND LIMITATION

There should be an interval of at least 20 days between application of **RAPTOR** and cutting or feeding of alfalfa forage or hay. There should be an interval of 70 days between an application of **RAPTOR** and harvest of alfalfa seed used for food or feed.

A maximum of 6 ounces of RAPTOR per season may be applied to alfalfa.

DO NOT make sequential applications of PURSUIT followed by RAPTOR (or RAPTOR followed by PURSUIT) within a 60 day timeframe due to increased potential alfalfa crop response.

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WEEDS CONTROLLED

RAPTOR will control or suppress the weeds listed below when applied postemergence at the recommended rates listed below.

BROADLEAF WEEDS CONTROLLED BY RAPTOR

	Application Rate		
	4 fluid oz./A	**5 fluid oz./A**	**6 fluid oz./A**
	Maximum Weed Size (inches)		
Bedstraw	3	3	3
Beet, wild	3	3	3
Buckwheat, wild		3	3
Buttercup		3	3
Canola, volunteer	3	3	3
Chickweed, common	3	3	3
Cocklebur, common	3	3	3
Flixweed	3	3	3
Filaree,			
Redstem			3
Whitestem			3
Henbit			2
Knotweed, postrate		3	3
Kochia*		3	3
Lambsquarters, common	3**	3	3
Lettuce, miners		3	3
Jimsonweed	3	3	3
Mallow,			
Common	3	3	3
Venice		1	1
Morningglory,			
Entireleaf		3	3
Ivyleaf		3	3
Smallflower		3	3
Tall		3	3
Mustard,			
tumble	3	3	3
wild	3	3	4
black	3	3	4
Nightshade,			
black	3	5	5
Eastern black	3	5	5
Hairy	3	4	5
Nettle, burning		2	2
Nettleleaf goosefoot	3	3	3
Pennycress, field	3	3	3

*RAPTOR controls non-ALS resistant kochia only.

**RAPTOR controls common lambsquarters at 4 oz./A East of the Rocky Mountains.

BROADLEAF WEEDS CONTROLLED BY RAPTOR (Continued)

	Application Rate		
	4 fluid oz./A	5 fluid oz./A	6 fluid oz./A
	Maximum Weed Size (inches)		
Pigweed,			
Redroot	3	4	5
Smooth	3	4	4
Spiny	3	3	3
Purslane, common			3
Radish, wild	3	3	3
Rocket, London		4	5
Rocket, yellow		4	4
Shepherdspurse	3	4	5
Smartweed,			
Ladysthumb	3	3	3
Pennsylvania	3	3	3
Swamp		3	3
Spurge, prostate		3	3
Sunflower, common		3	3
Swinecress		3	3
Tansymustard, green	3	3	4
Thistle, Russian		3	3
Velvetleaf	3	4	5
Willoweed panicle		3	3

BROADLEAF WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Dandelion			3
Dock, curly		3	3
Dodder*			3
Fiddleneck			3
Ragweed,			
Common		3	3
Giant		3	3
Thistle, Canada			3
Sowthistle		3	3

*For suppression of dodder, apply RAPTOR after the dodder has emerged until soon after dodder attaches to the alfalfa.

GRASS WEEDS CONTROLLED BY RAPTOR

	Application Rate		
	4 fluid oz./A	5 fluid oz./A	6 fluid oz./A
	Maximum Weed Size (inches)		
Barnyardgrass		3	3
Blackgrass	3	3	3
Brome,			
California	3	3	3
downy	3	3	3
cheat	3	3	3
Japanese	3	3	3
Canarygrass, littleseed	3	3	3
Cereals, volunteer			
Barley	3	3	3
Oat	3	3	3
Wheat (non-CLEARFIELD)	3	3	3
Corn, volunteer	4	5	8
Crabgrass, large		3	3
Darnel, Persian	3	3	3
Foxtail,			
Giant	3	4	5
Green	3	3	4
Yellow	3	3	4
Johnsongrass, seedling		3	3
Jointed goatgrass	3	3	3
Lovegrass	3	3	3
Millet, wild proso		3	3
Oats, wild	3	3	3
Ryegrass, Italian	3	3	3
Rye, feral or cereal		3	3
Shattercane	3	4	5

GRASS WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Bluegrass, annual	3
Johnsongrass, rhizome	3
Sedges	
Purple	3
Yellow	3
Quackgrass	3

TANK MIX COMBINATIONS WITH OTHER HERBICIDES

To control weeds not listed on the **RAPTOR®** label, herbicides such as Buctril® (seedling alfalfa only), 2,4-DB, Poast® or Poast® Plus or Prism®/Select® may be tank mixed with **RAPTOR**. When **RAPTOR** 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.

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EDIBLE LEGUMES - DIRECTIONS FOR USE

DO NOT apply RAPTOR to edible legumes in California.

RAPTOR may be applied to the following edible legumes:

Dry Beans	Dry Peas
Adzuki, Anazazi, Black, Black Turtle, Cranberry, Great Northern, Lima (dry), Navy, Pink, Pinto, Red kidney, Small red, Small white	**Dry edible peas (field peas) Southern peas (cow peas)**

DO NOT apply RAPTOR to snap beans, succulent peas, chickpeas (garbanzo beans), fresh limas, or lentils.

Reduced crop growth, temporary yellowing, quality, yield and/or delayed maturity may result from a **RAPTOR®** application to edible legume crops listed on this label. Since crop maturity may be delayed, timing of harvest may need to be adjusted accordingly. DO NOT apply RAPTOR if planting is delayed and chance of frost prior to maturity is likely. Some varieties of edible legumes are more sensitive to RAPTOR than other varieties. Growers should check with the seed company regarding the safety of RAPTOR to their variety.

USE **RAPTOR** ONLY if proper agronomic practices have been utilized, including good soil fertility, proper crop rotation, disease and insect management and tillage practices that eliminate compaction and hardpans.

RAPTOR herbicide is effective in controlling weeds in conservation tillage and conventional production systems. Apply **RAPTOR** postemergence to dry beans with at least one fully expanded trifoliate leaf and to dry peas with at least 3 pairs of leaves and before the bloom stage. Delay application until the majority of the weeds are at the recommended growth stage. Application timing should be based on weed size and crop growth stage. Apply RAPTOR to crop and weeds that are actively growing.

USE RATE

APPLY 4 FLUID OUNCES OF RAPTOR HERBICIDE PER ACRE.

At this application rate, 1 gallon will treat 32 acres of edible legumes.

NOTE: Additional MIXING INSTRUCTIONS for EDIBLE LEGUMES.

RAPTOR applications may be made to edible legumes either with, or without the addition of a fertilizer. The addition of nitrogen-based fertilizer such as ammonium sulfate or liquid fertilizers (such as 28-0-0) may improve weed control, but also increases the likelihood of dry bean response. When nitrogen and/or crop oils are added to the mixture, add Basagran®, as a tank mixture partner at a rate of 6 to 16 oz./A to minimize crop response. For applications to dry peas, always add Basagran to the spray mixture, regardless of additives added. For enhanced grass activity, add a crop oil instead of surfactant. At 16 oz./A, Basagran will enhance control of common lambsquarters and kochia. Basagran applications at rates higher than 16 oz./A may reduce grass control.

Crop-Specific Restrictions and Limitations

There should be an interval of at least 60 days between an application of RAPTOR and harvest of dry edible peas and beans.

Only one application of RAPTOR may be made during the season.

A maximum of 4 ounces of RAPTOR per season may be applied to dry beans.

DO NOT feed treated edible legume forage, hay, or straw to livestock.

RAPTOR applications must be made before edible legume bloom.

WEEDS CONTROLLED

RAPTOR® will control or suppress the weeds listed below when applied postemergence to 1 to 3 inch weeds (unless otherwise indicated) at the recommended rates listed below.

BROADLEAF WEEDS CONTROLLED BY RAPTOR

	Application Rate	
	4 fluid oz./A with a nonionic surfactant	**4 fluid oz./A with a nonionic surfactant or a crop oil, nitrogen based fertilizer and Basagran**
	Maximum Weed Size (inches)	
Bedstraw		3
Beet, wild	3	3
Buttercup		3
Chickweed, common		3
Cocklebur, Common		3
Flixweed	3	3
Jimsonweed	3	3
Lambsquarters, common*	3	3
Mustard,		
tumble	3	3
wild	3	3
black	3	3
Nightshade,		
black	3	3
Eastern black	3	3
Hairy	3	3
Pennycress, field	3	3
Pigweed,		
Redroot	3	3
Smooth	3	3
Spiny	3	3
Puncturevine		3
Radish, wild	3	3
Shepherdspurse	3	3
Tansymustard, green	3	3
Velvetleaf		3

*RAPTOR controls common lambsquarters at 4 oz./A East of the Rocky Mountains.

BROADLEAF WEEDS SUPPRESSED BY RAPTOR®

	Application Rate	
	4 fluid oz./A with a nonionic surfactant	**4 fluid oz./A with a nonionic surfactant or a crop oil, nitrogen based fertilizer and Basagran**
	Maximum Weed Size (inches)	
Buckwheat, wild		3
Chickweed, common	3	
Knotweed, prostrate		3
Kochia*		3
Lettuce, miners		3
Morningglory,		
Entireleaf		3
Ivyleaf		3
Smallflower		3
Tall		3
Purslane, common		3
Rocket, London		3
Rocket, yellow		3
Smartweed		
Ladysthumb		3
Pennsylvania		3
Spurge, prostrate		3

*RAPTOR controls non-ALS resistant kochia only.

GRASS WEEDS CONTROLLED BY RAPTOR®

	Application Rate	
	4 fluid oz./A with a nonionic surfactant	4 fluid oz./A with a nonionic surfactant or a crop oil, nitrogen based fertilizer and Basagran
	Maximum Weed Size (inches)	
Blackgrass		3
Brome,		
downy	3	3
cheat	3	3
Japanese	3	3
Canarygrass, littleseed		3
Cereals, volunteer		
Barley	3	3
Oat	3	3
Wheat (non-CLEARFIELD)	3	3
Darnel, Persian	3	3
Foxtail,		
Giant	3	3
Green	3	3
Yellow	3	3
Jointed goatgrass	3	3
Oats, wild	3	3
Ryegrass, Italian		3
Shattercane	3	3
Volunteer corn*		2-8

GRASS WEEDS SUPPRESSED BY RAPTOR APPLICATIONS

Barnyardgrass		3
Johnsongrass, rhizome		3
Crabgrass		
Large	3	3
Smooth	3	3
Sedges		
Purple	3	3
Yellow	3	3
Quackgrass	3	3

*Except imidazolinone tolerant corn.

SOYBEANS - DIRECTIONS FOR USE

RAPTOR® herbicide is effective in controlling weeds in conservation tillage and conventional production systems. **RAPTOR** can be applied early postemergence in soybeans but before the bloom stage. Refer to the specific treatment under the "APPLICATION INFORMATION" section of the label.

Unusually cool temperatures (50°F or less) reduce photosynthesis and transpiration and thus reduce uptake, translocation, and efficacy of **RAPTOR** herbicide in weeds. Delaying a **RAPTOR** application for 48 hours from the time the temperature increases to above 50°F, if air temperature has been below 50°F for 10 or more hours, will improve weed control and reduce crop response.

NO-TILL/MINIMUM TILLAGE AND DOUBLE CROP SOYBEANS

RAPTOR herbicide controls existing weeds and provides residual activity on some weeds when applied early postemergence to soybeans in no-till or minimum tillage and double crop soybean production systems. The application must be applied after emergence of the crop. (Refer to the WEEDS CONTROLLED chart for weeds controlled and recommended weed size).

To ensure thorough coverage, use a minimum of 20 gallons of water per acre in no-till or minimum tillage systems. Use higher gallonage for fields with dense vegetation or heavy crop residues.

Prior to planting or emergence of soybeans, Touchdown, or Roundup, Ultra or any glyphosate-containing product registered for that use may be applied to control emerged weeds. See specific product labeling for rates, recommendations, precautions and restrictions.

USE RATES

APPLY 4 FLUID OUNCES OF RAPTOR HERBICIDE PER ACRE WHEN PRECEDED BY A FULL RATE OF A REGISTERED SOIL APPLIED GRASS HERBICIDE LIKE PROWL® 3.3 EC HERBICIDE

OR

APPLY 5 FLUID OUNCES OF RAPTOR HERBICIDE PER ACRE IN A TOTAL POSTEMERGENCE HERBICIDE PROGRAM

RAPTOR may be applied postemergence at a broadcast rate of 4 fluid ounces per acre when it is preceded with a full labeled rate of a soil applied grass herbicide such as PROWL 3.3 EC herbicide. At this rate one gallon of **RAPTOR** will treat 32 acres of soybeans. **RAPTOR** may be applied postemergence at a broadcast rate of 5 fluid ounces per acre (including minimum and no-till). At this broadcast rate, one gallon of **RAPTOR** will treat 25.6 acres of soybeans.

Crop-Specific Restrictions and Limitation

There should be an interval of at least 85 days between an application of RAPTOR and soybean harvest.

RAPTOR applications must be made before soybean bloom.

Only one application of RAPTOR may be made during the season.

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

If soybeans are 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.

WEEDS CONTROLLED

When applied as directed, RAPTOR will control or suppress the weeds listed below as indicated. Refer to the MIXING INSTRUCTIONS section for recommendations when weeds are at the maximum recommended growth stage, or are under stress.

BROADLEAF WEEDS CONTROLLED BY RAPTOR® HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM

	Application Rate	
	RAPTOR Postemergence Alone	PROWL 3.3 EC Soil Applied Followed by RAPTOR Postemergence
	5 oz./A	4 oz./A
	Weed Size (inches)	
Artichoke, Jerusalem	3-8	3-8
Carpetweed		2-4
Chickweed, common	2-5	2-5
Cocklebur, common	2-8	2-8
Jimsonweed	2-6	2-6
Kochia**	1-4	1-4
Lambsquarters, common	2-5	2-5
Marshelder	2-4	2-4
Mallow, Venice	1-4	
Morningglory,		
Entireleaf	2-4	
Ivyleaf	2-4	
Smallflower	2-4	
Tall	2-4	
Mustard spp.	2-8	2-8
Nightshade,		
black	2-5	
Eastern black	2-5	
hairy	2-5	
Pigweed,		
Palmer amaranth***	2-4	2-4
prostrate	2-5	2-5
redroot	2-8	2-8
smooth	2-8	2-8
spiny	2-5	2-5
Puncturevine	1-3	
Purslane, common	1-3	1-3
Pusley, Florida		2-4
Radish, wild	2-4	2-4
Ragweed,		
Giant***	2-5	2-5
Common***	2-5	
Smartweed,		
ladysthumb	2-5	2-5
Pennsylvania	2-5	2-5

BROADLEAF WEEDS CONTROLLED BY RAPTOR® HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM (Continued)

	Application Rate	
	RAPTOR Postemergence Alone	PROWL 3.3 EC Soil Applied Followed by RAPTOR Postemergence
	5 oz./A	4 oz./A
	Weed Size (inches)	
Spurge, annual		2-4
Sunflower	2-8	2-8
Velvetleaf	2-8	2-8

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide followed by a postemergence application of RAPTOR herbicide at a broadcast rate of 4 fluid ounces per acre.

**Control of light to moderate populations only. For control of heavier populations use a SEQUENTIAL APPLICATION with a soil applied grass herbicide as described above.

***Control of light to moderate populations of ALS susceptible biotypes only. For control of heavier populations of ALS tolerant biotypes see the HERBICIDE COMBINATION section.

BROADLEAF WEEDS SUPPRESSED BY RAPTOR® HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM

	Application Rate	
	RAPTOR Postemergence Alone	PROWL 3.3 EC Soil Applied Followed by RAPTOR Postemergence
	5 oz./A	4 oz./A
	Weed Size (inches)	
Bindweed,		
field (seedling)	2-4	2-4
hedge (seedling)	2-4	2-4
Buckwheat	1-3	1-3
Mallow, Venice**		1-4
Morningglory,		
entireleaf**		2-4
ivyleaf**		2-4
pitted	2-4	2-4
smallflower		2-4
tall**		2-4
Ragweed, common**		2-5
Sida, prickly	2-4	2-4
Sowthistle, annual	2-4	2-4
Thistle, Canada	2-5	2-5

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide followed by a postemergence application of RAPTOR herbicide at a broadcast rate of 4 fluid ounces per acre.

**For control see the 5 ounce rate and HERBICIDE COMBINATION section.

GRASS WEEDS CONTROLLED BY RAPTOR® HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM

	Application Rate	
	RAPTOR Postemergence Alone	**PROWL 3.3 EC Soil Applied Followed by RAPTOR Postemergence**
	5 oz./A	**4 oz./A**
	Weed Size (inches)	
Barley, wild	2-4	2-4
Barnyardgrass	2-5**	2-5
Crabgrass,		
large		2-4
smooth		2-4
Crowfoot grass		2-5
Cupgrass, woolly		2-4
Foxtail,		
giant	2-6	2-6
green	2-6	2-6
yellow	2-6	2-6
Goosegrass		2-5
Johnsongrass, seedling	4-8	4-8
Millet, wild prose	2-4**	2-4
Oats, wild	2-6	2-6
Panicum,		
fall	2-6	2-6
Texas		2-6
Sanbur, field***	2-8	2-8
Signalgrass, broadleaf	2-5**	2-5
Shattercane	2-8	2-8
Volunteer corn****	2-8	2-8
Volunteer wheat		
(non-CLEARFIELD)	2-4***	2-4
Witchgrass		2-5

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide followed by a postemergence application of **RAPTOR** herbicide rate of 4 fluid ounces per acre.

**Control of light to moderate populations only. For control of heavier populations use a SEQUENTIAL APPLICATION with a soil applied grass herbicide as described above.

***For control a dinitroaniline (DNA) herbicide such as PROWL® 3.3 EC herbicide must be soil applied at a full-labeled rate.

****Except imidazolinone tolerant corn.

BROADLEAF WEEDS SUPPRESSED BY RAPTOR® HERBICIDE ALONE, OR IN A SEQUENTIAL* PROGRAM (Continued)

	Application Rate	
	RAPTOR Postemergence Alone	**PROWL 3.3 EC Soil Applied Followed by RAPTOR Postemergence**
	5 oz./A	**4 oz./A**
	Weed Size (inches)	
Crabgrass,		
large	2-4	
smooth	2-4	
Cupgrass	2-4	
Goosegrass		2-5
Itchgrass		2-5
Johnsongrass rhizome	6-12	6-12
Quackgrass		4-8
Red rice		2-5
Stinkgrass	2-4	
SEDGES		
Nutsedge,		
purple	1-3	1-3
yellow	1-3	1-3

*Soil applied grass herbicide such as PROWL 3.3 EC herbicide followed by a postemergence application of RAPTOR herbicide at a broadcast rate of 4 fluid ounces per acre.

HERBICIDE COMBINATIONS

GRASS WEEDS

Use a soil applied grass herbicide (such as PROWL 3.3 EC herbicide) if heavy infestations of some grass weeds exist or if **RAPTOR** herbicide does not control the species present. Refer to the PROWL 3.3 EC (or other grass herbicide) label for specific use recommendations, rates and precautions.

Roundup[3] Ultra, may be tank-mixed with **RAPTOR** to aid in control of certain grasses only in Roundup[3] Ready Soybeans. Other glyphosate containing products registered for use on Roundup Ready soybeans may be substituted for Roundup Ultra. See the Roundup Ultra label (or other product labels) for rates and weeds controlled. DO NOT tankmix **RAPTOR** with EXTREME® or BACKDRAFT® herbicides. If a selective postemergence grass herbicide such as Poast® Plus, is mixed with **RAPTOR** to control species that are not controlled with **RAPTOR** alone, include a methylated seed oil, or a crop oil concentrate (1-2 gallons per 100 gallons) AND liquid fertilizer (2.5 gallons per 100 gallons) should be added to the tank-mixture. In some cases the activity of the grass herbicide may be reduced when mixed with **RAPTOR**. The reduction in activity may be overcome by delaying the application of the postemergence grass herbicide 7 days following the application of **RAPTOR**.

If the postemergence grass herbicide is applied first, wait 3 days before applying **RAPTOR®**. Refer to the respective grass herbicide label for recommended application rate, weed size and restrictions.

BROADLEAF WEEDS

Roundup® Ultra, may be tank-mixed with **RAPTOR** to aid in control of certain broadleaf weeds only in Roundup Ready Soybeans. See the Roundup Ultra label for rates and weeds controlled.

Tank-mixing **RAPTOR** and certain broadleaf herbicides (e.g. diphenylethers and Basagran®), can reduce grass control, therefore a sequential program including a soil applied grass herbicide such as PROWL® 3.3 EC is recommended for optimal control.

Enhanced control of ragweed species, Palmer amaranth, waterhemp, and Kochia.

Use a soil application of PROWL® 3.3 EC herbicide followed by a postemergence application of **RAPTOR** herbicide at a broadcast rate of 4 to 5 fluid ounces per acre plus a diphenylether such as ULTRA BLAZER®, (acifluorfen) or Roundup® Ultra for enhanced control of ragweeds, Palmer amaranth, waterhemp, and kochia. Refer to the PROWL® 3.3 EC and ULTRA BLAZER® or Roundup® Ultra, labels for specific use recommendations, rates, restrictions and precautions.

When tank-mixing **RAPTOR** and ULTRA BLAZER®, apply **RAPTOR** at a broadcast rate of 5 fluid ounces per acre or 4 fluid ounces per acre when preceded by a full rate of a registered soil applied grass herbicide. Apply ULTRA BLAZER at the following rates depending on weed height:

ULTRA BLAZER Rate (ounces per acre)*

Weed	8-10 oz.	12-14 oz.	16-20 oz.
Ragweed spp.	2-4"	4-6"	6-8"
Palmer amaranth	2-4"	4-6"	6-8"
Waterhemp spp.	2-4"	4-6"	6-8"
Kochia	2-4"	4-6"	6-8"

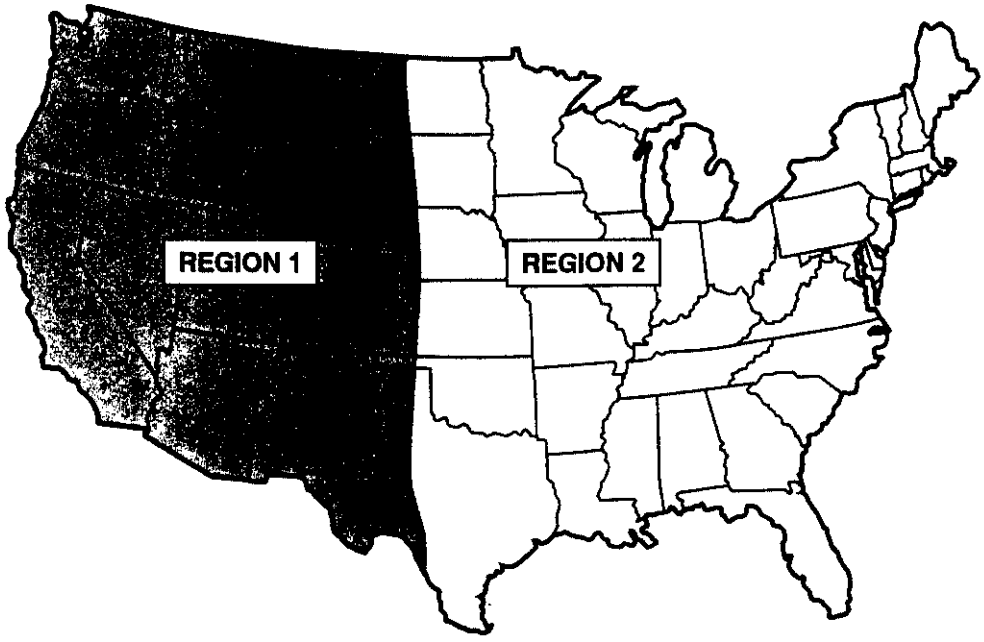
*Use the higher rate if common ragweed is present or the weed population is high.

Enhanced control of common ragweed and giant ragweed.

Firstrate®, may be tank-mixed with **RAPTOR** to aid in the control of common ragweed and giant ragweed. When tank-mixing Firstrate with **RAPTOR**, apply 0.15 to 0.3 ounces per acre of Firstrate. Use the higher rate when weeds approach maximum labeled size. See the Firstrate label for recommended rates and precautions.

ROTATIONAL CROP GUIDELINES

Rotational crops may be planted after applying the recommended rate of RAPTOR herbicide in the regions as indicated below. Planting earlier than the recommended interval may result in crop injury.



Region 1 consists of states and parts of states WEST of U.S. Highway 83. (Arizona, California, Idaho, Oregon, Washington, Utah, Nevada, New Mexico, Wyoming, Montana, Colorado, and western parts of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma and Texas.)

Region 2 consists of states and parts of states to the EAST of U.S. Highway 83. (Includes the Eastern parts of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Texas, and the states to the east of these states.)

Rotational Interval (months) Following an Application of RAPTOR® Herbicide

Plant-back Interval (Months)	Region 1	Region 2
Anytime	CLEARFIELD canola CLEARFIELD wheat Edible legumes soybeans	CLEARFIELD canola CLEARFIELD wheat Edible legumes soybeans
Three months	Alfalfa Wheat (non–CLEARFIELD)	Alfalfa Wheat (non–CLEARFIELD)
Four months	Rye	Rye
Eight and one-half months	Corn (field, pop, seed, sweet, CLEARFIELD)	Corn (field, pop, seed, sweet, CLEARFIELD)
Nine months	Barley* Peanut Cantaloupe Pumpkin Cotton Rice Grain Sorghum Squash Lettuce Sunflower Millets Tobacco Oat Watermelon Onion	Broccoli Peanut Cabbage Pepper Cantaloupe Potato Carrot Pumpkin Cotton Rice Cucumber Squash Grain Sorghum Sunflower Lettuce Tobacco Millets Tomato Oat Turnip Onion Watermelon
Eighteen months	Barley* Pepper Broccoli Potato Cabbage Tomato Carrot Turnip Cucumber **All other crops not listed in the ROTATIONAL CROP guideline**	Canola Condiment Mustard Sugarbeet** Table beet** **All other crops not listed in the ROTATIONAL CROPS guideline**
Twenty-six months	Sugarbeet Canola Condiment Mustard Table beet	Sugarbeet** Table beet**

*In **Region 1**, refer to the following table for guideline for planting barley following applications of **RAPTOR** herbicide.

Barley Rotational Interval Based on pH, Moisture and Tillage (Region 1)

		Moldboard plowing?	
		NO	YES
pH and Rainfall Requirements	**>18" R+I AND pH >6.2**	9 months	9 months
	<18" R+I OR pH <6.2	18 months	9 months

R+I = Rainfall and overhead irrigation from the time of **Raptor** application to barley planting. **Does not include furrow or flood irrigation.**

If the rainfall or pH requirements are not fully met, and barley is planted prior to 18 months, injury may be reduced by tillage, such as deep disking (greater than 6 inches deep) after crop harvest but prior to November 1.

In **Region 2, sugarbeetand table beets can be planted eighteen months following an application of RAPTOR if the soil pH is uniformly 6.2 or greater. If the soil pH is less than 6.2, the rotational interval is 26 months. Sugarbeetyields can be reduced when grown in soil conditions with a pH less than 6.2. If the soil is limed to adjust the soil pH, apply the lime at least 18

months prior to planting sugarbeetor other rotational crops under the 18 month rotational interval.

When taking soil samples to determine soil pH, utilize a grid sampling technique, sampling to a depth of 3-4 inches.

Furrow and Flood Irrigated Crops

Following harvest of furrow or flood irrigated crops, the soil should be thoroughly mixed by plowing or deep disking in order to minimize the potential for herbicide carryover to the following crop.

Use of **RAPTOR** 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, such as arid conditions, make it impossible to eliminate all risks associated with the use of this product and, therefore, rotational crop injury is always possible.

GENERAL PRECAUTIONS

In the event of a crop loss due to weather, edible legumes, CLEARFIELD canola, CLEARFIELD wheat, or soybeans can be replanted. Do not make an additional application of RAPTOR.

Application of products containing chlorimuron ethyl (Classic™, Canopy®, Synchrony™, Gemini™, Lorox Plus®, Preview™, etc.), metsulfuron-methyl (Harmony™, Extra™), flumetsulam (Broadstrike + Dual, Broadstrike + Treflan), imazaquin (SCEPTER®, SQUADRON®, TRI-SCEPT®, SCEPTER® O.T., SCEPTER® 70DG, or imazethapyr (PURSUIT®, PURSUIT® DG, PURSUIT® PLUS® EC) the same year as RAPTOR may increase the risk of injury to sensitive rotational crops. Consult all pertinent labels for recommended uses of these products in combinations.

If arid conditions occur during the year of application rotational crop injury may occur.

Backdraft, Basagran, Cadre, CLEARFIELD, Extreme, Poast, Poast Plus, Prowl 3.3 EC, Rezult, Scepter, Squadron, Tri-Scept, Scepter O.T., Pursuit, Pursuit DG, Pursuit Plus EC, and Raptor are registered trademarks of BASF AG.

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