



241-379

03/12/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

MAR 12 2001

Mr. Mark W. Galley  
BASF Corporation  
P.O. Box 400  
Princeton, NJ 08542-0400

Dear Mr. Galley:

Subject: Label Amendment: BAS 720 Herbicide-Alternate Brand Name  
for Use on Clearfield Wheat for Seed Propagation in  
Arizona, Colorado, Minnesota, Montana, North Dakota and  
Washington  
(RAPTOR Herbicide)  
EPA Reg. No. 241-379  
Your submission dated January 10, 2001

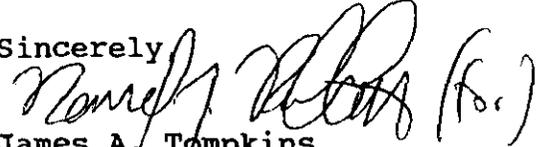
The Agency is conditionally approving an amendment to the registration of RAPTOR Herbicide (EPA Reg. No. 241-379) under the authority of section 3(c)(7)(B) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). This amendment allows use of the subject product under the alternate brand name "BAS 720 Herbicide" on Clearfield wheat for the purpose of wheat seed propagation only. This amendment will expire automatically on December 31, 2002. Sale or distribution of the subject product bearing labeling for this use on Clearfield wheat after December 31, 2002 will be illegal.

Please incorporate the following comments:

1. Ensure that a maximum rate of application is specified by acre per year.
2. The labeling must specify which surfactants are being used and the surfactants must be EPA approved for food use.
3. Under the heading, Aerial Application, remove "Note: Do not apply by air in California."

A copy of the label stamped "Accepted with Comments" is enclosed for your records. Please submit one copy of the final printed label before you release the product for shipment.

Sincerely,

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

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Container Front Label

# BAS 720 herbicide

## FOR USE ON CLEARFIELD\* WHEAT

### FOR WHEAT SEED PROPAGATION IN ARIZONA, COLORADO, MINNESOTA, MONTANA, NORTH DAKOTA AND WASHINGTON

**DO NOT USE SEED FOR FOOD OR FEED. HARVESTED SEED MUST BE DESTROYED OR IDENTITY PRESERVED AND STORED SEPARATELY FROM WHEAT INTENDED FOR FOOD PURPOSES IN A SECURED STORAGE FACILITY UNTIL RELEASED FOR BREEDING PURPOSES OR SEED PRODUCTION. ALL STRAW AND SEED SCREENINGS MUST BE DESTROYED.**

#### 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)

EPA Reg. No. 241-379

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

EPA Est. No.

### 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 day or night 800-832-HELP.**

**See Back for Additional Precautionary Statements**

Net Contents: 1 Gallon

\*Trademark of BASF

NVA 2001-05

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

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**  
**MAR 12 2001**

# BASF

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

**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):**

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- 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.

<p><b>User Safety Recommendations:</b></p> <p>Users Should:</p> <ul style="list-style-type: none"> <li>- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.</li> <li>- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> </ul>
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**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.

<p><b>AGRICULTURAL USE REQUIREMENTS</b></p> <p>Use this product only in accordance with its labeling and with the Worker Protection Standard, 40CFR part 170. Refer to leaflet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.</p>
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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. **See Leaflet for Complete Directions for Use.**

**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. **See Leaflet for Disclaimer**

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ACCEPTED  
with COMMENTS  
In EPA Letter D-2001

MAR 12 2001

# BAS 720 herbicide

FOR USE ON CLEARFIELD\* WHEAT

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

FOR WHEAT SEED PROPAGATION IN ARIZONA, COLORADO, MINNESOTA, MONTANA, NORTH DAKOTA AND WASHINGTON

THIS LABEL EXPIRES DECEMBER 31, 2001

DO NOT USE SEED FOR FOOD OR FEED. HARVESTED SEED MUST BE DESTROYED OR IDENTITY PRESERVED AND STORED SEPARATELY FROM WHEAT INTENDED FOR FOOD PURPOSES IN A SECURED STORAGE FACILITY UNTIL RELEASED FOR BREEDING PURPOSES OR SEED PRODUCTION. ALL STRAW AND SEED SCREENINGS MUST BE DESTROYED.

### 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)

EPA Reg. No. 241-379

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

**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 Inside for Additional Precautionary Statements**

**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):**

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- 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.

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

DO NOT apply BAS 720 in any manner not specifically described in this label.

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

When applied by either land or air, BAS 720 spray drift or other indirect contact may injure sensitive crops, including non-imidazolinone tolerant wheat or canola, sugarbeets, and leafy vegetables.

... application of the herbicide at the time of application

Leaflet

Spray equipment used for BAS 720 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 BAS 720 herbicide. Do not use BAS 720 other than in accordance with the instructions set forth on this label. The use of BAS 720 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. 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
- waterproof gloves
- 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 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.

**SEED DISPOSAL:** To dispose of out-of-date or otherwise unmarketable seed from plants which have been treated with BAS 720 herbicide, broadcast and lightly incorporate in field soils using disc or other suitable implement. Any resulting crop may be destroyed by chemical or mechanical means. Alternately, seed may be destroyed by deep burial, incineration or landfill disposal.

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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 BAS 720 USER AND/OR GROWER ON THE BASIS OF POSSIBLE CROP INJURY FROM BAS 720, 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 BAS 720 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 BAS 720 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

BAS 720 herbicide can be applied postemergence to CLEARFIELD wheat (imidazolinone tolerant wheat) for control of susceptible wheat "segregates" or weeds. Apply BAS 720 only on selected wheat varieties labeled as "CLEARFIELD" and warranted by the seed company to possess tolerance to direct application of certain imidazolinone herbicides. DO NOT apply BAS 720 to wheat varieties which lack tolerance to imidazolinone herbicides as BAS 720 will kill all non-imidazolinone tolerant varieties. This product should not be applied in fields intentionally planted with non-imidazolinone tolerant wheat. Contact your seed supplier, chemical dealer or BASF to obtain information regarding imidazolinone tolerant wheat varieties.

BAS 720 herbicide kills weeds by foliage and/or roots uptake and rapid translocation to the growing points. After BAS 720 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 BAS 720 activity. When adequate soil moisture is present, BAS 720 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.

An adjuvant (either a surfactant or a crop oil concentrate) with or without a liquid fertilizer solution must be added to the spray solution for optimum weed control activity. See the ADJUVANTS section under MIXING INSTRUCTIONS for specific instructions.

Use of BAS 720 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, shortening and/or temporary yellowing of crop plants may occur following BAS 720 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 BAS 720, the field may be replanted to CLEARFIELD wheat. Rework the soil no deeper than 2 inches. DO NOT apply a second treatment of BAS 720.

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<sup>1</sup>, Canvas<sup>1</sup>, Express<sup>1</sup>, Finesse<sup>1</sup>, Glean<sup>1</sup>, Harmony<sup>1</sup>, Harmony<sup>1</sup> Extra, Peak<sup>2</sup>, Rave<sup>2</sup>, etc). If naturally occurring ALS/AHAS resistant biotypes are present in a field, BAS 720 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.

Leaflet

**MIXING INSTRUCTIONS**

POSTEMERGENCE APPLICATIONS OF BAS 720 REQUIRE THE ADDITION OF AN ADJUVANT. A NITROGEN FERTILIZER SOLUTION MAY BE ADDED.

**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 quart per 100 gallons of spray solution. An organo-silicone surfactant may be used in place of a non-ionic surfactant.

**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 BAS 720 herbicide. Add BAS 720 to the spray tank while agitating. Add adjuvants and fill the remainder of the tank with water.

**NOTE:** Do not apply BAS 720 in liquid fertilizer as the carrier.

**TANK MIX COMBINATIONS WITH OTHER HERBICIDES**

If other herbicides or other spray tank components are tank-mixed with BAS 720, 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 BAS 720 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 (except in California).
- 9) While agitating, fill the remainder of the tank with water.

To avoid injury to sensitive crops, spray equipment used for BAS 720 applications must be drained and thoroughly cleaned with water before being used to apply other products.

When BAS 720 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. BAS 720 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 sugar beet.

**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 BAS 720 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**

BAS 720 may be applied with a low volume (Spra-Coupe<sup>11</sup>-type) sprayer. When applying BAS 720 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.

Leaflet

When applying BAS 720 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**

BAS 720 herbicide may be applied by air to all crops listed on this label. NOTE: DO NOT apply by air in California.

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. Apply a non-ionic surfactant at the rate of 1 quart per 100 gallons of spray solution OR a crop oil concentrate at the rate of 1.25 gallons per 100 gallons of spray solution AND a nitrogen fertilizer solution at the rate of 2.5 gallons per 100 gallons of spray solution. (See instructions under MIXING INSTRUCTIONS).

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

- Nozzle height above ground must be a maximum of 10 feet.
- Nozzles must be pointed 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 5 mph.
- Coarse sprays (larger droplets) are less likely to drift.

Applicator is responsible for any loss or damage which results from spraying BAS 720 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**

BAS 720 can be applied postemergence on CLEARFIELD wheat (imidazolinone tolerant wheat) varieties. Apply only on selected spring or winter wheat varieties labeled as "CLEARFIELD" and warranted by the seed company or public institution to possess resistance/tolerance to direct application of certain imidazolinone herbicides. DO NOT apply BAS 720 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.

**USE BAS 720 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.

**Apply BAS 720 herbicide as an early postemergence treatment when weeds are actively growing and before they exceed a height of 3 inches** (unless otherwise indicated). BAS 720 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. Application timing should be based on weed size and crop growth stage. Apply BAS 720 to CLEARFIELD wheat varieties when actively growing and prior to the jointing stage of growth.

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**Leaflet**

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

When BAS 720 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. BAS 720 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.

When adequate soil moisture is present, BAS 720 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.

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.

BAS 720 should be applied a minimum of one hour before rainfall or overhead irrigation.

**USE RATE**

For control of susceptible wheat "segregates" or for broad spectrum weed control, apply BAS 720 at the rates indicated below:

**WINTER WHEAT**

4-6 fluid ounces of product per acre

**SPRING WHEAT**

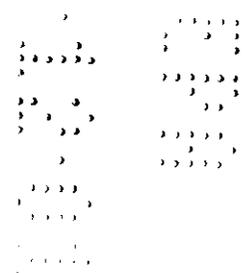
3-4 fluid ounces of product per acre

See the WEEDS CONTROLLED section for specific rates, depending on weeds species to control.

Use this product ONLY on CLEARFIELD wheat varieties as BAS 720 herbicide will kill all non-imidazolinone tolerant varieties.

An adjuvant must be added to the spray solution for optimum weed control activity. A nitrogen fertilizer may also be added to enhance control. See the ADJUVANTS section under MIXING INSTRUCTIONS for specific instructions.

BAS 720 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.



**WEEDS CONTROLLED - WINTER WHEAT**

BAS 720 will control or suppress the weeds listed below when applied to WINTER WHEAT postemergence at the recommended rates listed below.

**BROADLEAF WEEDS CONTROLLED BY BAS 720**

	Application Rate		
	4 fluid oz./A	5 fluid oz./A	6 fluid oz./A
Maximum Weed Size (inches)			
Bedstraw	3	3	3
Wild beet	3	3	3
Buckwheat, wild			3
Canola, volunteer	3	4	5
Chickweed, common	3	3	3
Cocklebur, common	3	3	3
Fiddleneck			3
Filaree,			
Redstem			3
Whitestem			3
Henbit			3
Knotweed, prostrate		3	3
Kochia*		3	3
Lambsquarters, common	3**	3	3
Lettuce, miners		3	3
Jimsonweed	3	3	3
Mallow,			
Common			3
Venice			3
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
Pennycress, field	3	3	3
Pigweed,			
Redroot	3	4	5
Smooth	3	4	4
Spiny	3	3	3
Purslane, common			3
Radish, wild	3	3	3

\*BAS 720 control non-ALS resistant kochia only.

\*\*BAS 720 controls common lambsquarters at 4 oz./A East of the Rocky Mountains.

**BROADLEAF WEEDS CONTROLLED BY BAS 720 (Continued)**

	Application Rate		
	4 fluid oz./A	5 fluid oz./A	6 fluid oz./A
	Maximum Weed Size (inches)		
Rocket, London		4	5
Shepherdspurse	3	4	5
Smartweed,			
Ladysthumb	3	3	3
Pennsylvania	3	3	3
Swamp		3	3
Spurge, prostate		3	3
Tansymustard, green	3	3	4
Thistle, Russian		3	3
Velvetleaf	3	4	5

**BROADLEAF WEEDS SUPPRESSED BY BAS 720 APPLICATIONS**

Dandelion		3
Ragweed,		
Common		3
Giant		3
Redstem		3
Thistle, Canada		3

**GRASS WEEDS CONTROLLED BY BAS 720**

	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, downy (fall/winter application)	3	3	3
Brome,			
California	3*	3*	3*
downy	3*	3*	3*
cheat	3*	3*	3*
Japanese	3*	3*	3*
Canarygrass, littleseed		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
Oats, wild	3	3	3
Ryegrass, Italian	3	3	3
Rye, feral or cereal		3	3
Shattercane	3	4	5

**GRASS WEEDS SUPPRESSED BY BAS 720 APPLICATIONS**

Johnsongrass, rhizome	3
Sedges	
Purple	3
Yellow	3
Quackgrass	3

\*Bromes species that emerge in the fall can be controlled with BAS 720 applications at 4 oz./A applied in the fall. Apply 4 oz./A in the spring to weeds that germinate in the spring. If applications are made in the spring to these weeds that emerge in the fall, apply BAS 720 at least 5 oz./A.

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**WEEDS CONTROLLED - SPRING WHEAT**

BAS 720 will control or suppress the weeds listed below when applied to SPRING WHEAT postemergence at the recommended rates listed below.

**BROADLEAF WEEDS CONTROLLED BY BAS 720**

	Application Rate	
	3 fluid oz./A	4 fluid oz./A
	Maximum Weed Size (inches)	
Mustard,		
tumble	3	3
wild	3	3
black	3	3
Pennycress, field	3	3
Pigweed,		
Redroot	3	4
Smooth	3	4
Spiny	3	3
Radish, wild	3	3
Shepherdspurse	3	4
Tansymustard, green	3	3

**GRASS WEEDS CONTROLLED BY BAS 720**

	Application Rate	
	3 fluid oz./A	4 fluid oz./A
	Maximum Weed Size (inches)	
Brome,		
California	3	3
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
Jointed goatgrass	3	3
Oats, wild	3	3

**TANK MIX HERBICIDE COMBINATIONS WITH BAS 720 HERBICIDE**

**Recommended Tank Mixes For Postemergence Applications of BAS 720 on Imidazolinone Tolerant Wheat Varieties are:**

Aim <sup>4</sup>	Clarity <sup>®</sup>	Starane <sup>6</sup>
Banvel <sup>®</sup>	Curtail <sup>6</sup>	Stinger <sup>6</sup>
Bronate <sup>5</sup>	Curtail M <sup>6</sup>	
(bromoxynil - MCPA	MCPA	
Buctril <sup>5</sup>	2,4-D	

When BAS 720 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.

When broadleaf herbicides are tankmixed with BAS 720, there may be some reduction in weed control, particularly grass weeds.

**ROTATIONAL CROPS**

The following rotational crops may be planted after applying the recommended rate of BAS 720 herbicide.

- 1. **Anytime**  
 CLEARFIELD canola  
 CLEARFIELD wheat  
 Edible legumes  
 Soybeans
- 2. **Three months after a BAS 720 application:**  
 Alfalfa  
 Wheat (non-CLEARFIELD)
- 3. **Four months after a BAS 720 application:**  
 Rye
- 4. **Eight and one-half months after a BAS 720 application:**  
 Corn (field, pop, seed, sweet)
- 5. **Nine months after a BAS 720 application:**

Cabbage	Onion	Sunflower
Cantaloupe	Peanut	Tobacco
Cotton	Pumpkin	Watermelon
Grain Sorghum	Rice	
Oat	Squash	
- 6. **Eighteen months after a BAS 720 application:**

Barley	Pepper
Broccoli	Potato
Canola	Tomato
Carrot	Turnip
Cucumber	

Sugar beet and table beet if the soil pH is uniformly 6.2\* or greater  
 All other crops not listed in the ROTATIONAL CROPS guideline.
- 7. **Twenty-six months after a BAS 720 application:**  
 Sugar beet and table beet if the soil pH is less than 6.2\*

\*Sugar beet 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 sugar beets or other rotational crops under the 18 month rotational interval.

Use of BAS 720 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.

For additional information regarding the use of BAS 720 herbicide, call telephone no. 800-942-0500.

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