


264-551

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 264-551	DATE OF ISSUANCE JCT - 4 1995
	TERM OF ISSUANCE conditional	
NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide,          and Rodenticide Act, as amended)</i>	NAME OF PESTICIDE PRODUCT Buctril + atrazine Gel	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
Rhone-Poulenc P.O. Box 12014 2 T.W. Alexander Drive Research Triangle Park, N.C. 27709		
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:		
<ol style="list-style-type: none"> <li>1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) and sec. 4 when the Agency requires all registrants of similar products to submit such data.</li> <li>2. Add the phrase, "EPA Registration No. 264-551" and submit five (5) copies of your final printed labeling before you release the product for shipment.</li> <li>3. The basic formulation CSF submitted (6-6-94) corresponding to Series 62-2 requires a revision, since the total in column 17 is not correct. The NC, UCL and LCL are in accordance with 40CFR § 158.175, the UCL is excess because of overformulation.</li> </ol>		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL 		DATE 10/4/95

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4. The acute oral, dermal, eye and skin irritation studies were all TOX category III and all were classified as acceptable. The dermal sensitization study showed the product is not a dermal sensitizer. It was also classified as acceptable.

See the attached review for further recommendations and comments.

A stamped label is enclosed for your records.

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# **RESTRICTED USE PESTICIDE**

(GROUND AND SURFACE WATER CONCERNS)

For retail sale to and use only by Certified Applicators or persons directly under their supervision and only for those uses covered by the Certified Applicator's certification. This product is a restricted use herbicide due to ground and surface water concerns. Users must read and follow all precautionary statements and instructions in order to minimize potential for atrazine to reach ground and surface water.

## **BUCTRIL® + atrazine Gel**

BRAND HERBICIDE

**GEL-TEC™ WATER SOLUBLE PAKS**

**POSTEMERGENT HERBICIDE FOR CONTROL OF CERTAIN BROADLEAF WEEDS IN CORN AND SORGHUM.**

<b>ACTIVE INGREDIENT:</b>	Octanoic acid ester of bromoxynil* (3,5-dibromo-4-hydroxybenzotrile).....	<b>14.6%</b>
	Heptanoic acid ester of bromoxynil* (3,5-dibromo-4-hydroxybenzotrile).....	<b>14.1%</b>
	atrazine**.....	<b>39.8%</b>

**INERT INGREDIENTS:.....31.5%**

\*Bromoxynil octanoate and heptanoate equivalent to but not less than 2.0 pounds of bromoxynil per gallon.

\*\*Product contains 4.0 pounds of atrazine per gallon.

E.P.A. Reg. No. 264-XXX

E.P.A. Est. No. 264-??-??

### **KEEP OUT OF REACH OF CHILDREN DANGER**

#### **SHAKE WELL BEFORE USING**

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.)

For **PRODUCT USE** Information Call 1-800-334-9745.

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577.

### **STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Get medical attention. Do not induce vomiting, contains petroleum distillates. Do not give anything by mouth to an unconscious person.

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

**IF IN EYES:** Flush with water for 15 minutes. Get medical attention.

### **PRECAUTIONARY STATEMENTS**

#### **CAUTION - RESTRICTED USE**

#### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

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

#### **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 F on an EPA chemical resistant category selection chart.

Applicators and other handlers must wear coveralls over a long-sleeved shirt and long pants, chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, or viton gloves, a chemical resistant apron when cleaning equipment, protective eyewear, chemical resistant headgear for overhead exposure, and chemical resistant footwear plus socks.

## **BEST COPY AVAILABLE**

ACCEPTED  
 with COMMENTS  
 In EPA Letter Dated  
 OCT 1 1991  
 Under the Federal Insecticide,  
 Fungicide, and Rodenticide Act  
 registered under EPA Reg. No. 264-551

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

Application from a tractor with a completely enclosed cab or aerial application is required whenever this product is applied to 360 or more acres in a day. The closed systems and enclosed cabs must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)]. The handler PPE requirements may be reduced or modified as specified in the WPS.

To reduce exposure to residues, wash the spray rig, tractor, and all other equipment used to handle or apply this product with water daily or before using the equipment for any other purpose.

**DURING AERIAL APPLICATION, human flaggers are prohibited unless in enclosed vehicles. Aerial application is prohibited within 300 feet of residential areas (e.g., homes, schools, hospitals, shopping areas, etc.)**

### **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. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### **ENVIRONMENTAL HAZARDS - Caution Restricted Use**

This pesticide is toxic to wildlife and fish. Use with care when applying to areas frequented by wildlife or adjacent to any body of water. For terrestrial uses, do not apply to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment washwaters. **Atrazine is a Restricted Use Herbicide due to ground water concerns. Users must read and follow all precautionary statements and instructions on this label in order to minimize the potential for atrazine to reach ground and surface water.** Ground water contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with impermeable material. This product may not be mixed/loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sink holes. This product may not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be applied aerially or by ground within 66 feet of the points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 feet around natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 foot buffer or set-back from runoff points must be planted to a crop or seeded with grass or other suitable crop.

### **PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

### **DIRECTIONS FOR USE**

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
Read entire label before using this product.**

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 intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is coveralls over long-sleeved shirt and long pants, chemical resistant gloves such as nitrile, viton or barrier laminate, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure and protective eyewear.

## STORAGE AND DISPOSAL

### STORAGE

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

Do not store near fertilizers or seeds. Store in a cool, dry place above 32° F. Do not store this product under wet conditions.

### PESTICIDE DISPOSAL

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

**CONTAINER DISPOSAL** Do not reuse outer bag. Dispose of outer bag in a sanitary landfill, by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## GENERAL INFORMATION

**BUCTRIL® + atrazine Gel** is formulated as a mixture product of octanoic acid and heptanoic acid esters of bromoxynil containing the equivalent of 2.0 pounds of bromoxynil per gallon plus 4.0 pounds of atrazine per gallon. **BUCTRIL® + atrazine Gel** is packaged in 5 pint water soluble bags. Each water soluble bag contains 1.25 lb of bromoxynil active ingredient and 2.5 lb of atrazine active ingredient.

**BUCTRIL® + atrazine Gel** is a selective postemergence herbicide for control of important broadleaf weeds infesting corn (field and pop), and sorghum (grain and forage). Optimum weed control is obtained when **BUCTRIL® + atrazine Gel** is applied to actively growing weed seedlings. **BUCTRIL® + atrazine Gel** is primarily a contact herbicide, therefore thorough coverage of the weed seedlings is essential for optimum control. **BUCTRIL® + atrazine Gel** has limited residual activity. However, dependent on weather conditions following application, subsequent flushes of weeds may not be controlled by the initial treatment.

Occasional transitory leaf burn may occur. The temporary leaf burn is similar to that seen with liquid fertilizer. Because the activity of **BUCTRIL® + atrazine Gel** is not systemic, recovery of the crop is generally rapid with no lasting effect.

## MIXING, LOADING AND HANDLING INSTRUCTIONS

**GENERAL HANDLING INSTRUCTIONS:** Each BUCTRIL® GEL water soluble bag comes sealed in a clear plastic outer sleeve. Do not break the seal until the time of use. To use, open the end of the outer sleeve by tearing along the printed solid black line. Do not use a knife or other sharp object to break the seal. Once the outer protective sleeve is open, the water soluble bag inside can be dropped into the spray tank at the appropriate time without touching it.

**BUCTRIL® + ATRAZINE GEL ALONE:** Begin filling the spray tank with clean water. When bottom of spray tank is covered with water to a depth of 6-8 inches, add the recommended number of BUCTRIL® GEL soluble bags. Avoid dropping the soluble bags into the tank in such a way that the bags end up covering the recirculation and outlet holes. After adding bags, continue to fill tank with water. **Allow 3-4 minutes after dropping bags into the tank for bags to dissolve before starting agitation.** Tank should be at least 1/2 full when agitation is started. Continue adding water to tank to achieve the desired level. Maintain sufficient agitation to ensure a uniform spray mixture during application.

**BUCTRIL® + atrazine Gel -TANK MIXTURES:** Begin filling the spray tank with clean water. When bottom of spray tank is covered with water to a depth of 6-8 inches, add the recommended number of BUCTRIL® GEL soluble bags. After adding bags, continue to fill tank with water. **Allow 3-4 minutes after dropping bags into the tank for bags to dissolve before starting agitation.** Tank should be at least 1/2 full when agitation is started. Add the recommended amount of wettable powder, soluble powder, flowable, EC or soluble liquid product to be tankmixed to the spray tank. Continue adding water to tank to achieve the desired level, while maintaining agitation.

**BUCTRIL® + atrazine Gel -WITH SPRAY ADDITIVES:** Begin filling the spray tank with clean water. When bottom of spray tank is covered with water to a depth of 6-8 inches, add the recommended number of **BUCTRIL® + atrazine Gel** soluble bags. After adding bags, continue to fill tank with water. **Allow 3-4 minutes after dropping bags into the tank for bags to dissolve before starting agitation.** Tank should be at least 1/2 full when agitation is started. Add the recommended amount of spray additive such as a surfactant or crop oil concentrate. Continue adding water to tank to achieve the desired level. If **BUCTRIL® + atrazine Gel** is to be tankmixed with another dry or liquid pesticide formulation as well as a spray additive, add the spray additive to the tank last, then fill tank to desired level while maintaining agitation.

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CAUTION: Spray additives can increase foliage leaf burn when applied with **BUCTRIL® + atrazine Gel**. Do not tankmix spray additives with **BUCTRIL® + atrazine Gel** if leaf burn is a major concern due to environmental conditions, crop or variety sensitivity to **BUCTRIL® + atrazine Gel**.

**HANDLING PRECAUTIONS**

- Do not allow the empty outer sleeve or the tear-strip to fall into the spray tank as they are not water soluble and may clog the sprayer.
- Do not handle the inner bag with wet gloves as the bag will begin to dissolve on contact with even a small amount of water.
- Do not open the inner bags or attempt to remove the gel from them. The gel is not designed to be re-measured or subdivided.
- The PVA bag should not be opened and partial bag not used for a tankmix.
- The entire contents of the water soluble bag must be used.

**APPLICATION PROCEDURES**

**BUCTRIL® + atrazine Gel** can be applied to registered use areas by ground, and aerial application equipment. Do not apply this product through any type of irrigation system.

**GROUND APPLICATION**

Use a standard herbicide boom sprayer that provides uniform and accurate application. Sprayer should be equipped with screens no finer than 50 mesh in the nozzle tips and in-line strainers.

Select a spray volume and delivery system that will ensure thorough and uniform spray coverage. For optimum spray distribution and thorough coverage use of flat fan nozzles (maximum tip size 8008) with a minimum spray pressure of 30 psi at the nozzle tips are recommended. Other nozzle types that produce coarse spray droplets may not provide adequate coverage of the weeds to ensure optimum control. Raindrop® nozzles are not recommended as weed control with **BUCTRIL® + atrazine Gel** may be reduced. In general a minimum spray volume of 10 gallons per acre (GPA) is recommended for optimum spray coverage. A minimum of 5 GPA with a minimum spray pressure of 50 psi may be used with higher speed, low volume ground application if ground terrain, crop and weed density allow effective spray distribution. When using higher speed equipment a maximum speed of 10 mph is suggested if field conditions cause excessive boom movement during application and subsequent poor spray coverage. Ground applications made when dry, dusty field conditions exist may provide reduced weed control in wheel track areas.

When weed infestations are heavy, use of higher spray volumes and spray pressure will be helpful in obtaining uniform weed coverage. When corn or grain sorghum are large enough to interfere with the spray pattern, drop nozzles should be used to obtain uniform weed coverage. Do not apply when winds are gusty or when other conditions favor poor spray coverage and/or off target spray movement.

**AERIAL APPLICATION**

Use orifice discs, cores and nozzle types and arrangements that will provide for optimum spray distribution and maximum coverage. In general a minimum spray volume of 5 GPA and a maximum pressure of 40 psi are recommended. A minimum spray volume of 3 GPA may be used if crop canopy and weed density allow adequate spray coverage at that gallonage.

Do not apply during inversion conditions, when winds are gusty or when other conditions favor poor spray coverage and/or off target spray movement. Off target spray movement can be minimized by increasing the spray volume per acre and not applying when winds exceed 10 mph.

**CULTIVATION**

When properly utilized, timely cultivations may aid overall weed control efforts as well as crop growth. However, cultivation BEFORE or DURING **BUCTRIL® + atrazine Gel** applications may place target weeds under stress, resulting in erratic weed control. Whenever **BUCTRIL® + atrazine Gel** is being utilized in an overall weed control program, plan to postpone any anticipated cultivations until 5-7 days after application to ensure best performance.

## NUMBER OF **BUCTRIL® + ATRAZINE GEL** PAKS TO USE

- Directions:
- 1) Select the desired **BUCTRIL® + atrazine GEL** use rate.
  - 2) Select numbers of acres to be treated from the columns below.
  - 3) The number of gel paks needed is listed in the far left hand column.

	<b>BUCTRIL® + ATRAZINE GEL RATE TO USE PER ACRE</b>		
	<b>3/4 PINT (12 OUNCES) (EQUAL TO 1 1/2 PINTS BUCTRIL® + ATRAZINE LIQUID)</b>	<b>1 PINT (16 OUNCES) (EQUAL TO 2 PINTS BUCTRIL® + ATRAZINE LIQUID)</b>	<b>1 1/2 PINTS (24 OUNCES) (EQUAL TO 3 PINTS BUCTRIL® + ATRAZINE LIQUID)</b>
<b>NUMBER OF BUCTRIL® GEL PAKS TO USE</b>	<b>ACRES TREATED</b>		
1	6 2/3	5	3 1/3
2	13 1/3	10	6 2/3
3	20	15	10
4	26 2/3	20	13 1/3
5	33 1/3	25	16 2/3
6	40	30	20
7	46 2/3	35	23 1/3
8	53 1/3	40	26 2/3
9	60	45	30
10	66 2/3	50	33 1/3

### MIXING INSTRUCTIONS

1. Fill spray tank with 6 to 8 inches of water.
2. Tear outer sleeve containing the **BUCTRIL® + atrazine GEL** soluble pak where indicated by arrow.
3. Slide **BUCTRIL® + atrazine GEL** soluble pak out of sleeve and drop into spray tank. Do not agitate yet.
4. Resume filling spray tank with water, allowing 3 to 4 minutes for soluble pak(s) to dissolve.
5. Begin agitation and complete filling tank with water.

## CORN (FIELD AND POP) AND SORGHUM (GRAIN AND FORAGE)

### BUCTRIL® + ATRAZINE GEL RECOMMENDATIONS

Postemergence application to corn and sorghum must be made before corn and sorghum reaches 12 inches in height.

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
<b>BUCTRIL® + atrazine Gel</b>	Preemergence 3/4 - 1 1/2 pints/A	Apply to corn or sorghum before planting until just prior to crop emergence.	See APPLICATION RATE TABLE for list of weeds and corresponding maximum stage of growth that are controlled by <b>BUCTRIL® + atrazine Gel Herbicide</b> at 3/4, 1 or 1 1/2 pints/A.
	3/4 - 1 pint/A	Apply to corn after emergence but before corn is 12 inches tall.  Apply to sorghum between the 3 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first.	
	1 1/2 pints/A	Apply to corn between the 4 leaf stage but before corn is 12 inches tall.  Apply to sorghum between the 4 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first.	



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## APPLICATION RATE TABLE FOR CORN AND SORGHUM

WEED SPECIES		BUCTRIL® + ATRAZINE GEL RATE					
		3/4 Pints/A		1 Pints/A		1 1/2 Pints/A	
When determining leaf stage, count all leaves except cotyledonary leaves.		MAXIMUM LEAF STAGE (INCHES)	MAXIMUM WEED HEIGHT (INCHES)	MAXIMUM LEAF STAGE (INCHES)	MAXIMUM WEED HEIGHT (INCHES)	MAXIMUM LEAF STAGE (INCHES)	MAXIMUM WEED HEIGHT (INCHES)
Black nightshade	(Solanum nigrum)	4	4	6	6	6	6
Buffalobur	(Solanum rostratum)	4	4	6	4	6	4
Burcucumber	(Sicyos angulatus)	-	-	4	4	4	4
Common cocklebur	(Xanthium pensylvanicum)	6	8	8	10	10	12
Common Lambsquarters	(Chenopodium album)	-	6	-	10	-	12
Common ragweed	(Ambrosia artemisiifolia)	6	4	8	6	8	6
Eastern black nightshade	(Solanum ptycanthum)	4	4	6	6	6	6
Entireleaf morningglory	(Ipomoea hederacea)	-	-	4	3	4	3
Giant ragweed	(Ambrosia trifida)	4	6	6	8	6	8
Hemp sesbania	(Sesbania exaltata)	4	4	4	4	4	4
Ivyleaf morningglory	(Ipomoea hederacea)	3	3	4	4	4	4
Jimsonweed	(Datura stramonium)	4	4	6	6	6	6
Kochia	(Kochia scoparia)	-	2	-	2	-	4
Ladysthumb	(Polygonum persicaria)	4	4	6	6	8	8
Palmleaf morningglory	(Ipomoea wrightii)	-	-	4	3	4	3
Pennsylvania smartweed	(Polygonum pensylvanicum)	4	4	6	6	8	8
Pitted morningglory	(Ipomoea lacunosa)	3	3	4	4	4	4
Prickly sida	(Sida spinosa)	-	-	4	1	6	2
Puncturevine	(Tribulus terrestris)	-	-	-	-	6	-
Purple morningglory	(Ipomoea muricata)	-	-	2	3	2	3
Redroot pigweed <sup>1</sup>	(Amaranthus retroflexus)	4	2	6	4	8	6
Small flower morningglory	(Jacquemontia tamnifolia)	-	-	4	3	4	3
Smooth pigweed <sup>1</sup>	(Amaranthus hybridus)	4	2	4	2	6	4
Spiny pigweed <sup>1</sup>	(Amaranthus spinosus)	4	2	6	4	8	6
Sunflower	(Helianthus annuus)	6	8	8	10	10	12
Tall morningglory	(Ipomoea purpurea)	3	3	4	4	4	4
Tall waterhemp <sup>1</sup>	(Amaranthus tuberculatus)	4	2	6	4	8	6
Toothed spurge	(Euphorbia dentata)	-	-	4	4	4	4
Velvetleaf	(Abutilon theophrasti)	4	3	6	5	8	6
Venice mallow	(Hibiscus trionum)	4	2	4	2	4	2
Wild Buckwheat	(Polygonum convolvulus)	6	8	8	10	10	12
Wild mustard	(Sinapis arvensis)	4	4	4	4	4	4
<b>WEED SUPPRESSED</b>							
Canada Thistle	(Cirsium arvense)	Not Recommended		8 Inch To Bud Stage		8 Inch To Bud Stage	
BUCTRIL® Herbicide + atrazine suppresses the growth by burning down of top growth. Regrowth may occur.							

<sup>1</sup> If pigweeds (Amaranthus spp.) present in the field to be treated have been identified as triazine resistant biotypes, use **BUCTRIL® + atrazine Gel Herbicide** only at 1 1/2 pints/A. Control of pigweeds in the high plains areas of Texas and Oklahoma may not be satisfactory with **BUCTRIL® + atrazine Gel Herbicide**. Applications should be made when pigweeds do not exceed the 4 leaf stage and 2 inches in height.

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**BUCTRIL® + ATRAZINE GEL TANK MIXTURE RECOMMENDATIONS**

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
<b>BUCTRIL® + atrazine Gel</b> + Banvel® <sup>1</sup>	3/4 to 1 pint/A + 1/8 - 1/4 pint/A	Apply to field corn after emergence but before corn is 12 inches tall.  Apply to sorghum between the 3 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first. Use drop nozzles if crop is taller than 8 inches.	All weeds controlled by <b>BUCTRIL® + atrazine Gel</b> at recommended rates of application plus improved control of pigweed, kochia, field bindweed suppression, and Canada thistle burndown.
	1 1/2 pints/A + 1/8 - 1/4 pint/A	Apply to field corn between the 4 leaf stage but before corn is 12 inches tall.  Apply to sorghum between the 4 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first. Do not apply in the boot stage. Use drop nozzles if crop is taller than 8 inches.	

<sup>1</sup>Clarity ® may be used at the same rate as Banvel® in a tank mixture with **BUCTRIL® + atrazine Gel** on corn. These mixtures must be applied before corn exceeds 8 inches in height. Do not use **BUCTRIL® + atrazine Gel** + Clarity® tank mixtures on sorghum.

<b>BUCTRIL® + atrazine Gel</b> + 2,4-D (such as Weedone® or Weedar®)	3/4 to 1 pint/A + 1/16 - 1/4 lb ai/A	Apply to field corn after emergence but before corn is 12 inches tall. Use drop nozzles if crop is taller than 8 inches.  Apply to sorghum between the 3 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first. Use drop nozzles if crop is taller than 8 inches.	All weeds controlled by <b>BUCTRIL® + atrazine Gel</b> at recommended rates of application plus improved control of devils claw, kochia, field bindweed suppression, and Canada thistle burndown.
	1 1/2 pints/A + 1/16 - 1/4 lb ai/A	Apply to field corn between the 4 leaf stage but before corn is 12 inches tall. Use drop nozzles if crop is taller than 8 inches.  Apply to sorghum between the 4 leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first. Do not apply in the boot stage. Use drop nozzles if crop is taller than 8 inches.	

**BUCTRIL® + ATRAZINE GEL TANK MIXTURE RECOMMENDATIONS (cont'd.)**

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
<b>BUCTRIL® + atrazine Gel</b> + Stinger®	3/4 to 1 pint/A + 1/3-2/3 pint/A	Apply to field corn after emergence but before corn is 12 inches tall. Do not apply this tank mixture to sorghum.	All weeds controlled by <b>BUCTRIL® + atrazine Gel</b> at recommended rates of application plus improved Canada thistle burndown. For optimum performance apply to Canada thistle at least 4 inches in diameter or height but before bud stage.
	1 1/2 pints/A + 1/3-2/3 pint/A	Apply to field corn between the 4 leaf stage but before corn is 12 inches tall. Do not apply this tank mixture to sorghum.	
<b>BUCTRIL® + atrazine Gel</b> + Accent® + non-ionic surfactant	3/4 to 1 pint/A + 2/3 oz/A + 1 qt/100 gal of water (0.25% v/v)	Apply to field corn preemergence or postemergence but before corn is 12 inches tall. Do not apply this tank mix to sorghum.	All broadleaf weeds controlled by <b>BUCTRIL® + atrazine Gel</b> plus grasses and broadleaves controlled by Accent. For optimum weed control, treat when broadleaves and grasses are in the recommended growth stage or size. Follow the weed size guideline on the <b>BUCTRIL® + atrazine Gel</b> or Accent® labels that are least restrictive.
	1 1/2 pints/A + 2/3 oz/A + 1 qt/100 gal of water (0.25% v/v)	Apply to field corn between the 4 leaf stage of crop growth but before the corn is 12 inches tall. Do not use this tank mixture on sorghum.	

**Restrictions and Precautions: Corn (Field and Pop) and Sorghum (Grain and Forage)**

- Postemergence applications of **BUCTRIL® + atrazine Gel Herbicide** will not adequately control grasses. Therefore, it is recommended that a suitable grass control program be used to provide any required grass control.
- Addition of a spray additive may cause excessive crop leaf burn.
- Do not use **BUCTRIL® + atrazine Gel** on sorghum grown in sandy or loamy sand soils as excessive crop injury may occur.
- Seed corn producers should consult the respective seed corn company regarding tolerance of seed production inbred lines to **BUCTRIL® + atrazine Gel Herbicide**.
- Do not cut crop for feed or graze within 30 days after application.
- A second application of **BUCTRIL® + atrazine Gel Herbicide** may be applied if a new flush of weeds occur following the first application. The total cumulative rate should not exceed 2 pints/A per season.
- Do not use **BUCTRIL® + atrazine Gel Herbicide** on any crop other than stated on this label.
- Application to grain sorghum growing under stress caused by minor element deficiency or to grain sorghum growing on highly calcereous soil may result in crop injury.
- Special care should be taken when using **BUCTRIL® + atrazine Gel** and Banvel®, Clarity®, or 2,4-D tank mixtures to avoid off target drift to sensitive crops.
- Tank mixtures with 2,4-D or Banvel® can cause stalk brittleness to field corn or sorghum. Tank mixtures with Clarity® can cause stalk brittleness to field corn. Winds or cultivation may cause breakage while crop is brittle.
- Do not apply **BUCTRIL® + atrazine Gel** herbicide at any rate to sorghum which has reached the boot stage of growth as severe crop injury, including loss of crop yield may result.
- Postemergence application prior to the 3 leaf stage of corn may result in increased crop leaf burn.
- Do not apply **BUCTRIL® + atrazine Gel** prior to the 3 leaf stage to seed corn inbreds or popcorn as excessive crop leaf burn may occur.
- Tank mixtures with Accent® + nonionic surfactant may result in increased crop leaf burn. Use of crop oil concentrate, nitrogen solution or other adjuvants in **BUCTRIL® + atrazine Gel Herbicide** + Accent® tank mixtures may result in a further increase in crop leaf burn.

**CROP ROTATION**

**BUCTRIL® + atrazine Gel Herbicide** contains atrazine at 1/2 lb active per pint of product. Due to the residual activity of the atrazine, injury to crops planted in treated fields the following season may occur. Consult your local extension service on the potential for atrazine carryover injury to rotational crops for your soil types and weather conditions encountered following application. If in doubt about your specific situation, a soil test prior to planting rotation crops is recommended to determine the amount of atrazine remaining and its potential to cause crop injury to the intended crop.

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### ATRAZINE RATE RESTRICTIONS

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

#### Pre-Plant/Preemergence Use

This product contains atrazine at 0.5 lb ai per pint. If **BUCTRIL® + atrazine Gel Herbicide** is applied preplant or preemergence with appropriately registered products containing atrazine, the following restrictions apply: On highly erodible soils where conservation tillage is utilized ( $\geq 30\%$  plant residue), the maximum allowable atrazine rate per growing season is 2.0 lb ai/A. On highly erodible soils where plant residue is  $< 30\%$ , the maximum allowable atrazine rate is 1.6 lb ai/A. On soils not highly erodible, the maximum allowable soil-applied atrazine rate is 2.0 lb ai/A.

#### Postemergence Use

This product contains atrazine at 0.5 lb ai per pint. Where there has been no previous atrazine soil application to the crop, if **BUCTRIL® + atrazine Gel Herbicide** is applied postemergence with appropriately registered products containing atrazine, the total amount of atrazine applied cannot exceed 2.0 lb ai/A. Where a previous soil application of atrazine has been made to the crop, if **BUCTRIL® + atrazine Gel Herbicide** is applied postemergence with appropriately registered products containing atrazine, the total amount of atrazine applied cannot exceed 2.5 lb ai/A per calendar year.

### LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; that the directions, warnings, and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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Note: This is a draft label.