

ULTRA BLAZER® HERBICIDE

POST-EMERGENCE HERBICIDE FOR SOYBEANS AND CARROTS

SOLUTION

COMMERCIAL (AGRICULTURAL)

ACTIVE INGREDIENT: Acifluorfen (present as sodium salt) 240 g/L

REGISTRATION NO. 32330

PEST CONTROL PRODUCTS ACT

POISON



DANGER – CORROSIVE TO EYES AND SKIN IRRITANT

**KEEP OUT OF REACH OF CHILDREN.
READ THE LABEL AND THIS BOOKLET BEFORE USING.**

NET CONTENTS: 1-25 L

UPL AgroSolutions Canada Inc.
630 Freedom Business Center, Suite 402
King of Prussia, PA 19406
1-800-438-6071

FOR CHEMICAL EMERGENCY: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

1. Harmful if swallowed
2. CORROSIVE to the eyes. Causes skin irritation. DO NOT get in eyes or on skin. Harmful if inhaled. Avoid inhalation of vapour or spray mist.
3. Wear coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, socks and chemical-resistant footwear during mixing, loading, application, cleanup and repair.
4. Wear goggles or a face shield during mixing, loading, cleanup and repair.
5. A respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides is recommended during mixing and loading operations.
6. Wash hands and face thoroughly after handling and before eating, drinking, smoking or using the toilet.
7. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse. Wear freshly laundered clothes daily.
8. Clean application equipment thoroughly after use, taking care not to contaminate domestic or irrigation water, lakes, streams or ponds.
9. Apply only when the potential for drift to areas of human habitation or areas of human activity (houses, cottages, schools and recreational areas) is minimal. Take into consideration wind speed, wind direction, temperature inversion, application equipment and sprayer settings.
10. It is recommended that this product not be applied in a way that will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the treatment area during application.

FIRST AID INSTRUCTIONS

In case of eye contact:

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 eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If swallowed:

Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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 centre or doctor for further treatment advice.

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Never give anything by mouth to an unconscious person. Remove victim to safe, uncontaminated area. If victim has ceased breathing, clear airway and start artificial respiration. Obtain medical attention.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Treat symptomatically.

STORAGE

1. Store in original tightly closed container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separately from other pesticides to avoid cross contamination.
5. Keep from freezing. Store above 0⁰C.

DISPOSAL

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for any further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on this label. It is an offence under the ***PEST CONTROL PRODUCTS ACT*** to use this product in a way that is inconsistent with the directions on the label.

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GENERAL INFORMATION

ULTRA BLAZER is a selective post-emergence herbicide which can be applied alone or in a tank mix combination with BASAGRAN[®], or BASAGRAN FORTE as a single application for the control of certain broadleaf weeds and suppression of specific perennial weeds in soybeans. ULTRA BLAZER can also be applied alone at a reduced rate for the early season suppression of redroot pigweed in carrot. For best results, apply ULTRA BLAZER herbicide when the weeds are small and actively growing. It is important to have good spray coverage on the weeds as ULTRA BLAZER works mainly by contact action. Failure to follow the suggested application rate and timing may result in unsatisfactory control.

APPLY ULTRA BLAZER USING GROUND EQUIPMENT ONLY. DO NOT APPLY BY AIR.

CROP TOLERANCE

Soybeans are tolerant to a postemergence application of ULTRA BLAZER when applied at the recommended growth stages and suggested rate. Soybeans may exhibit speckling, bronzing and/or leaf burn. The trifoliolate leaf emerging at the time of application may be distorted. Soybeans usually outgrow these conditions and continue to grow at a normal rate with no adverse effect on vigour, maturity, or crop yield.

DIRECTIONS FOR USE

TIMING OF APPLICATION

To ensure most effective weed control, correct timing is very important. Apply ULTRA BLAZER alone or the tank mix of ULTRA BLAZER + BASAGRAN, or BASAGRAN FORTE when the susceptible weeds are young and actively growing and the soybeans are in the 1-3 trifoliolate leaf stage. This is usually 24 to 28 days after soybean planting in most years. Do not apply before the first trifoliolate leaf stage of the soybean. ULTRA BLAZER and the tank mix of ULTRA BLAZER + BASAGRAN, or BASAGRAN FORTE provide the best weed control when maximum daily temperatures are expected to be above 21°C. In solid seeded or broadcast soybean plantings, ULTRA BLAZER and the tank mix of ULTRA BLAZER + BASAGRAN, or BASAGRAN FORTE should be applied when the soybeans are in the 1-2 trifoliolate leaf stage in order to ensure good spray coverage of weeds. Later applications may result in poor weed control because of advanced weed growth or poor coverage due to the crop canopy covering the weeds.

APPLICATION INSTRUCTIONS: ULTRA BLAZER alone

Apply ULTRA BLAZER at 1.25 L/ha. When applying ULTRA BLAZER at 1.25 L/ha, add 0.5% v/v (1-2 L/ha depending on application volume) of ASSIST Oil Concentrate. This treatment will provide control of common ragweed and redroot pigweed.

Apply ULTRA BLAZER at 2.5 L/ha. Do not add oils or surfactants to the spray mixture when applying the 2.5 L/ha rate of ULTRA BLAZER alone.

ULTRA BLAZER will control the following weeds when applied prior to the specified maximum heights:

TABLE 1 - WEEDS CONTROLLED BY ULTRA BLAZER

Annual Weeds

Broadleaf Weeds	Maximum Leaf Stage	
	ULTRA BLAZER at 2.5 L/ha	ULTRA BLAZER at 1.25 L/ha*
Cocklebur	4	
Jimsonweed	10	
Lady's-thumb (Smartweed)	8	
Lamb's-quarters	2	
Mustard (Wild)	10	
Nightshade (Eastern Black)	6	
Pigweed (Redroot)	6	4
Ragweed (Common)	8	8

*ASSIST Oil Concentrate required.

Perennial Weeds (suppression only) at 2.5 L/ha only

Canada thistle: A single application of ULTRA BLAZER before the bud stage will severely stunt Canada thistle. The terminal bud of the plant will be killed and the thistle will generally not flower nor set seed. Limited regrowth from some plants may occur.

Hedge bindweed: ULTRA BLAZER will burn back all top growth of this perennial vine. However, limited regrowth may occur.

Field bindweed: ULTRA BLAZER will burn back the top growth of this perennial vine. However, limited regrowth will occur, depending upon conditions at the time of application. The underground root system is not affected by this herbicide treatment.

Common milkweed: ULTRA BLAZER will burn back top growth of milkweed if this perennial weed receives thorough spray coverage. However, there will be immediate regrowth from the base of the stem, or from underground roots.

APPLICATION INSTRUCTIONS: ULTRA BLAZER plus BASAGRAN, or BASAGRAN FORTE tank mixture

Read all labels and follow the most stringent precautions of tank mix products.

ULTRA BLAZER can be tank mixed with BASAGRAN, or BASAGRAN FORTE for control of additional broadleaf weeds.

ULTRA BLAZER and BASAGRAN

When tank mixing ULTRA BLAZER and BASAGRAN, use ASSIST Oil Concentrate at a rate of 0.5% v/v (1.0 to 2.0 L/ha depending on climate conditions and the spray volume). Under hot, humid conditions, restrict the ASSIST rate to 1.0 L/ha.

Use the following application rates when tank mixing ULTRA BLAZER with BASAGRAN:
 ULTRA BLAZER at 0.63 L/ha plus BASAGRAN at 1.75 L/ha plus ASSIST Oil Concentrate at 1.0 to 2.0 L/ha will control the weeds listed in Table 2 up to the specified leaf stage.

ULTRA BLAZER AND BASAGRAN FORTE

Use the following application rates when tank mixing ULTRA BLAZER with BASAGRAN FORTE:

ULTRA BLAZER at 1.25 L/ha plus BASAGRAN FORTE at 1.25 L/ha will control the weeds listed in Table 2 up to the specified leaf stage. Use this treatment where common ragweed and/or redroot pigweed are the dominant weed species present.

OR

ULTRA BLAZER at 0.63 L/ha plus BASAGRAN FORTE at 1.75 L/ha will control the weeds listed in Table 2 up to the specified leaf stage. Use this treatment where lamb’s-quarters and weeds other than common ragweed and redroot pigweed are the dominant weed species present.

Do not use ASSIST Oil Concentrate or other surfactant with the ULTRA BLAZER plus BASAGRAN FORTE tank mixture.

TABLE 2 - WEEDS CONTROLLED BY ULTRA BLAZER PLUS BASAGRAN, OR BASAGRAN FORTE TANK MIXES

Weed Species	Maximum Leaf Stage	
	ULTRA BLAZER at 1.25 L/ha plus BASAGRAN FORTE at 1.25 L/ha	ULTRA BLAZER at 0.63 L/ha plus BASAGRAN FORTE or BASAGRAN* or *at 1.75 L/ha
Bird rape		6
Cocklebur		6
Flower-of-an-hour		6
Lady's-thumb (Smartweed)		8
Lamb's-quarters	6	6
Mustard (Wild)		8
Nightshade (Species)		4
Pigweed (Redroot)	8	8
Ragweed (Common)	8	8
Shepherd's-purse		6
Stinkweed		6
Velvetleaf	4	4

*ASSIST Oil Concentrate required.

Weeds treated prior to the first true leaf stage may not be adequately controlled. Refer to BASAGRAN, or BASAGRAN FORTE label for additional restrictions and limitations.

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS
 The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than UPL Agrosolutions Canada Inc. under the User Requested Minor Use Label Expansion program.

For these uses, United Phosphorus Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

Carrots:

For early-season suppression of redroot pigweed, apply 94 mL/ha of Ultra Blazer plus 0.5% v/v of Assist Oil Concentrate after the carrots have emerged and redroot pigweed is at the 2- to 4-leaf stage. Apply a sufficient water volume to ensure good coverage. Do not apply more than one application per year. Do not apply within 40 days of harvest (40-day PHI).

MIXING

1. Shake container well before using.
2. Clean spray tank with suitable tank cleaner and fill the clean and empty spray tank one-half full with water. Begin agitation and add the required amount of ULTRA BLAZER.
3. If required, add the correct amount of BASAGRAN FORTE, or BASAGRAN followed by ASSIST. Empty containers should be triple-rinsed with water and the rinsing added to the spray tank while maintaining agitation.
4. Add the remainder of water to the spray tank and maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture.
5. If an oil film starts to build up in the tank, drain it and clean the tank with detergent solution.
6. Thoroughly clean the spray tank immediately after use by flushing the system with clean water containing detergent.

RESTRICTIONS AND LIMITATIONS

1. Do not treat any crop other than soybeans or carrots.
2. Do not use ULTRA BLAZER with additives, pesticides or fertilizers not specifically recommended on this label.
3. Do not apply ULTRA BLAZER to crops that have been subjected to stress from conditions such as:
 - a. frost
 - b. hail damage
 - c. flooding
 - d. hot, humid weather
 - e. drought
 - f. widely fluctuating temperatures
 - g. prolonged cold weather
 - h. injury from prior herbicide applicationsas crop injury may result.
4. Rainfall within 6 hours of application may reduce effectiveness of spray, particularly on perennial weeds.
5. When ULTRA BLAZER is applied beyond the maximum weed heights, limited to unsatisfactory weed control will result.
6. Cool weather conditions or drought will delay herbicide activity and if prolonged, may result in poor weed control.
7. Cultivation before or during the application of ULTRA BLAZER or the tank mix of ULTRA BLAZER + BASAGRAN, or BASAGRAN FORTE is not recommended. If cultivation is desired, wait until 7 days after application.
8. **DO NOT APPLY ULTRA BLAZER BY AIR.**
9. Avoid spray drift which could result in damage to non-target crops.

10. **DO NOT** apply this product directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.
11. Do not apply ULTRA BLAZER on soybeans grown on sand or loamy sand soils.
12. CAUTION: Do not graze treated crop or cut for hay; sufficient data are not available to support such use.
13. **DO NOT** enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.
14. Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification.
15. **Buffer zones:** A buffer zone of 15 meters is required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, pastures, rangelands and shrublands). When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zones of the products involved in the tank mixture.
16. **DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

ENVIRONMENTAL PRECAUTIONS

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g., sandy soil) and/or the water table is shallow.

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to, heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g., soils that are compacted, fine textured or low in organic matter such as clay).

Avoid application of this product when heavy rain is forecast.

Observe the buffer zones as specified under the “Restrictions and Limitations” section of this label.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, ULTRA BLAZER is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to ULTRA BLAZER and other Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of ULTRA BLAZER or other Group 14 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.

- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact UPL Agrosolutions Canada Inc. at 1-800-438-6071.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

1. Harmful if swallowed.
2. **CORROSIVE** to the eye. Causes skin irritation. **DO NOT** get in eyes or on skin. Harmful if inhaled. Avoid inhalation of vapour or spray mist.
3. Wear coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves, socks and chemical-resistant footwear during mixing, loading, application, cleanup and repair.
4. Wear goggles or a face shield during mixing, loading, cleanup and repair.
5. A respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides **OR** a NIOSH-approved canister approved for pesticides is recommended during mixing and loading operations.
6. Wash hands and face thoroughly after handling and before eating, drinking, smoking or using the toilet.
7. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse. Wear freshly laundered clothes daily.
8. Clean application equipment thoroughly after use, taking care not to contaminate domestic or irrigation water, lakes, streams or ponds.
9. Apply only when the potential for drift to areas of human habitation or areas of human activity (houses, cottages, schools and recreational areas) is minimal. Take into consideration wind speed, wind direction, temperature inversion, application equipment and sprayer settings.
10. It is recommended that this product not be applied in a way that will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the treatment area during application.

FIRST AID INSTRUCTIONS

- In case of eye contact:** 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 eye. Call a poison control centre or doctor for treatment advice.
- If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
- If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.
- 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 centre or doctor for further treatment advice.

Never give anything by mouth to an unconscious person. Remove victim to safe, uncontaminated area. If victim has ceased breathing, clear airway and start artificial respiration. Obtain medical attention.

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Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION

Treat symptomatically.

STORAGE

1. Store in original tightly closed container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool, dry, locked, well-ventilated area without floor drain.
4. Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination.
5. Keep from freezing. Store above 0°C.

DISPOSAL

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for any further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER

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