

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0080, Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 7969-45	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) BASAGRAN Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) BASF Corporation P.O. Box 13528 Research Triangle Park, NC 27709-3528 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

OCT - 3 2005

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of minor labeling changes for Basagran T/O Herbicide per PR Notice 98-10. Basagran T/O Herbicide is an alternate trade name for Basagran Herbicide. First Aid Statements are reformatted into a boxed and bulleted format. The heading "HOT LINE NUMBER" and the sentence "You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357)" are added to the label text. The name of the tank mix partner Pennant Herbicide has been changed to Pennant MAGNUM Herbicide. Other minor labeling changes have been made to the label language for Basagran T/O Herbicide and are discussed in the cover letter and submitted to the Agency as a notification, and submission of final print certification statement required by PR Notice 98-10 is included in the cover letter. *and submission of final print container labels.*

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1, 2.5, 5, 10, 15, 30 gallons & bulk		5. Location of Label Directions <input checked="" type="checkbox"/> on labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Craig Kleppe	Title Product Registration Manager	Telephone No. (Include Area Code) (919) 547-2869
2. Signature 		3. Title Product Registration Manager
4. Typed Name Craig Kleppe		5. Date September 27, 2005 <del>August 26, 2005</del>
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received  (Stamped)

# Basagran<sup>®</sup> T/O

Herbicide

## Postemergence Herbicide

For use in established turf, ornamentals, and roadsides to control broadleaf weeds and sedges.

A soluble liquid formulation containing:

**Active ingredient:**

Sodium salt of bentazon\* .....44.0%

**Inert ingredients** .....56.0%

**Total** .....100.0%

\*Equivalent to 4 pounds per gallon bentazon (3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide)

EPA Reg. No. 7969-45

EPA Est No. \_\_\_\_\_

**KEEP OUT OF REACH OF CHILDREN.  
CAUTION**

See inside booklet for complete **First Aid, Precautionary Statements, Directions for Use and Conditions of Sale and Warranty.**

For more information, please visit our website  
[www.turffacts.com](http://www.turffacts.com)

**Net contents:**

Product of Germany  
Formulated in the United States with U.S. and imported ingredients

BASF Corporation  
Agricultural Products  
26 Davis Drive  
Research Triangle Park, NC 27709



The Chemical Company

FIRST AID	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

**Precautionary Statements**

**Hazards to Humans (and Domestic Animals)**

**Caution:** Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**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/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Controls Statement**

When handlers use closed systems, enclosed cabs, or aircraft 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.

User Safety Recommendations
<p><b>Users should:</b></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> <li>• 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.</li> </ul>

**Environmental Hazards**

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash

waters or rinsate. Bentazon, which is present in this product; is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**Notice:** It is a violation of federal law to use any pesticide in a manner that results in the death of an endangered species or in adverse modification of their habitat.

**Directions For Use - All Sites**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements
<p>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.</p> <p>Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of <b>48 hours</b>. 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:</p> <ul style="list-style-type: none"> <li>• Coveralls</li> <li>• Waterproof gloves</li> <li>• Shoes plus socks</li> </ul>

**Nonagricultural Use Requirements**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, nurseries, or greenhouses.

For non-WPS occupational use:

- **Do not enter or allow others to enter the treated area until sprays have dried.**

For homeowner use:

- **Do not allow persons or pets to enter the treated area until sprays have dried.**

**Storage and Disposal**

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

**Pesticide Storage:** Do not allow this product to freeze.

**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 container (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state or local authorities, by burning. If burned, stay out of smoke.

Do not re-use empty container.

**In Case of Emergency**

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

CHEMTREC 1-800-424-9300  
BASF Corporation 1-800-832-HELP

In case of medical emergency regarding this product, call:

1. Your local doctor for immediate treatment.
2. Your local poison control center (hospital).
3. BASF Corporation 1-800-832-HELP(4357)

**Established Turf**

**General Information**

**Basagran® T/O herbicide** may be used on established bluegrass, fescue, bentgrass, Bermudagrass, bahiagrass, centipedegrass, zoysiagrass, ryegrass, St. Augustinegrass, carpetgrass, and buffalograss.

**Basagran T/O** is intended for selective postemergence control of broadleaf weeds, annual sedges, and yellow nutsedge. **Basagran T/O** does not control grasses. **Basagran T/O** is effective mainly through contact, therefore, all plants must be thoroughly covered with spray.

Weeds controlled by **Basagran T/O** in turf include annual sedges, yellow nutsedge, wild mustard, dayflower, common groundsel, and common purslane. For other weeds controlled by **Basagran T/O** in turf, see **Table 2**.

**Application Information**

Apply **Basagran T/O** postemergently to actively growing weeds under good soil moisture conditions. If desired control of yellow nutsedge or Canada thistle is not obtained with the first application, make a second application 10-14 days later or when new growth appears.

In the northern United States, yellow nutsedge can emerge from May through July, while in the southern United States, nutsedge and broadleaf weeds can emerge throughout the year. Therefore, initial applications should be planned when most plants have emerged. If new plants emerge later in the season, make a second application of **Basagran T/O** according to the label directions. In unmowed turf, make the first application after emergence but before yellow nutsedge, annual sedge, and Canada thistle are 8 inches tall. Annual broadleaf weeds should be no taller than 4 inches. Thorough spray coverage of yellow nutsedge is essential for maximum control.

For optimum control, do not mow within 3 days before or after application. For sedges, do not mow within 5 days of application.

Use a minimum water volume of 1 gallon per 1,000 square feet (40 gallons per acre) with a minimum pressure measured at the nozzle of 40 psi.

**Application Rate:** See **Table 1** for application rate of **Basagran T/O**.

**Addition of Oil Concentrate**

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) may be added to the spray tank for certain weed problems. The oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar test (see below), and
- be successful in local experience.

The exact composition of suitable products will vary, however, vegetable and petroleum oil concentrates should contain emulsifiers to provide good mixing quality. Highly refined vegetable oils have been observed to be more satisfactory than unrefined vegetable oils. For additional information, see **Jar Test for Estimating Suitability of Oil Concentrates**.

**Table 1. Application Rate Table for Turf Application Rates\***

Area to be Sprayed	200 sq ft	400 sq ft	1,000 sq ft	1 acre
<b>Basagran T/O</b>	1 teaspoon	2 teaspoons	5 teaspoons (0.75 fl oz)	2 pints
Water <sup>b</sup>	0.2-0.4 gallons (1.6-3.2 pints)	0.4-0.8 gallons (3.2-6.4 pints)	1-2 gallons	40-80 gallons

\* For yellow nutsedge, apply no more than 0.75 fluid ounces per 1,000 square feet (2 pints per acre) at one time. Make a second application 10-14 days later. Apply no more than 1.5 fluid ounces per 1,000 square feet (4 pints per acre) in one season. For perennial ryegrass, apply no more than 0.75 fluid ounces per 1,000 square feet (2 pints per acre) at one time. Make a second application no less than 21 days later.

<sup>b</sup> Quantity of water required to uniformly spray this area with your sprayer. If unknown, refer to section **Sprayer Calibration Suggestions**.

Adding oil concentrate to **Basagran® T/O herbicide** may cause a slight leaf burn when relative humidity and temperature are high. Refer to your supplier of **Basagran T/O** for information concerning successful local experience before purchasing any oil concentrate.

**Rate of Oil Concentrate**

Use 0.75 fluid ounce per 1,000 square feet or 2 pints per acre.

**Jar Test for Estimating Suitability of Oil Concentrates:**

- 1. Water Supply:** Use only water from the intended source at the source temperature.
- 2. Amount of Water in Jar:**  
**Ground Application:** For 1 gallon per 1,000 square feet spray volume, use 6 2/3 cups (1600 ml) of water. For other spray volumes, adjust proportionately to above.
- 3. Amount of herbicide and oil concentrate to add:** Add 2 teaspoons each of herbicide and oil concentrate for each 0.75 fluid ounce per 1,000 square feet of recommended label rate.
- 4. Add components** in the following sequence, gently mixing between additions:
  - 1. Basagran**
  - Tank mix product, if used
  - Oil concentrate
- 5. Cap jar, invert** 10 cycles, let stand for 15 minutes, evaluate.
- 6. Evaluation:** An ideal tank mix combination will be uniform. The suitability of the oil concentrate is questionable if any of the following are observed:  
Free oil at the surface - film or globules.  
Flocculation - fine particles which may be suspended in the liquid or found as a precipitated layer at the bottom of the jar.  
Clabbering - thickening texture (coagulated) resembling yogurt or a curd-like texture as with cottage cheese.

**Spray Equipment**

Hand-held pump-up, knapsack, or hose-end type sprayers are suitable for applying **Basagran T/O**.

Do not spray during windy conditions because spray drift may cause damage to adjacent ornamental plants. Rinse equipment with soap and water after use.

**Mixing**

Fill the tank of a thoroughly clean sprayer one-half to two-thirds full of clean water. Start agitation, add **Basagran T/O**, and allow the components to mix thoroughly. Add oil concentrate and the remaining volume of water. Maintain constant agitation during application.

Mix only enough spray solution for one usage. A fresh spray mixture should be used each time.

**Sprayer Calibration Suggestions**

**Hand Sprayers:**

- Stake off a 400 square foot area of turf for practice. This is an area 20' (7 steps) x 20'.
- Add a measured quantity (1.5 gallons for example) of water to the sprayer and uniformly spray the 400 square foot area. Measure water remaining to determine the amount applied per 400 square foot area. (**Note:** A minimum of 3 pints per 400 square feet is recommended).
- Prepare the spray solution according to **Table 1. Application Rates for Turf.**  
**Example:** Assume that in **Step 2** the 400 square foot area was uniformly covered with 0.5 gallon of water. Referring to the table, add 2 teaspoons of **Basagran T/O** per 0.5 gallon of water for each 400 square foot of turf to be sprayed. (**Note:** Using this mix to spot spray individual weeds may result in an excessive dosage and possible turf injury.)

**Hose-end Applicator**

A procedure similar to the above may be followed for calibrating hose-end sprayers. Half-fill container with water to an even mark on the "gallons" scale and note the volume level. Spray the 400 square foot area, noting the new reading, and thereby determine the amount of water used to spray the area. Then proceed as in **Step 3** above.

### Restrictions and Limitations

Do not apply **Basagran® T/O herbicide** to turf that has been under stress such as drought, cold temperature or injury from other herbicides or pesticides.

Do not apply **Basagran T/O** to any newly seeded or newly sprigged turf until seedlings or sprigs are well established, as injury may result.

Not recommended for use on golf course greens or collars.

In perennial ryegrass, apply no more than 0.75 fluid ounces per 1,000 square feet (2 pints per acre) at one time and make subsequent applications no less than 21 days later.

Do not apply more than 1.5 fluid ounces of **Basagran®** per 1000 square feet (4 pints per acre) in one season.

Do not exceed a total of 1 pound of active ingredient (bentazon) per acre per application or 2 pounds of active ingredient (bentazon) per acre per season. One pint of **Basagran T/O** contains 0.5 pound of bentazon and one pint of **Prompt® 5L herbicide** contains 0.3125 pound of bentazon.

Do not exceed a total of 0.367 ounce of active ingredient (bentazon) per 1,000 square feet per application or 0.73 ounce of active ingredient (bentazon) per 1,000 square feet per season. One fluid ounce of **Basagran T/O** contains 0.5 ounce of bentazon and one fluid ounce of **Prompt 5L** contains 0.3125 ounce of bentazon.

Rainfall or sprinkler irrigation within 8 hours after application may reduce the effectiveness of **Basagran T/O**.

Physical incompatibility, reduced weed control or turf injury may result from mixing **Basagran T/O** with pesticides (fungicides, herbicides, insecticides or miticides), additives or fertilizers.

BASF does not recommend using **Basagran T/O** tank mixes other than those listed on BASF labels, supplemental labeling, or technical bulletins.

Local professional authorities may be a source of information when using other than BASF recommended combinations. Otherwise, test a small area of the site with the desired tank mix combination and allow 7-10 days to evaluate the potential for injury. Do not apply **Basagran T/O** plus an oil concentrate with other pesticides whose labels caution against their use with oil adjuvants.

Clean the sprayer thoroughly before applying **Basagran T/O**, particularly if a herbicide with the potential to injure the turf to be sprayed with **Basagran T/O** was previously used.

When treating turf with **Basagran T/O**, avoid over-the-top spraying of adjacent ornamental trees, shrubs, and flowers unless otherwise recommended in this

label. Spraying near the base of established ornamental trees, shrubs, and flowers should not result in injury **except for sycamore and rhododendron**.

### Recommended Tank Mixes with Basagran T/O — Established Turf

To obtain postemergence control of other broadleaf weeds or sedges not listed on this label, other products registered for use in turf may be tank mixed with **Basagran T/O**. Other products that may be tank mixed are **Prompt 5L**, **Image®** and **Turflon®** herbicides, **MSMA**, atrazine, 2,4-D, and mixes of 2,4-D, **MCP** (mecoprop) or 2,4-DP (dichlorprop). A tank mix with **Vantage® herbicide** may be used on centipedegrass and fine fescue species. Some of these products cannot be used on all turf sites or species. Refer to the respective product labels for site and species restrictions.

Determine the compatibility of the potential tank mix product before mixing with **Basagran T/O** in the spray tank. An antifoaming agent may be used if needed. Do not use a surfactant or oil additive with 2,4-D, **MCP**, or 2,4-DP.

Read each tank mix product label for **Directions For Use**, **Precautionary Statements**, and **Restrictions and Limitations**. The most restrictive labeling applies in all tank mixes.

### Ornamentals, Nursery, Other Nonfood Crops, Noncrop Sites, Roadsides, and other Rights-of-Ways

**Basagran T/O** may be applied as a directed spray around all ornamental and nursery plants **except sycamore and rhododendron**.

### Directions for Use

#### Rate and Timing of Application

Apply **Basagran T/O** early postemergence to actively growing weeds before they reach the maximum size listed in **Table 2**. Early application to weeds produces the most beneficial weed control (exception: yellow nutsedge and Canada thistle). Delaying application permits weeds to exceed the maximum size stated and will result in inadequate control.

Do not cultivate or mow within 5 days before or after applying **Basagran T/O**.

#### Addition of Oil Concentrate

Refer to **Addition of Oil Concentrate** for more information.

#### Rate of Oil Concentrate

Use 0.75 fluid ounces per 1,000 square feet (2 pints per acre).

3/13

**Table 2. Application Rate Table for Ornamentals, Nursery, Other Nonfood Crops, Noncrop Sites, Roadsides and Rights-of Ways**

Weeds Controlled*	Application Rates for Weed Growth Stage			
	0.55 fluid ounces per 1,000 square feet (1.5 pints per acre)		0.75 fluid ounces per 1,000 square feet (2 pints per acre)	
	Leaf Stage	Maximum Height (inches)	Leaf Stage	Maximum Height (inches)
Anoda, Spurred	Up to 6	3"	6-8	4"
Balloonvine	2-4	2"	4-6	3"
Buckwheat, Wild	Up to 4	3"	4-6	5"
Coffee Senna	Not Recommended	—	Up to 1 pinnate <sup>b</sup>	2"
Dayflower	Up to 6	4"	6-10	8"
Devilsclaw	Not Recommended	—	Up to 6 <sup>b</sup>	3"
Galinsoga	Not Recommended	—	Cotyledon to 6 <sup>b</sup>	2"
Groundsel, Common	Not Recommended	—	2-10	6"
Ladysthumb	Up to 6	6"	6-10	10"
Lambsquarters <sup>c</sup> , Common	Not Recommended	—	4-8 <sup>b</sup>	2"
Mustard, Wild	Up to 6	4"	6-10	8"
Pennsylvania Smartweed	Up to 6	6"	6-10	10"
Poinsettia, Wild	2-4	4"	4-8 <sup>b</sup>	6"
Prickly Sida or Teaweed	Up to 6	3"	6-8	4"
Purslane, Common	Up to 4	1"	4-6	2"
Ragweed, Common	Not Recommended	—	4-6 <sup>b</sup>	3"
Giant <sup>d</sup>	Not Recommended	—	Up to 4	6"
Redweed	4-6	6"	6-10	8"
Sesbania	Not Recommended	—	3-5 <sup>e</sup>	3"
Shepherdspurse <sup>e</sup>	Up to 6	4"	6-10	8"
Spurweed/Lawn burweed	Not Recommended	—	2-6	3"
Sunflower, Wild	Up to 4	5"	4-6	8"

\* For additional weeds see **Special Directions** section.  
<sup>b</sup> Add oil concentrate at 0.75 fluid ounces per 1,000 square feet (2 pints per acre)  
<sup>c</sup> Control may be partial or inconsistent.  
<sup>d</sup> If a second weed flush develops after the first application, retreat according to this rate table.  
<sup>e</sup> Do not treat rosette before seed stalk appears.

**Special Directions for Other Weed Problems**

<p><b>Canada Thistle</b>          Apply 0.75 fluid ounces of <b>Basagran® T/O herbicide</b> per 1,000 square feet (2 pints per acre) when plants are from 8 inches tall to the bud stage. Make a second application at the same rate 7-10 days later.</p>
<p><b>Yellow Nutsedge</b>          Two applications are preferred for best results. Apply 0.55-0.75 fluid ounces of <b>Basagran T/O</b> per 1,000 square feet (1.5-2 pints per acre) when plants are 6-8 inches tall. If needed, make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of <b>Basagran T/O</b> and water for each application, according to the <b>Directions for Use</b>.</p>
<p><b>Musk Thistle</b>          Apply 0.75 fluid ounces of <b>Basagran T/O</b> per 1,000 square feet (2 pints per acre) when plants are in the rosette stage no larger than 10 inches in diameter. Make a second application at the same rate if needed. Add oil concentrate to the spray solution of <b>Basagran T/O</b> and water for each application, according to the <b>Directions for Use</b>.</p>

**Water Volume and Spray Pressure**

Apply recommended rates of **Basagran T/O** with a minimum of 0.5 gallon of water per 1,000 square feet (20 gallons per acre) and a minimum of 40 psi (measured at the boom, not at the pump or in the line). When foliage is dense, use up to 2.5 gallons of water and up to 80 psi. Use standard high-pressure pesticide hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood, whirl chamber, or controlled droplet applicator (CDA) nozzles.

**Special Information for Irrigated Areas**

If moisture is not adequate for active weed growth, irrigate before applying **Basagran® T/O herbicide**. Weeds growing under drought conditions usually are not satisfactorily controlled.

**Mixing**

Fill the tank of a thoroughly clean sprayer one-half to two-thirds full with clean water. Start agitation, add **Basagran T/O**, and allow to mix thoroughly. Add oil concentrate and the remaining volume of water. Maintain constant agitation during application.

**Over-The-Top Applications**

**Basagran T/O** may be applied over-the-top of certain ornamental species listed in **Table 3** and to non-crop sites listed below.

**Noncrop Sites, Roadsides, and Rights-of-Ways**

**Basagran T/O** may be used in sites where grass vegetation must be maintained. Avoid drift onto the vegetation as injury may occur. A water volume sufficient to obtain adequate coverage of the weed should be used. Do not make applications to open waters.

**Notice to User**

Due to the variability within species and in application techniques, neither the manufacturer nor the Seller has determined whether or not **Basagran T/O** can be safely used on all ornamentals, nursery, and other nonfood sites under all conditions. It is recommended therefore, that the user determine if **Basagran T/O** can be used safely prior to broad use.

**Directed Spray Applications**

Apply **Basagran T/O** around landscape and ornamental trees, shrubs, flowers, and other plants as a directed spray away from the foliage of desired plants, unless otherwise directed.

Injury may occur when applying **Basagran T/O** as a directed spray under the tree line or over the roots of sycamore and rhododendron. Do not apply if the risk of injury to these plants is not acceptable.

**Table 3. Ornamental Species for Over-the-Top Applications**

Common Name	Scientific Name
Ajuga	<i>Ajuga</i> sp.
Arborvitae*	<i>Thuja occidentalis</i>
Boxwood "Winter Gem"	<i>Buxus japonica</i>
Dusty Miller	<i>Centaurea cineraria</i>
Holly, Burford "Burfordii"	<i>Ilex cornuta</i>
Holly, "Compacta"	<i>Ilex crenata</i>
Holly, "Dwarf Burford"	<i>Ilex cornuta</i>
Impatiens "Accent Carmine**"	<i>Impatiens</i> sp.
Impatiens "Balsam"	<i>Impatiens balsamina</i>
Ivy, English	<i>Hedera helix</i>
Liriope, Green	<i>Liriope muscari</i>
Liriope	<i>Liriope spicata</i>
Marigold, "Aurora Gold"	<i>Tagete erecta</i>
Mugo pine*	<i>Pinus mugo mugo</i>
Oak, red*	<i>Quercus rubra</i>
Ornamental cabbage pansy	<i>Brassica</i> sp.
Ornamental cabbage "colorup"	<i>Brassica oleracea</i>
Pachysandra	<i>Pachysandra terminalis</i>
Petunia "Madness Plum"	<i>Petunia hybrida</i>
Petunia "Ultra White"	<i>Petunia hybrida</i>
Snapdragon "L. Scarlet**"	<i>Antirrhinum majus</i>
Yew, Japanese "Densiformis"	<i>Taxus cuspidata</i>
Yew "Hatfieldii**"	<i>Taxus media</i>
Yew "Hicks"	<i>Taxus media</i>

\*Make no more than one application per season per crop

### Restrictions and Limitations

Do not apply **Basagran® T/O herbicide** to crop plants that have been subject to stress conditions such as hail damage, flooding, drought, extreme heat, or widely fluctuating temperatures as crop injury may result.

Do not apply **Basagran T/O** if crop plants show injury (leaf phytotoxicity or plant stunting) produced by any other prior herbicide applications, because this injury may be enhanced or prolonged.

Rainfall or overhead irrigation within 8 hours after application may reduce the effectiveness of **Basagran T/O**. Do not apply more than 1.5 fluid ounces of **Basagran T/O** per 1,000 square feet (4 pints per acre) in any 12-month period.

Do not exceed a total of 1 pound of active ingredient (bentazon) per acre per application or 2 pounds of active ingredient (bentazon) per acre per season. One pint of **Basagran T/O** contains 0.5 pound of bentazon and one pint of **Prompt® 5L herbicide** contains 0.3125 pound of bentazon.

Do not exceed a total of 0.367 ounce active ingredient (bentazon) per 1,000 square feet per application or 0.73 ounce of active ingredient (bentazon) per 1,000 square feet per season. One fluid ounce of **Basagran T/O** contains 0.5 ounce of bentazon and one fluid ounce of **Prompt 5L** contains 0.3125 ounce of bentazon.

Clean the sprayer thoroughly before applying **Basagran T/O**, particularly if a herbicide with the potential to injure the plants to be sprayed with **Basagran T/O** was previously used.

Physical incompatibility, reduced weed control, or ornamental plant injury may result from mixing **Basagran T/O** with pesticides (fungicides, herbicides, insecticides or miticides), additives or fertilizers.

BASF does not recommend using **Basagran T/O** tank mixes other than those listed on BASF labels, supplemental labeling, or technical bulletins.

Local professional authorities may be a source of information when using other than BASF recommended combinations. Otherwise, test a small area of the site with the desired tank mix combination and allow 7-10 days to evaluate potential injury.

Do not apply **Basagran T/O** plus an oil concentrate with other pesticides whose labels caution against their use with oil adjuvants.

### Recommended Tank Mixes

#### **Basagran T/O + Pennant Magnum® herbicide Tank Mix**

A tank mix application of **Basagran T/O + Pennant Magnum** may be applied as a post-direct spray to control yellow nutsedge and certain emerged

broadleaf weeds listed on the **Basagran T/O** label. This tank mix will also control certain broadleaf and grass weeds listed on the Pennant Magnum label that have not emerged. This tank mix should be applied as a directed spray away from the foliage of ornamental plants. If any desirable plant foliage received direct or indirect application, wash the solution off the foliage immediately. Read each tank mix product label for **Directions For Use, Precautionary Statements, and Restrictions and Limitations**. The most restrictive labeling applies in all tank mixes. **Basagran T/O + Vantage® herbicide Tank Mix**  
A tank mix of **Basagran T/O + Vantage** may be applied to control yellow nutsedge, certain broadleaf weeds, and annual and perennial grass weeds. This tank mix will not control weeds and grasses that have not emerged.

This tank mix should be applied as a directed spray away from the foliage of ornamental plants. If any desirable plant foliage received direct or indirect application, wash the solution off the foliage immediately.

Read each tank mix product label for **Directions For Use, Precautionary Statements, and Restrictions and Limitations**. The most restrictive labeling applies in all tank mixes.

#### **Other Tank Mixes**

**Basagran T/O** may be tank mixed with other compatible products registered for use in ornamentals. Tank mixes using other products with **Basagran T/O** should be applied as a directed spray away from the foliage of ornamental plants. If any desirable plant foliage received direct or indirect application, wash the solution off the foliage immediately.

When applying tank mixes not recommended by this label, test the application on a small area to determine the safety of the anticipated tank mix. Evaluate the potential for injury 5-7 days later before making a general application of this tank mix.

Read each tank mix product label for **Directions For Use, Precautionary Statements, and Restrictions and Limitations**. The most restrictive labeling applies in all tank mixes.

**Appendix  
Broadleaf Weeds Discussed in this Label**

Common Name	Scientific Name
Balloonvine	<i>Cardiospermum halicacabum</i>
Chickweed, Common	<i>Stellaria media</i>
Chickweed, Mouse-ear	<i>Cerastium vulgatum</i>
Coffee Senna	<i>Cassia occidentalis</i>
Dandelion	<i>Taraxacum officinale</i>
Dayflower	<i>Commelina</i> spp.
Devilsclaw	<i>Proboscidea louisianica</i>
Florida Pusley	<i>Richardia scabra</i>
Galinsoga	<i>Galinsoga</i> spp.
Groundsel, Common	<i>Senecio vulgaris</i>
Ladysthumb	<i>Polygonum persicaria</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Morningglory	<i>Ipomoea</i> spp.
Onion/Garlic	<i>Allium</i> spp.
Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>
Pigweed	<i>Amaranthus</i> spp.
Plantain	<i>Plantago</i> spp.
Prickly Sida/Teaweed	<i>Sida spinosa</i>
Purslane, Common	<i>Portulaca oleracea</i>
Ragweed, Common	<i>Ambrosia artemisiifolia</i>
Ragweed, Giant	<i>Ambrosia trifida</i>
Redweed	<i>Melochia corchorifolia</i>
Sesbania	<i>Sesbania exaltata</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Spurge	<i>Euphorbia maculata</i>
Spurred Anoda	<i>Anoda caristata</i>
Spurweed/Lawn Burweed	<i>Saliva pterosperma</i>
Thistle, Canada	<i>Cirsium arvense</i>
Thistle, Musk	<i>Carduus nutans</i>
Wild Buckwheat	<i>Polygonum convolvulus</i>
Wild Mustard	<i>Sinapsis arvensis</i>
Wild Poinsettia	<i>Euphorbia heterophylla</i>
Wild Sunflower	<i>Helianthus annuus</i>
Wood Sorrel, Yellow	<i>Oxalis stricta</i>

**Sedges Discussed in this Label**

Common Name	Scientific Name
Annual Sedges	<i>Cyperus</i> spp.
Purple Nutsedge	<i>Cyperus rotundas</i>
Yellow Nutsedge	<i>Cyperus esculentus</i>

**Conditions of Sale and Warranty**

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. 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, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT PERMITTED BY LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

*Basagran, Image, Prompt and Vantage* are registered trademarks of BASF.

*Turfion* is a registered trademark of DowElanco.

*Pennant MAGNUM* is a registered trademark of Syngenta Crop Protection, Inc.

© 2005 BASF Corporation

All rights reserved

007969-00045.20050610.NVA 2005-04-054-0187

Supersedes: 2004-04-054-0251

BASF Corporation  
Agricultural Products  
26 Davis Drive  
Research Triangle Park, NC 27709





The Chemical Company

11/13

September 27, 2005

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202-4501

**ATTENTION:** Ms. Sherada D. Hobgood, Notifications Review Coordinator  
Registration Division (7505C)

**SUBJECT:** Notification of Minor Labeling Changes Per PR Notice 98-10 and  
Submission of Final Print Container Labels

**REFERENCE:** Basagran<sup>®</sup> T/O Herbicide  
Basagran<sup>®</sup> Herbicide  
EPA Reg. No. 7969-45

Dear Ms. Hobgood:

Under cover of this letter, BASF is submitting an Application For Pesticide Notification for **Basagran Herbicide**, EPA Reg. No. 7969-45, and providing the final print container labels.

**Basagran T/O Herbicide** (an alternate tradename for **Basagran Herbicide**) is a postemergence herbicide for use in established turf, ornamentals, and roadsides for the control of broadleaf weeds and sedges.

The label text for **Basagran T/O Herbicide** has been reformatted and minor labeling changes have been made to the label language. Revised label language for **Basagran T/O** is highlighted in yellow on one of the labels (see attached) and discussed below in points 1 - 6.

**1. On page 1,**

- under the heading **Active Ingredient**, Sodium salt of bentazon\* (3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide)" *is changed to* "Sodium salt of bentazon\*" and the footnote "\*Equivalent to 4 pounds of bentazon per gallon" *is changed to* "\*Equivalent to 4 pounds per gallon bentazon (3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide)".
- the statement "See inside booklet for complete **Precautionary Statements, Directions For Use, and Conditions or Sale and Warranty**" *is changed to* "See inside booklet for complete **First Aid, Precautionary Statements, Directions For Use, and Conditions or Sale and Warranty**".

- the reference to the internet address "For more information, please visit our web site [www.turfacts.com](http://www.turfacts.com)" and the logo "BASF PROFESSIONAL TURF™" are added to the label.

- the following non-FIFRA related label element is added to the label on page 1: "Product of Germany -- Formulated in the United States with U.S. and imported ingredients."

2. *On page 2,*

- the **FIRST AID** Statements are reformatted into a boxed and bulleted format.

- the heading "HOT LINE NUMBER" and the sentence "You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357)" are added to the label text.

3. *On page 3,*

- the **Storage and Disposal** section has been reformatted.

- the following subheadings have been added to this section: "Pesticide Storage:", "Pesticide Disposal:" and "Container Disposal:". Otherwise, the label language in the **Storage and Disposal** section has not been changed.

4. *On page 8,*

- under the heading **Recommended Tank Mixes**, "Basagran T/O + Pennant Tank Mix is changed to "Basagran T/O + Pennant MAGNUM® Tank Mix" and the sentence "A tank mix application of Basagran T/O + Pennant® herbicide may be applied...." is changed to "A tank mix application of Basagran T/O + Pennant MAGNUM herbicide may be applied...."

- the sentence "This tank mix will also control certain broadleaf and grass weeds listed on the Pennant label...." is changed to "This tank mix will also control certain broadleaf and grass weeds listed on the Pennant MAGNUM label...."

5. *On page 9,*

- under the heading **Conditions of Sale and Warranty**, the sentence "IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, ...." has been changed to "TO THE EXTENT PERMITTED BY LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, ..."

6. *On page 9,*

- the footnotes "Basagran is a registered trademark of BASF AG. Vantage and Prompt are registered trademarks of BASF Corporation. Image is a registered trademark of American Cyanamid Company. Turflon is a registered trademark of DowElanco. Pennant is a registered trademark of Ciba-Geigy Corporation" are changed to "Basagran, Image, Prompt and Vantage are registered trademarks of BASF. Turflon is a registered trademark of DowElanco. Pennant MAGNUM is a registered trademark of Syngenta Corporation".

In support of this NOTIFICATION, the following items are submitted:

1. Completed EPA Form 8570-1, Application For Pesticide Notification for **Basagran Herbicide**; and
2. Two (2) copies of revised labeling for **Basagran T/O Herbicide** with an additional label with revised label language highlighted in yellow.

"This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under section 12 and 14 of FIFRA."

If you have any questions concerning this submission, please contact me at (919) 547-2615 (phone) or (919) 547-2850 (fax) or email [kleppec@basf-corp.com](mailto:kleppec@basf-corp.com) . Thank you for your assistance in this matter.

Sincerely,  
**BASF Corporation**  
**Agricultural Products**



Craig Kleppe  
Product Registration Manager

encl.