

7969-45

12-28-2000

1/33

DEC 28 2000

Mr. Edward G. Jordan, Ph.D.
BASF Corporation
P.O. Box 13528
Research Triangle Park, NC 27709-3528

Dear Dr. Jordan:

SUBJECT: Amended Labeling Increasing REI to 48 Hours and Updating First Aid Statements per PR Notice 2000-3
Basagran Herbicide (Alternate Trade Names Fortune Herbicide, Basagran T/O, and Basagran T/O for Homeowners)
EPA Registration Number: 7969-45
Your Submission Dated November 21, 2000

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided your make the following changes:

1. On all of the labels (Basagran and each of the alternate brand name product labels), under First Aid, insert a blank line between the ocular first aid statements and the following statement: "Have the product container or label with you when calling a poison control center or doctor, or going for treatment." This will help to clarify that the statements after the ocular first aid statements apply to all routes of exposure and not just the ocular route.
2. On page 7 of the Basagran T/O Herbicide label, delete the duplicated sentence in column 2 in the "Basagran T/O + Pennant Tank Mix" section. The sentence "This tank mix will also control certain broadleaf and grass weeds listed on the Pennant label that have not emerged" mistakenly appears twice.
3. On the Basagran T/O Herbicide homeowner label, you must make the changes that were required in EPA's March 12, 1998 letter:
 - Move the Storage and Disposal section to a position within the Directions for Use. The preferred location is near the beginning or end of the Directions for Use.

RD:STANTON:PM Team 23:Rm. 239:CM-2:305-5218:Disk #13:S589050.LET

CONCURRENCES							
SYMBOL ▶	7505C						
SURNAME ▶	S. Stanton						
DATE ▶	Dec 28, 2000						

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- Revise the "Mixing" directions in column 1 of page 3 and in column 1 or page 4 to read as follows:

"Fill the tank of a thoroughly clean sprayer half to two-thirds full with clean water. Add Basagran T/O Herbicide and shake or stir the spray solution so that Basagran T/O and water mix thoroughly. Add the remaining volume of water and shake or stir the spray solution to mix thoroughly. Mix only enough spray solution for one usage; a fresh spray mixture should be used for each application."

This labeling supersedes all other previously approved labeling for the subject product. Stamped copies of the labels (Basagran Herbicide and the Alternate Brand Name Products Fortune Herbicide, Basagran T/O, and Basagran T/O for Homeowners) are enclosed for your records. Submit one copy of your final printed labeling incorporating the above changes before you release the product for shipment. Failure to make the required changes may result in suspension of the subject product's registration.

Sincerely yours,



Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosures

BASF

wjm 11-15-00 NVA 2000-04-004-0436

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ACCEPTED
with COMMENTS
In EPA Letter Dated
DEC 28 2000

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
7969-45

Basagran®

herbicide

For postemergence use in beans, corn, peanuts, peas,
peppermint, rice, sorghum, soybeans and spearmint

Active Ingredient:

Sodium salt of bentazon* (3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4
(3H)-one 2,2-dioxide)44.0%

Inert Ingredients:.....56.0%

Total.....100.0%

* Equivalent to 4 pounds of bentazon per gallon

EPA Registration Number 7969-45

EPA Est. No.

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

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

Net contents: gallons (liters)

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.

First Aid

If swallowed: Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

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

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

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

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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

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

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.

Unless otherwise directed in supplemental labeling, all applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the user's possession during application.

Agricultural Use Requirements

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of **48 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
- Waterproof gloves
- Shoes plus socks

Storage and Disposal

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

Pesticide Storage: Do not store at less than 32° F and do not allow 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:

- **Plastic Containers:** Triple rinse the 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 and local authorities by burning. If burned, stay out of smoke. Do not re-use empty container.
- **Bulk/Mini-bulk Containers:** Reusable containers should be returned to the point of purchase for cleaning and refilling because the container must be thoroughly cleaned before refilling.

In Case of Emergency

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

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

In case of medical emergency regarding this product, call:

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

Steps to be taken in case material is released or spilled:

Wear the personal protective equipment specified on the label. Recover the material for re-use according to label whenever possible. Cover the liquid with an absorbent material (such as pet litter). Sweep up and place in an appropriate container for disposal. Remove and wash clothing and personal protective equipment prior to re-use. Keep the spill out of all sewers and open bodies of water.

I. General Information

Basagran® herbicide is intended for selective postemergence control of certain broadleaf weeds and sedges in beans, corn, peanuts, peas, peppermint, rice, sorghum, soybeans, and spearmint. Basagran does not control grasses.

Mode of Action

Basagran is effective mainly through contact action, therefore, weeds must be thoroughly covered with spray.

Crop Tolerance

All labeled crops are tolerant to **Basagran**. Leaf speckling or bronzing may occur, but plants generally outgrow this condition within 10 days. New growth is normal and crop vigor is not reduced.

Cleaning Spray Equipment

Clean application equipment thoroughly by using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions and then triple rinsing the equipment before and after applying this product.

II. Application Instructions

Applications can be made to actively growing weeds as broadcast, band, or spot spray applications at the rates and growth stages listed in the weed tables. The most effective control will result from making postemergence applications of **Basagran** early, when weeds are small. Early application produces the most beneficial effect on weed control (exceptions: yellow nutsedge and Canada thistle), allows use of the lower rate (depending on weed species), and makes thorough spray coverage easier to obtain. Delaying application permits weeds to exceed the maximum size stated and will prevent adequate control. Do not apply when conditions favor drift from target area or when windspeed is greater than 10 mph. Apply recommended rates of **Basagran** to actively growing weeds before they reach the maximum sizes listed in **Table 1. Application Rates for Specific Weed Growth Stages For All Crops Except Rice**. For the recommended use rates of **Basagran** in rice, refer to **Table 3. Application Rates for Rice -**

Flooded Fields and Table 4. Application Rates for Rice - Drained Fields, in Section VI. Crop-Specific Information.

Irrigation

In irrigated areas, it may be necessary to irrigate before treatment to ensure active weed growth because weeds growing under drought conditions usually are not satisfactorily controlled.

Spray Coverage

Weeds must be thoroughly covered with spray. Dense leaf canopies shelter smaller weeds and can prevent adequate spray coverage.

Cultivation

Do not cultivate within 5 days before applying **Basagran** or 7 days after application. Timely cultivation after 7 days may help provide season-long control.

Aerial Application Methods and Equipment

Water Volume: Use a minimum of 5 gallons of water per acre (except 10 gallons for rice).

Spray Pressure: Use up to 40 psi.

Application Equipment: Use only diaphragm-type nozzles that produce cone or fan spray patterns.

Nozzles: Nozzles must not be more than 10 feet above crop. Nozzles must be oriented to discharge straight back with the air stream (opposite the direction of travel of the aircraft) or at some angle between straight back and straight down.

Special Directions for Aerial Application

To obtain uniform coverage and to avoid drift hazards, follow these guidelines:

- Do not apply Basagran by aircraft when wind is blowing more than 10 mph (except above 5 mph in California).
- Use coarse sprays (larger droplets) as they are less likely to drift.
- Do not apply Basagran by air if sensitive species (such as cotton, sugar beets, sunflowers, or okra) are within 200 feet downwind.

The applicator must follow the most restrictive use cautions to avoid drift hazards, including those found in this labeling as well as applicable state and local regulations and ordinances.

Ground Application Methods and Equipment (Broadcast)

Water Volume: Use 10-20 gallons of spray solution per broadcast acre for optimal performance.

Spray Pressure: Use a minimum of 40 psi (measured at the boom, not at the pump or in the line).

Note: When using the lower volume (i.e., 10 gallons per acre) or when crop and weed foliage is dense, use a minimum of 60 psi for best results.

Application Equipment: Use standard high-pressure pesticide flat fan or hollow cone nozzles spaced up to 20 inches apart. Do not use flood, whirl chamber, or controlled droplet applicator (CDA) nozzles as erratic coverage can cause inconsistent weed control. Do not use selective application equipment such as recirculating sprayers or wiper applicators. Good coverage is essential for maximum control.

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Basagran® herbicide can be used in the following crops:

Beans, Dry	Peanuts	Peppermint	Soybeans
Beans, Succulent	Peas, Dry	Rice	Spearmint
Corn	Peas, Succulent	Sorghum	

Table 1. Application Rates for Specific Weed Growth Stages for All Crops Except Rice*

Weeds Controlled (includes ALS- and tri- azine-resistant biotypes)	Basagran Rates Per Acre**					
	1 pint per acre ¹		1.5 pints per acre		2 pints per acre	
	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height
Anoda, Spurred	—	—	Up to 6	3"	6-8	4"
Balloonvine	—	—	2-4	2"	4-6	3"
Beggarticks	—	—	Up to 6	6"	6-8	8"
Bindweed (Field, Hedge) ⁶	—	—	—	—	—	10"
Buckwheat, Wild	—	—	Up to 4	3"	4-6	5"
Canada Thistle ⁷	—	—	—	—	—	8" to bud stage
Cocklebur ^{2,9}	2-4	4"	2-6	6"	6-10	10"
Croton, Tropic	—	—	Up to 2	2"	2-4	4"
Dayflower	—	—	Up to 6	4"	6-10	8"
Devilsclaw ⁸	—	—	—	—	Up to 6	3"
Eclipta	—	—	Up to 6	2"	Up to 6	2"
Galinsoga ³	—	—	—	—	Cotyledon to 6	2"
Groundsel, Common	—	—	—	—	—	3"
Jimsonweed	Up to 4	4"	Up to 6	6"	6-10	10"
Madysthumb	Up to 4	4"	Up to 6	6"	6-10	10"
Quambusters, Common ^{2,4}	Up to 4	1"	Up to 6	1.5"	Up to 6	2"
Marshelder	—	—	Up to 4	2"	Up to 8	4"
Mayweed/dogfennel	—	—	—	2"	—	3"
Morningglory ¹⁰	—	—	—	—	—	—
(smallflower, cypressvine only)	—	—	4	4"	4	4"
Morningglory ¹⁰	—	—	4	4"	6	6"
Mustard, Wild	Up to 4	2"	Up to 6	4"	6-10	8"
Nightshade, hairy ¹²	—	—	—	—	2-6	4"
Nutsedge, Yellow ⁷	—	—	—	8"	—	8"
Poinsettia, Wild ³	—	—	Up to 6	4"	4-8	6"
Purslane, Common	—	—	Up to 4	1"	4-6	2"
Radish, Volunteer	—	—	2-6	4"	6-10	10"
Ragweed, Common ³	—	—	—	—	4-6	3"
Giant ⁴	—	—	—	—	Up to 4	6"
Redweed	—	—	4-6	6"	6-10	8"
Senna, Coffee ³	—	—	—	—	Up to 1 pinnate	2"
Sesbania ³	—	—	—	—	3-5	3"
Shepherdspurse ⁵	—	—	Up to 6	4"	6-10	8"
Sida, Prickly or Teaweed	—	—	Up to 6	3"	6-8	4"
Smartweed, Pennsylvania	Up to 4	4"	Up to 6	6"	6-10	10"
Starbur, Bristly	—	—	Up to 4	2"	4-6	3"
Stigar Beet, Volunteer	—	—	2-4	—	4-8	—
Sunflower, Wild	Up to 2	3"	Up to 4	5"	4-6	8"
Velvetleaf ^{6,11}	Up to 4	2"	Up to 4	2"	4-6	5"
Venice Mallow	Up to 4	2"	Up to 6	2"	6-10	4"

¹ If regrowth develops, make a second application of 1 pint 7-14 days later. (This rate not applicable in California.)
² Do not treat earlier than leaf stage shown and do not count cotyledon leaves.
³ Use crop oil concentrate or crop oil concentrate plus UAN.
⁴ For regrowth or new germination, a follow-up application of **Basagran® herbicide** may be necessary.
⁵ Do not treat rosette before seed stalk appears.
⁶ In KY, IL, IN, MI, and OH, apply 2-3 pints of **Basagran** per acre (for suppression only).
⁷ If regrowth occurs, make a second application at the same rate 7-10 days later.
⁸ Late Rescue Treatment for Velvetleaf: Make a single application of 3 pints per acre of **Basagran** plus 1 quart of oil concentrate per acre and 1 gallon of UAN solution per acre to velvetleaf plants up to 12". For better control, apply 1.5 pints per acre of **Basagran** plus 1 quart of oil concentrate and 1 gallon of UAN or AMS solution per acre, followed by a second application at the same rate in 4-7 days.
⁹ Late Rescue Treatment for Cocklebur: Make a single application of 2-3 pints per acre of **Basagran** to plants up to 24". For better control, apply 1.5 pints per acre of **Basagran**. Repeat 10-14 days later.
¹⁰ Rates given for Southern States only (AL, AR, FL, GA, LA, MS, NC, OK, SC, TN, TX, and VA). Make a second application 5-14 days later.
 For all states other than the South, apply 2-3 pints of **Basagran** per acre to annual morningglories not larger than 4 true leaves. Control may be partial or inconsistent.
¹¹ Always use UAN or AMS as spray additive.
¹² **Basagran** does not control black nightshade nor Eastern black nightshade.

* For the recommended use rates of **Basagran** in rice, refer to **Table 3. Application Rates for Rice - Flooded Fields** and **Table 4. Application Rates for Rice - Drained Fields**, in **Section VI. Crop-Specific Information**.
 ** Refer to section VI. Crop-Specific Information for Crop-Specific Restrictions and Limitations.

III. Additives

To achieve consistent weed control, one of the following additives are needed: crop oil concentrate, urea ammonium nitrate, or ammonium sulfate. Additives may cause some leaf burn, but new growth is normal and crop vigor is not reduced. The potential for leaf burn is increased when relative humidity and temperature are high. See **Table 2. Additive Rate Per Acre** for additive rates.

Oil Concentrate

The oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar test, 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 proven more satisfactory than unrefined vegetable oils.

For additional information, see **IV. General Mixing Information**.

Adding an oil concentrate may cause some leaf burn, but new growth is normal and crop vigor is not reduced. The potential for leaf burn is increased when relative humidity and temperature are high. Some oil concentrates cause excessive leaf burn so refer to your supplier for information concerning successful local experience before purchasing any oil concentrate.

Oil Concentrate + Nitrogen Solution

A nonphytotoxic oil concentrate (as referred to above) plus a nitrogen solution (UAN or AMS) can be added to the spray tank with **Basagran** herbicide.

Urea Ammonium Nitrate (UAN)

Commonly referred to as 28%, 30% or 32% nitrogen solution, UAN may be added in place of other spray additives to improve control of cocklebur, devilsclaw, Pennsylvania smartweed, velvetleaf, venice mallow, wild mustard, and wild sunflower. **Basagran** plus a nitrogen solution will not provide adequate control of common ragweed and common lambsquarters. If these weeds or other weeds requiring oil concentrate are present in addition to velvetleaf, then oil concentrate should also be used.

Ammonium Sulfate (AMS)

When used, add 3 quarts of liquid AMS (8-8-0 analysis) or 2.5 pounds of granular AMS. Use only fine feed-grade or spray-grade AMS because inferior grades of AMS do not dissolve adequately and can plug spray nozzles. BASF does not recommend applying AMS if applied in less than 10 gallons per acre because of potential problems with precipitation in reduced volumes. Use AMS only if it has been demonstrated to be successful in local experience.

Table 2. Additive Rate Per Acre

Additive	Ground Application	Air Application
AMS ¹	2.5 pounds	2.5 pounds ²
Oil Concentrate	1-2 pints	1 pint
UAN Solution ¹	4-8 pints	2-4 pints
Oil Concentrate + Nitrogen ¹	0.5-1 pint + 2-4 pints of UAN or 1-2 pounds of AMS	

¹ AMS and UAN are not for use in California.

² AMS solution is not recommended due to potential precipitation problems in reduced water volumes. AMS can be used provided a minimum of 10 gallons of solution per acre is applied. Use only if the source of AMS has been demonstrated to be successful in local experience.

IV. General Mixing Information

Additives and/or other pesticides may be mixed in the spray tank with **Basagran** using the information in this section.

Tank Mix Partners/Components

The following products may be tank mixed with **Basagran** according to the specific tank mixing instructions in this label and respective product labels.

• Arrosolo [®] 3-3E/molinate - propanil	• Pinnacle [®] /thifensulfuron
• Atrazine	• Poast [®] /sethoxydim
• Blazer [®] /acifluorfen	• Poast Plus [®] /sethoxydim
• Buctril [®] /bromoxynil	• Propanil
• Clarity [®] /dicamba	• Pursuit [®] DG/imazethapyr
• Classic [®] /chlorimuron	• Pursuit [®] W/imazethapyr
• Cobra [®] /lactofen	• Pursuit [®] W DG/imazethapyr
• Concert [®] /thifensulfuron + chlorimuron	• Raptor [®] /imazamox
• Distinct [®] /diflufenzopyr + dicamba	• Reflex [®] /fomesafen
• Facet [®] 75 DF/quinclorac	• Reliance [®] STS/chlorimuron + thifensulfuron
• FirstRate [®] /cloransulam-methyl	• Resource [®] /flumiclorac
• Flexstar [®] /fomesafen	• Roundup Ultra [®] /glyphosate
• Frontier [®] /dimethenamid	• Scepter [®] /imazaquin
• Londax [®] /bensulfuron	• Sinbar [®] /terbacil
• Liberty [®] /glufosinate	• Starfire [®] /paraquat
• Lightning [™] /imazethapyr + imazapyr	• Stinger [®] /clopyralid
• Marksman [®] /atrazine + dicamba	• Storm [®] /bentazon + acifluorfen
• MCPA	• Synchrony [®] STS [™] /chlorimuron + thifensulfuron
• Paramount [®] /quinclorac	• Thistrol [®] /MCPB
	• 2,4-DB

See section **VI. Crop-Specific Information** for more details. Read and follow the applicable **Restrictions and Limitations** and **Directions For Use** on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

Separate applications should be made if all target weeds are not at the labeled growth stage for treatment at the same time.

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Basagran** with other pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers. BASF does not recommend using tank mixes other than those listed on BASF labeling. Local agricultural authorities may be a source of information when using other than BASF recommended tank mixes.

Compatibility Test for Mix Components

Before mixing additives and/or other pesticides, always perform a compatibility jar test.

For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source at the source temperature.

Add components in the sequence indicated in the **Mixing Order** using 2 teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre.

Always cap the jar and invert 10 cycles between component additions.

When the components have all been added to the jar, let the solution stand for 15 minutes. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, do not mix the ingredients in the same tank.

Mixing Order

When mixing additives and/or other pesticides in a spray tank, add the products to be used in the following sequence.

- 1) **Water.** Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
- 2) **Agitation.** Maintain constant agitation throughout mixing and application.
- 3) **Products in PVA bags.** Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
- 4) **Water-dispersible products** (such as dry flowables, wettable powders, suspension concentrates, or suspo-emulsions).
If an inductor is used, rinse it thoroughly after the component has been added.
- 5) **Water-soluble products** (such as **Basagran® herbicide**). If an inductor is used, rinse it thoroughly after the component has been added.
- 6) **Emulsifiable concentrates** (such as oil concentrate when applicable). If an inductor is used, rinse it thoroughly after the component has been added.
- 7) **Water-soluble additives** (such as AMS or UAN when applicable). If an inductor is used, rinse it thoroughly after the component has been added.
- 8) **Remaining quantity of water.**

Maintain constant agitation during application.

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V. Restrictions and Limitations - All Crops

- **Maximum seasonal use rate:** Do not apply more than a **total of 4 pints** of **Basagran®** herbicide per acre, per season.
- Do not apply more than a total of **2.0 pounds of bentazon a.i.** (from all sources) per acre, per season.
- **Restricted Entry Interval (REI):** Do not enter or allow worker entry into treated areas during the restricted entry interval of **48 hours**.
- Do not apply to weeds under **stress** such as lack of moisture, herbicide injury, mechanical injury or cold temperatures, as unsatisfactory control may result.
- Do not apply to crops subjected to **stress** conditions such as hail damage, flooding, drought, injury, from other herbicides, or widely fluctuating temperatures, as crop injury may result.
- Do not apply to crops that show **injury** (leaf phytotoxicity or plant stunting) produced by any other prior herbicide applications, because this injury may be enhanced or prolonged.
- **Rainfast period:** Rainfall or overhead irrigation within 4 hours after application may reduce the effectiveness of **Basagran**.
- Do not apply through any type of **irrigation** system.

VI. Crop-Specific Information

Apply **Basagran® herbicide** early postemergence before weeds reach the maximum size listed in **Table 1. Application Rates for Specific Weed Growth Stages for All Crops Except Rice** (for rice, see rice section below).

Beans, Dry and Succulent

Beans are tolerant to **Basagran** after the first trifoliate leaf has fully expanded. Even at the tolerant stages, yellowing, bronzing, speckling or burning of leaves may occur under certain conditions (see **Crop-Specific Restrictions and Limitations**). This temporary injury is generally outgrown without delaying podset or maturity or reducing yield. Using oil with **Basagran** may increase injury and may reduce yields.

Tolerant bean types are adzuki, navy, pinto, pink, great northern, kidney, red, white, cranberry, black turtle soup, small lima, large lima, and snap beans.

Crop-Specific Restrictions and Limitations

Do not apply **Basagran** to bean fields until beans have at least the first trifoliate leaf fully expanded because severe crop damage may occur.

Do not apply **Basagran** to blackeyes grown in California or to garbanzo beans or lupines at any stage of growth, as severe crop damage may occur. Do not apply **Basagran** to dry or succulent beans within 30 days of harvest.

Use of an oil additive with **Basagran** on snap beans may increase the leaf burn and injury potential.

California Only: Not recommended for use on adzuki beans. For yellow nutsedge control, apply 2 pints of **Basagran** per acre when plants are 6-8 inches tall. Make a second application at the same rate 10-14 days later.

Tank Mixes - Dry Beans

Basagran may be applied in a tank mix with one of the following herbicides:

- | | |
|------------|--------------|
| •Frontier® | •Pursuit® |
| •Poast® | •Pursuit® DG |

Tank Mixes - Succulent Beans

Basagran may be applied in a tank mix with one of the following herbicides:

- | | |
|-----------|--------------|
| •Poast® | •Pursuit® DG |
| •Pursuit® | |

Corn and Sorghum

Corn types include field, sweet, popcorn, and corn grown for seed or silage. Sorghum types include grain and forage sorghum. Seed producers should consult the seed company regarding tolerance of seed production inbred lines to **Basagran**.

Crop-Specific Restrictions and Limitations

Apply no more than 2 pints of **Basagran** per acre per season in sorghum.

Do not apply to sorghum that is heading or blooming. Do not graze treated corn and sorghum fields for at least 12 days after the last treatment with **Basagran**.

California only: Not recommended for controlling yellow nutsedge in corn or sorghum. Do not use on forage sorghum.

Tank Mixes - Corn and Sorghum

The tank mix of **Basagran** + atrazine is not applicable in California.

Basagran may be applied in a tank mix with one of the following herbicides on corn (including herbicides registered for use in corn hybrids tolerant to glyphosate, glufosinate and imidazolinone):

- | | |
|-------------|-----------------|
| •Atrazine | •Marksman® |
| •Clarity® | •Pursuit® |
| •Distinct® | •Pursuit® DG |
| •Frontier® | •Pursuit® W |
| •Liberty® | •Pursuit® W DG |
| •Lightning™ | •RoundUp Ultra® |

Basagran may be applied in a tank mix with one of the following herbicides in sorghum:

- | | |
|------------|-------------|
| •Atrazine | •Marksman® |
| •Clarity® | •Paramount® |
| •Frontier® | |

Peppermint and Spearmint

Peppermint and spearmint are tolerant to **Basagran**; however, some leaf-burning may occur under certain conditions, such as when plants are growing very actively and have extensive new, succulent tissue. Mint plants generally outgrow this condition within 10 days.

For hairy nightshade and kochia control, **Basagran** may be used up to 4.0 pints per acre as a single application. For kochia control, add oil concentrate.

Tank Mixes - Peppermint and Spearmint

Basagran may be applied in a tank mix with one of the following herbicides:

- | | |
|-----------|-----------|
| •Buctril® | •Sinbar® |
| •Poast® | •Stinger® |

Peas, Dry and Succulent

Peas are tolerant to **Basagran** after 3 pairs of leaves (or 4 nodes) are present. Pea injury such as yellowing, bronzing, speckling or burning of leaves may occur under certain conditions. This temporary injury is generally outgrown without delaying podset or maturity or reducing yield.

Tolerant pea types are garden, English, and southern peas.

In Western irrigated areas, avoid applying **Basagran** during prolonged periods of cold weather (day temperature below 75°F and night temperature below 55°F for 2-5 days) because weed control may be nullified.

Crop-Specific Restrictions and Limitations

Do not apply **Basagran** to dry peas within 30 days of harvest.

Do not apply **Basagran** to succulent peas within 10 days of harvest. In California, do not apply to succulent peas within 30 days of harvest.

Do not apply **Basagran** to peas under stress from root rot.

Do not apply **Basagran** to blackeyes grown in California or to garbanzo beans or to lupines at any stage of growth, as severe crop damage may occur. Do not apply **Basagran** when peas are in bloom.

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Do not add oil to Basagran® herbicide for use on peas, except for use in the Pacific Northwest (PNW).

In-furrow treatments of insecticides or nematicides may also predispose the peas to injury from **Basagran**.

Tank Mixes - Peas

Tank mixes not applicable in California. **Basagran** may be applied in a tank mix with one of the following herbicides:

•MCPA	•Thistrol®
-------	------------

The **Basagran + Thistrol® herbicide** tank mix is for use in ME, NH, VT, MA, CT, RI, NY, PA, NJ, VA, MD, DE, WA, ID, and OR. This tank mix should be applied after the 3-leaf stage (4-node stage) of peas, but not later than 3 nodes before pea flowering.

Notice to user: Due to variability among pea cultivars and in application techniques, neither the manufacturers nor the sellers have determined whether or not the tank mix of **Basagran + Thistrol** can be safely used on all pea crops under all conditions. Therefore determine if the tank mix of **Basagran + Thistrol** can be used safely prior to broad use.

For improved control of pigweed species and common lambsquarters, a tank mix of **Basagran + MCPA** may be used.

Tank Mix Restrictions and Limitations

Do not use crop oil concentrate, other oil-based additives, or any other spray additives or surfactants with these tank mixes.

Do not apply the tank mix to peas when temperatures exceed 90° F.

Do not apply the tank mix to peas after pea flower buds appear.

Crops other than peas may be severely injured by drift. Cotton, beans, grapes, tomatoes, and ornamentals are particularly sensitive to **Thistrol**.

Peanuts

Basagran® herbicide can be applied from peanut cracking through pegging.

Peanut hay and forage may be fed to livestock. In-furrow treatments of insecticides and nematicides may predispose peanuts to injury from **Basagran**.

Crop-Specific Restrictions and Limitations

Do not graze treated peanut fields for at least 50 days after the last **Basagran** treatment.

Tank Mixes - Peanuts

Tank mixes not applicable in California. **Basagran** may be applied in a tank mix with one of the following herbicides:

•Blazer®	•Starfire®
•Frontier®	•2,4-DB amine
•Poast®	

The **Basagran + Starfire® herbicide** tank mix should be applied at the ground crack stage of peanuts to control an early flush of weeds. A second application may be applied up to 28 days after ground crack stage.

Always add a nonionic surfactant containing at least 50% surface active agent at recommended rates to

the **Basagran + Starfire** tank mix.

Tank Mix Restrictions and Limitations

Do not include UAN solution or ammonium sulfate when tank mixing **Basagran + Blazer® + Poast® herbicides**.

Do not use crop oil concentrate or any other oil-based additive with the **Basagran + Starfire** tank mix.

Do not add oil concentrate, UAN, or any other additives to **Basagran + 2,4-DB** tank mix.

Use only amine formulations of 2,4-DB.

Rice

Application Information

Not for use in California.

Apply **Basagran** early postemergence, before weeds exceed the maximum size listed in **Tables 3 and 4**.

Application Equipment

For optimal coverage when applying **Basagran** by air in rice, orient all nozzles straight back. Nozzles must not be located farther out than three-fourths the distance from the center of the aircraft to the end of the wing or rotor.

Alternate flooding culture:

In Texas, Louisiana, Arkansas, and Mississippi, weed growth stages generally correspond to rice that is tillering (stooling) and occur before the permanent flood. **Basagran** must be applied when there is no water on the field and 24 hours or more prior to flooding.

If **Basagran** cannot be applied until after flooding, see directions under **Continuous Flooding Culture**.

Continuous Flooding Culture:

In states using continuous flooding culture, or when treating after the permanent flooding, treatment should be made only when weeds are above the surface of the water. Weeds submerged at the time of application will not be adequately controlled. For early treatment, water may be partly or completely drained to expose more weed growth to spray applications of **Basagran**. Do not raise water level for at least 24 hours after application as unsatisfactory control may result. Do not use ground equipment to apply to flooded fields because splashing will wash **Basagran** off weed leaf surfaces and ineffective control may result.

Crop-Specific Restrictions and Limitations

Rice straw may be fed to livestock.

Do not use **Basagran** on rice fields in which the commercial cultivation of catfish or crayfish is practiced.

Do not use water containing **Basagran** residues from rice cultivation to irrigate crops used for food or feed unless **Basagran** is registered for use on these crops. Do not apply more than 4 pints of **Basagran** per acre per season whether one or two rice crops (including ratoon) are grown that season.

Tank Mixes - Rice

Basagran® herbicide may be applied in a tank mix with one of the following herbicides:

•Arrosolo®	Londax®
•Blazer®	Propanil
•Facet® 75 DF	Storm®

When using **Storm® herbicide** in a tank mix, use 1.5 pints of **Storm** with 0.5-1.0 pint of **Basagran** per acre.

Tank Mix Restrictions and Limitations

Do not apply the **Basagran + Arrosolo® 3-3E herbicide** tank mix to flooded fields.

Due to the potential for crop injury, do not apply oils, surfactants, or liquid fertilizers with the **Basagran + Arrosolo 3-3E** tank mix except as specified on the **Arrosolo 3-3E** label.

Apply the **Basagran + Londax® herbicide** tank mix within 7 days of establishing permanent flood.

Apply the **Basagran + propanil** tank mix only to drained fields.

Do not use crop oil concentrate with the **Basagran + propanil** tank mix.

Add propanil to the tank mix of **Basagran** based on active ingredient (a.i.) of formulation used. Test propanil products for physical tank mix compatibility with **Basagran**.

Apply the **Basagran + Storm® herbicide** tank mix after the 3-leaf stage in rice.

Soybeans

Soybeans are tolerant to **Basagran** at all stages of growth. Slight leaf-speckling and leaf-bronzing may occur under certain conditions, but crops generally outgrow these conditions within 10 days.

Crop-Specific Restrictions and Limitations

Do not graze or cut treated soybean fields for forage or hay for at least 30 days after the last treatment of **Basagran**.

Tank Mixes - Soybeans

Tank mixes not applicable in California.

Basagran may be applied in a tank mix with one of the following herbicides (including RoundUp Ready®, Liberty Link® and STS™ varieties):

•Blazer®	•Pursuit®
•Classic®*	•Pursuit® DG
•Cobra®	•Raptor®
•Concert®*	•Reflex® 2LC
•FirstRate®*	•Reliance® STS*
•Flexstar®	•Resource®
•Frontier®	•Roundup® Ultra
•Liberty®	•Scepter®
•Pinnacle®*	•Synchrony® STS™
•Poast®	•2,4-DB amine
•Poast Plus®	

* For these tank mixes, the use of a nonionic surfactant (1-2 pints per 100 gallon) plus UAN (2-4 pints per acre) is recommended.

Table 3. Application Rates for Rice - Flooded Fields

Weeds Controlled	Application Rates for Weed Growth Stages ¹			
	1.5 pints per acre		2 pints per acre	
	Maximum Height Above Soil	Height Range Above Water Level	Maximum Height Above Soil	Height Range Above Water Level
Cocklebur	10"	3-6"	15"	6-10"
Dayflower	6"	3-5"	10"	5-8"
Redstem	4"	2-3"	8"	4-6"
Smartweed	6"	2-5"	10"	5-8"
Water Plantains				
, Arrowhead	—	—	7"	5-6"
, Common	—	—	7"	5-6"
Yellow Nutsedge	6"	4-5"	10"	6-8"

¹ If a second weed flush develops after the first application, re-treat according to this rate table.

Table 4. Application Rates for Rice - Drained Fields

Weeds Controlled	Application Rates for Weed Growth Stages ¹			
	1.5 pints per acre		2 pints per acre	
	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height
Cocklebur	2-10	10"	10-15	15"
Dayflower	2-10	6"	10-15	10"
Ducksalad	—	—	6-10	6"
Eclipta	4-6	2"	4-6	2"
Gooseweed	4-6	4"	6-10	8"
Redstem	up to 6	4"	6-10	8"
Redweed	4-6	6"	6-10	8"
Smartweed	2-10	6"	10-15	10"
Spikerush	2-6	6"	6-8	8"
Water Plantains				
, Arrowhead	—	—	up to 4	7"
, Common	—	—	up to 4	7"
Yellow Nutsedge	4-6	6"	6-8	10"

¹ If a second weed flush develops after the first application, re-treat according to this rate table.

Crops

This product can be used on the following crops:

- Beans
- Corn
- Peanuts
- Peas
- Peppermint
- Rice
- Sorghum
- Soybeans
- Spearmint

Look inside for complete **Restrictions and Limitations** and **Application Instructions**.

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. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. 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.

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BASF Corporation
Agricultural Products
P.O. Box 13528
Research Triangle Park, NC 27709



BASF

wjm 11-15-00 NVA 2000-04-004-0447

ACCEPTED
with COMMENTS
In EPA Letter Dated

DEC 28 2000

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
7969-45

Fortune[®]

herbicide

Postemergence Herbicide

For use in established turf

A soluble liquid formulation containing:

Active ingredient

Sodium salt of bentazon* (3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide).....44.0%

Inert ingredients 56.0%

Total.....100.0%

*Equivalent to 4 pounds of bentazon per gallon.

EPA Reg. No. 7969-45

KEEP OUT OF REACH OF CHILDREN.

CAUTION

First Aid

If swallowed: Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

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

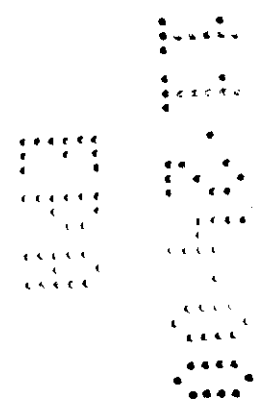
If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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

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

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the **Directions For Use** section for information about this standard.



Net contents: 1 pint, 1 gallon

BASF Corporation
P.O. Box 13528, Research Triangle Park, NC, 27709

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 Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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

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

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 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
- Waterproof gloves
- Shoes plus socks

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 allow this product to freeze. Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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

In case of medical emergency regarding this product, call:

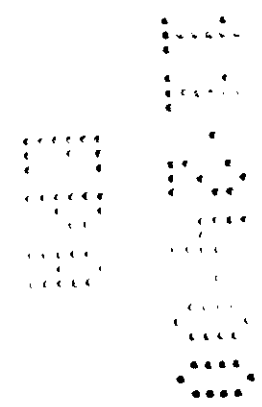
1. Your local doctor for immediate treatment.
2. Your local poison control center (hospital).
3. BASF Corporation 800-832-HELP

Established Turf

General Information

Fortune® herbicide may be used on established bluegrass, fescue, bentgrass, Bermudagrass, bahiagrass, centipedegrass, zoysiagrass, ryegrass, and St. Augustinegrass.

Fortune is intended for postemergence control of yellow nutsedge. **Fortune** does not control grasses. **Fortune** is effective mainly through contact, therefore, all plants must be thoroughly covered with spray.



Application Information

Apply **Fortune**® herbicide post-emergently to actively growing yellow nutsedge under good soil moisture conditions. If desired control of yellow nutsedge is not obtained with the first application, make a second application at intervals of 10-14 days 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 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 **Fortune** according to the label directions. In unmowed turf, make the first application after emergence but before yellow nutsedge is 8 inches tall. Thorough spray coverage of yellow nutsedge is essential for maximum control.

For optimum control, 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 **Fortune**.

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
Fortune	1 teaspoons	2 teaspoons	5 teaspoons (0.75 fl. oz.)	2 pints
Water ^b	0.2 gallon (1.6 pints)	0.4 gallon (3.2 pints)	1 gallons	40 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.

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

Adding oil concentrate to **Fortune** may cause a slight leaf burn when relative humidity and temperature are high. Refer to your supplier of **Fortune** 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 6½ 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. **Fortune**
 2. Tank mix product, if used
 3. 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 **Fortune**.

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 **Fortune**, 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:

1. Stake off a 400 square foot area of turf for practice. This is an area 20' (7 steps) x 20'.
2. 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).
3. 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 **Fortune** 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 **Fortune® herbicide** to turf that has been under stress such as drought, cold temperature or injury from other herbicides or pesticides.

Do not apply **Fortune** 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 **Fortune** 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 **Fortune** contains 0.5 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 **Fortune** contains 0.5 ounce of bentazon.

Rainfall or sprinkler irrigation within 8 hours after application may reduce the effectiveness of **Fortune**.

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

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

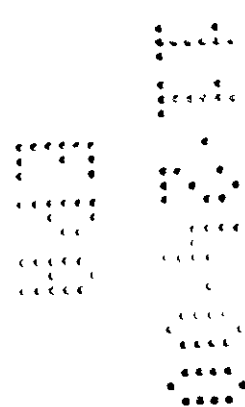
Local professional authorities may be a source of information when using other than BASF recommended combinations. Otherwise, test a small area of the site with the desired tank mix combination and allow 7-10 days to evaluate the potential for injury. Do not apply **Fortune** plus an oil concentrate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

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

When treating turf with **Fortune**, avoid over-the-top spraying of adjacent ornamental trees, shrubs, and flowers. Spraying near the base of established ornamental trees, shrubs, and flowers should not result in injury **except for sycamore and rhododendron**.

Special Information for Irrigated Areas

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



19/33

**Appendix
Sedges Discussed in this Label**

Common Name	Scientific Name
Yellow Nutsedge	<i>Cyperus esculentus</i>

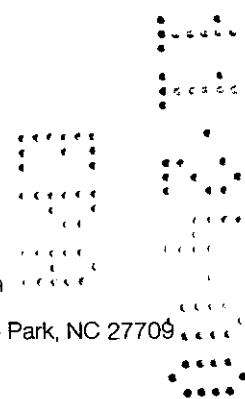
Conditions of Sale and Warranty

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. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. 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.

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BASF Corporation
P.O. Box 13528
Research Triangle Park, NC 27709

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wjm 11-15-00 NVA 2000-04-004-0449

20/33

ACCEPTED
with COMMENTS
In EPA Letter Dated

DEC 28 2000
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
7969-45

Basagran® T/O herbicide

Postemergence Herbicide

For homeowner use in established turf and ornamentals for the control of 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

KEEP OUT OF REACH OF CHILDREN.

CAUTION

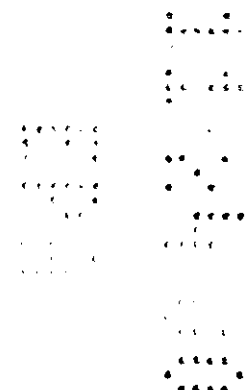
First Aid

If swallowed: Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

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

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Net contents: 8 fluid ounces



**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.

**User Safety Recommendations
Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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

Do not apply directly to water. Do not contaminate water with disposal of equipment wash waters or rinseate.

entazon, 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.

Storage and Disposal

Storage: Keep pesticide in original container. Do not put concentrate or dilute spray into food, feed, or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area. Do not store diluted spray.

Disposal: Securely wrap the original container in several layers of newspaper and discard in trash.

Container: Do not re-use empty container.

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.

In Case of Emergency

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 800-832-HELP

Notice: Buyer assumes all liability, including personal injury and property damage, which may result from the use of this product in a manner inconsistent with labeling directions. If these terms are not acceptable, return at once unopened.

Directions For Use

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.

The following **Directions For Use** are applicable when **Basagran® T/O herbicide** is intended for homeowner use in established turf and ornamentals.

Read the entire label for **Directions For Use and Precautionary Statement**.

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 homeowner use:

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

Established Turf

General Information

Basagran T/O is a selective postemergence herbicide for the control of broadleaf weeds, annual sedges, and yellow nutsedge in established turf. **Basagran T/O** does not control grasses.

Basagran T/O is effective mainly through contact action; therefore, all plants must be thoroughly covered with spray. Weeds controlled by **Basagran T/O** in turf are annual sedges, yellow nutsedge, spurweed, lambsquarters, Venice mallow, shepherdspurse, smartweed, chickweed, common groundsel, ladythumb, jimsonweed, galinsoga, common purslane, cocklebur, beggarticks, wild mustard, wild poinsettia, wild buckwheat, velvetleaf, Canada thistle, and musk thistle.

Weeds suppressed by **Basagran T/O** include: common ragweed, giant ragweed, wild sunflower, and morningglory. Some weeds not controlled include: purple nutsedge, pigweed, plantain, dandelion, onion/garlic, wood sorrel, and spurge.

In California, **Basagran T/O** is registered for use only in established turf to control yellow nutsedge.

Application Information

Basagran T/O may be used on established bluegrass, fescue, bentgrass, bermudagrass, bahiagrass, centipedegrass, zoysiagrass, ryegrass, and St. Augustinegrass. Refer to **Table 1, Application Rate Table for Established Turf** on page 3 for recommended rates of **Basagran T/O** and volumes of water.

Apply **Basagran T/O** postemergently to weeds that are actively growing and 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 in 10-14 days or when new growth appears.

In the northern United States, yellow nutsedge can emerge from May through July; whereas, 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** in accordance with the label directions. In unmowed turf, make 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/1000 square feet with a minimum pressure measured at the nozzle of 40 psi.

Mixing

Fill the tank of a thoroughly clean sprayer half to two-thirds full with clean water. Add **Basagran® T/O herbicide** and shake or stir the spray solution so that **Basagran T/O** and water mix thoroughly. Mix only enough spray solution for one usage; a fresh spray mixture should be used each application.

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 which provide good mixing quality. Highly refined vegetable oils have been observed to be more satisfactory than unrefined vegetable oils. With the addition of oil concentrate to **Basagran T/O**, a slight leaf burn may occur when relative humidity and temperature are high. Refer to your supplier of **Basagran T/O** for information concerning successful local experience prior to purchasing any oil concentrate.

Rate of Oil Concentrate

Use 0.75 fluid oz per 1,000 square feet or a proportionate amount for other sized areas.

Mixing

Fill the tank of a thoroughly clean sprayer half to two-thirds full with clean water. Add **Basagran T/O** and shake or stir the spray solution so that **Basagran T/O** and water mix thoroughly. Add the oil concentrate and the remaining volume of water. Again, shake or stir the spray solution so that the **Basagran T/O**, oil concentrate, and water mix thoroughly. Mix only enough spray solution for one usage; a fresh spray mixture should be used each application.

Restrictions and Limitations

In California, **Basagran T/O** is registered for use only in established turf to control yellow nutsedge.

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

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.

Do not apply **Basagran T/O** to golf course greens or collars.

In perennial ryegrass, apply no more than 0.75 fluid ounces per 1000 square feet at one time and make subsequent applications no less than 21 days later.

Do not apply more than 1.5 fluid ounces of **Basagran T/O** per 1000 square feet per calendar year.

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 calendar year. One fluid ounce of **Basagran T/O** contains 0.5 ounce of bentazon.

Rainfall or sprinkler irrigation soon after application (within 8 hours) may nullify the effectiveness of **Basagran T/O**.

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 used.

When treating turf with **Basagran T/O**, avoid over-the-top spraying of adjacent ornamental trees, shrubs, and flowers.

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

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 drifting spray may cause damage to desired ornamental plants. Rinse equipment with soap and water after use.

Sprayer Calibration Suggestions Hand Sprayers:

1. Stake off a 400 sq. ft. area of turf for practice. This is an area 20 ft. (7 steps) x 20 ft.
2. Add a measured quantity (1.5 gallons for example) of water to the sprayer and uniformly spray the 400 sq. ft. area. Measure water remaining and thereby determine the amount applied per 400 sq ft area. (**Note:** A minimum of 3 pints/400 sq. ft. is recommended).
3. Prepare spray solution according to **Application Rate Table for Established Turf**.

Example: Assume that in Step 2 the 400 sq ft area was uniformly covered with 0.5 gallon of water. Referring to the table, add **Basagran T/O** at the rate of 2-4 teaspoons per 0.5 gallon of water for each 400 sq. ft. of turf to be sprayed. (**Note:** Use of this mixture for spot spraying of 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 gallonage level. Spray the 400 sq. ft. area, noting the new gallonage reading, and thereby determine the amount of water used to spray the area. Then proceed as in Step 3 above.

Table 1. Application Rates* for Established Turf

Area to be Sprayed	200 square feet	400 square feet	1000 square feet
Basagran T/O	1 teaspoon	2 teaspoons	0.75 fl. oz. (5 teaspoons)
Water**	0.2-0.4 gallons (1.6-3.2 pints)	0.4-0.8 gallons (3.2-6.4 pints)	1-2 gallons

* For yellow nutsedge, apply no more than 0.75 fluid ounces per 1,000 square feet at one time. Make a second application 10-14 day later. Apply no more than 1.5 fluid ounces per 1,000 square feet per calendar year. For perennial ryegrass, apply no more than 0.75 fluid ounces per 1,000 square feet at one time. Make a second application no less than 21 days later.

** Quantity of water required to uniformly spray this area with your sprayer. If unknown, refer to preceding section **Sprayer Calibration Suggestions**.

Ornamental Sites

(Not registered for use in California)

General Information

Basagran® T/O herbicide is intended for selective postemergence control of certain broadleaf weeds and sedges.

Refer to **Table 3, Application Rate Table for Ornamental Sites** on page 5 for recommended rates of **Basagran T/O** and water volumes.

Basagran T/O does not control grasses. **Basagran T/O** is effective mainly through contact action; therefore, weeds must be thoroughly covered with spray. Large weed leaf canopies shelter smaller weeds and prevent adequate spray coverage. Some leaf-speckling and leaf-bronzing may occur under certain conditions. (See **Restrictions and Limitations** section.)

Basagran T/O may be applied as a directed spray around all ornamental plants except as restricted in this label.

Timing of Application

Make postemergence applications of **Basagran T/O** early, when weeds are small and actively growing and before weeds reach the maximum size listed in the **Application Rate Table**. Early application to weeds produces the most beneficial effect on weed control (exception: yellow nutsedge and Canada thistle), allows use of the lower rate (depending on weed species), and makes it easier to obtain thorough spray coverage. Delay in application which permits weeds to exceed the maximum size stated will result in inadequate control.

Do not cultivate or mow within five days before or after application of **Basagran T/O**.

Water Volume

Apply recommended rates of **Basagran T/O** with a minimum of 0.5 gallon of water per 1000 square feet.

Mixing

Fill the tank of a thoroughly clean sprayer half to two-thirds full with clean water. Add **Basagran T/O** and shake or stir the spray solution so that **Basagran T/O** and water mix thoroughly.

Mix only enough spray solution for one usage; a fresh spray mixture should be used each application.

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 the following criteria: 1) be nonphytotoxic, 2) contain only EPA-exempt ingredients, 3) provide good mixing quality, and 4) be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers which provide good mixing quality. For vegetable oil concentrates, it has been observed that highly refined vegetable oils are more satisfactory than unrefined vegetable oils.

With the addition of oil concentrate to **Basagran T/O**, a slight leaf burn may occur when relative humidity and temperature are high. Refer to your supplier of **Basagran T/O** for information concerning successful local experience prior to purchasing any oil concentrate.

Rate of Oil Concentrate

For 0.5-1.0 gallons per 1,000 square feet, use 0.75 fluid oz. (5 teaspoons).
For 1.0-2.0 gallons per 1,000 square feet, use 1.5 fluid oz. (10 teaspoons).

Mixing

Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Add **Basagran T/O** and shake or stir the spray solution so that **Basagran T/O** and water mix thoroughly. Add the oil concentrate and the remaining volume of water. Again, shake or stir the spray solution so that the **Basagran T/O**, oil concentrate, and water mix thoroughly. Mix only enough spray solution for one usage; a fresh spray mixture should be used each application.

Restrictions and Limitations

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

Do not apply **Basagran T/O** during prolonged periods of drought or during unseasonably cold weather, as unsatisfactory weed control may result. Rainfall or overhead irrigation soon after application (within 8 hours) may nullify the effectiveness of **Basagran T/O**.

Do not apply more than 1.5 fluid ounces of **Basagran T/O** per 1000 square feet per calendar year.

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 calendar year. One fluid ounce of **Basagran T/O** contains 0.5 ounce of bentazon.

Clean sprayer thoroughly prior to application of **Basagran T/O**, particularly if a herbicide was used which has the potential to injure the ornamental plants to be sprayed with **Basagran T/O**.

Post-directed Applications

Basagran T/O should be applied when weeds are actively growing and before they reach the maximum size listed in the **Application Rate Table for Ornamental Sites**, page 5.

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

Injury may occur with post-directed application of **Basagran T/O** when used under the tree line or over the roots of sycamore and over the roots of rhododendron. Do not use if the risk of injury to these plants is not acceptable.

Ornamental Sites

(Not registered for use in California)

Basagran® T/O herbicide may be applied over-the-top of certain ornamental species listed in **Table 2**.

Notice to User

Due to 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 nonbearing food crops, ornamentals, nursery, and other non-food crops under all conditions. It is, therefore, recommended that the user should determine if

Basagran T/O can be used safely prior to broad use.

Table 2: Ornamental Species for Over-the-Top Applications

Common Name	Scientific Name
Ajuga	<i>Ajuga sp.</i>
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 sp.</i>
Impatiens "Balsam"	<i>Impatiens balsamina</i>
Ivy, English	<i>Hedera helix</i>
Liriope, Green	<i>Liriope muscari</i>
Liriope	<i>Liriope spicata</i>
Mangold, "Aurora Gold"	<i>Tagete erecta</i>
Mugo pine*	<i>Pinus mugo mugo</i>
Oak, red*	<i>Quercus rubra</i>
Ornamental cabbage pansy	<i>Brassica sp.</i>
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 "Densifolmis"	<i>Taxus cuspidata</i>
Yew "Hatfieldii"	<i>Taxus media</i>
Yew "Hicks"	<i>Taxus media</i>

* Make no more than one application per calendar year.

Special Directions for Other Weed Problems (Not registered in California)

Canada Thistle

Apply 0.75 fluid ounces per 1000 square feet of **Basagran T/O** when plants are from 8 inches tall to the bud stage. Make a second application at the same rate 7-10 days later.

Yellow Nutsedge

Two applications are preferred for best results. Apply 0.55-0.75 fluid ounces per 1000 square feet of **Basagran T/O** 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 **Basagran T/O/water** for each application, according to the **Directions for Use**.

Musk Thistle

Apply 0.75 fluid ounces per 1000 square feet of **Basagran T/O** 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 **Basagran T/O/water** for each application, according to the **Directions for Use**.

Table 3: Application Rate Table for Ornamental Sites (Not registered in California)

Weeds Controlled	Application Rates for Weed Growth Stage			
	0.55 fluid ounces (3.5 teaspoons) per 1000 square feet		0.75 fluid ounces (5 teaspoons) per 1000 square feet	
	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height
Balloonvine	2-4	2"	4-5	3"
Beggarticks	Up to 6	6"	6-8	8"
Bristly Starbur	Not Recommended	—	4-6	3"
Cocklebur	2-6*	6"	6-10	10"
Coffee Senna	Not Recommended	—	Up to 1 pinnate	2"
Common Groundsel	Not Recommended	—	2-10	6"
Common Purslane	Up to 4	1"	4-6	2"
Common Ragweed	Not Recommended	—	4-6	3"
Dayflower	Up to 6	4"	6-10	8"
Devilsclaw	Not Recommended	—	Up to 6	3"
Galinsoga	Not Recommended	—	Cotyledon to 6	2"
Giant Ragweed	Not Recommended	—	Up to 4	6"
Jimsonweed	Up to 6	6"	6-10	10"
Ladysthumb	Up to 6	6"	6-10	10"
Pennsylvania Smartweed	Up to 6	6"	6-10	10"
Prickly Sida or Teaweed	Up to 6	3"	6-3	4"
Redweed	4-6	6"	6-10	8"
Sesbania	Not Recommended	—	3-5	3"
Shepherdspurse†	Up to 6	4"	6-10	8"
Spurred Anoda	Up to 6	3"	6-8	4"
Spurweed/Lawn burweed	Not Recommended	—	2-6	3"
Tropic Croton	Up to 2	2"	2-4	4"
Velvetleaf	Up to 4	2"	4-6	5"
Venice Mallow	Up to 6	2"	6-10	4"
Wild Buckwheat	Up to 4	3"	4-6	5"
Wild Mustard	Up to 6	4"	6-10	8"
Wild Poinsettia	2-4	4"	4-8	6"
Wild Sunflower	Up to 4	5"	4-6	8"

For additional weeds see **Special Directions** section.
 * Do not treat earlier than leaf stage shown and do not count cotyledon leaves.
 † Do not treat rosette before seed stalk appears.

Appendix
Broadleaf Weeds Discussed in this Label

Common Name	Scientific Name
Balloonvine	<i>Cardiospermum halicacabum</i>
Beggarticks	<i>Bidens frondosa</i>
Bristly Starbur	<i>Acanthospermum hispidum</i>
Chickweed, Common	<i>Stellaria media</i>
Chickweed, Mouse-ear	<i>Cerastium vulgatum</i>
Cocklebur	<i>Xanthium strumarium</i>
Coffee Senna	<i>Cassia occidentalis</i>
Dandelion	<i>Taraxacum officinale</i>
Dayflower	<i>Commelina spp.</i>
Devilsclaw	<i>Proboscidea louisianica</i>
Florida Pustley	<i>Richardia scabra</i>
Galinsoga	<i>Galinsoga spp.</i>
Groundsel, Common	<i>Senecio vulgaris</i>
Jimsonweed	<i>Datura stramonium</i>
Ladysthumb	<i>Polygonum persicaria</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Morningglory	<i>Ipomoea spp.</i>
Onion/Garlic	<i>Allium spp.</i>
Pennsylvania Smartweed	<i>Polygonum pennsylvanicum</i>
Pigweed	<i>Amaranthus spp.</i>
Plantain	<i>Plantago spp.</i>
Prickly Sida/Teaweed	<i>Sida spinosa</i>
Purslane, Common	<i>Portulaca oleracea</i>
Ragweed, Common	<i>Ambrosia artemisiifolia</i>
Tagweed, 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>
Tropic Croton	<i>Croton glandulosus</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Venice Mallow	<i>Hibiscus trionum</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 spp.</i>
Purple Nutsedge	<i>Cyperus rotundus</i>
Yellow Nutsedge	<i>Cyperus esculentus</i>

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NVA 2000-04-004-0449

BASF Corporation
P.O. Box 13528
Research Triangle Park, NC 27709



26/33

BASF

wjm 11-15-00 NVA 2000-04-004-0448

ACCEPTED
with COMMENTS
In EPA Letter Dated

DEC 28 2000

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

7969-45

Basagran® 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* (3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide).....44.0%

Inert ingredients 56.0%

Total.....100.0%

*Equivalent to 4 pounds of bentazon per gallon.

EPA Reg. No. 7969-45

KEEP OUT OF REACH OF CHILDREN.

CAUTION

First Aid

If swallowed: Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

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

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

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

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

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the **Directions For Use** section for information about this standard.

Net contents: 1 gallon

BASF Corporation
P.O. Box 13528, Research Triangle Park, NC, 27709

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 Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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

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

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 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
- Waterproof gloves
- Shoes plus socks

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 allow this product to freeze. Do not contaminate water, food, or feed by storage or disposal.

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

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

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** herbicide 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
Basagran T/O	1 teaspoons	2 teaspoons	5 teaspoons (0.75 fl. oz.)	2 pints
Water ^b	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.

^b 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** 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 6½ 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 T/O**
 2. Tank mix product, if used
 3. 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:

1. Stake off a 400 square foot area of turf for practice. This is an area 20' (7 steps) x 20'.
2. 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).
3. 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** 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 T/O** 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, MCPP (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, MCPP, 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).

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.

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

Weeds Controlled ^a	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 ^c	2"
Dayflower	Up to 6	4"	6-10	8"
Devilsclaw	Not Recommended	—	Up to 6 ^c	3"
Galinsoga	Not Recommended	—	Cotyledon to 6 ^c	2"
Groundsel, Common	Not Recommended	—	2-10	6"
Ladysthumb	Up to 6	6"	6-10	10"
Lambsquarters ^e , Common	Not Recommended	—	4-8 ^c	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 ^c	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 ^c	3"
Giant ^d	Not Recommended	—	Up to 4	6"
Redweed	4-6	6"	6-10	8"
Sesbania	Not Recommended	—	3-5 ^c	3"
Shepherdspurse ^e	Up to 6	4"	6-10	8"
Spurweed/Lawn burweed	Not Recommended	—	2-6	3"
Sunflower, Wild	Up to 4	5"	4-6	8"

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

Special Directions for Other Weed Problems

<p>Canada Thistle Apply 0.75 fluid ounces of Basagran[®] T/O herbicide per 1,000 square feet (2 pints per acre) of 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>Yellow Nutsedge Two applications are preferred for best results. Apply 0.55-0.75 fluid ounces of Basagran T/O 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 Basagran T/O and water for each application, according to the Directions for Use.</p>
<p>Musk Thistle Apply 0.75 fluid ounces of Basagran T/O 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 Basagran T/O and water for each application, according to the Directions for Use.</p>

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 sp.</i>
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 sp.</i>
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 sp.</i>
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 "Densifomis"	<i>Taxus cuspidata</i>
Yew "Hatfieldii"	<i>Taxus media</i>
Yew "Hicks"	<i>Taxus media</i>

* Make no more than one application per season or 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 Tank Mix

A tank mix application of **Basagran T/O + Pennant® herbicide** 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** label that have not emerged. This tank mix will also control certain broadleaf and grass weeds listed on the **Pennant** 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 Tank Mix

A tank mix of **Basagran T/O + Vantage® herbicides** 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 spp.</i>
Devilsclaw	<i>Proboscidea louisianica</i>
Florida Pusley	<i>Richardia scabra</i>
Galinsoga	<i>Galinsoga spp.</i>
Groundsel, Common	<i>Senecio vulgaris</i>
Ladysthumb	<i>Polygonum persicaria</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Morningglory	<i>Ipomoea spp.</i>
Onion/Garlic	<i>Allium spp.</i>
Pennsylvania Smartweed	<i>Polygonum pennsylvanicum</i>
Pigweed	<i>Amaranthus spp.</i>
Plantain	<i>Plantago spp.</i>
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 spp.</i>
Purple Nutsedge	<i>Cyperus rotundas</i>
Yellow Nutsedge	<i>Cyperus esculentus</i>

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