

MAY 5 2000

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

Dear Dr. Jordan:

SUBJECT: Revised Labeling to Comply with the Bentazon RED  
BASAGRAN® DF Herbicide, Including the Alternate Brand Name Products  
BASAGRAN® T/O and BASAGRAN® SG  
EPA Registration Number: 7969-122  
Your Resubmission Dated March 1, 2000

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

1. On the Basagran DF, T/O and SG labels, add the following sentence at the end of the oral first aid statements, in accordance with the recent Agency guidance in PR Notice 2000-3: "Do not give anything by mouth to an unconscious person."
2. On page 32 of the Basagran DF label, correct the table reference near the top of the middle column. The first sentence in this column should read: "Apply the **Basagran DF + Starfire** tank mix to actively growing weeds before they reach the maximum size listed in the **Rate and Time of Application Table 25**."

A stamped copy of the labeling is enclosed for your records. Please submit one copy of your final printed labeling incorporating these changes before you release the product for shipment.

Sincerely yours,

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

Enclosures

RD:STANTON:PM Team 23:Rm. 239:CM-2:305-5218:Disk #12:7969-122.rrc

CONCURRENCES

SYMBOL	7505C							
SURNAME	S. Stanton							
DATE	May 5, 2000							

ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
MAY 5 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
7969-122

# Basagran<sup>®</sup> DF

herbicide

## Postemergence Herbicide

A formulation containing:

**Active Ingredient:**

Sodium salt of bentazon (3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4 (3H)-one 2,2-dioxide) .....95.0%

**Inert Ingredients:** .....5.0%

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

EPA Reg. No. 7969-122

**KEEP OUT OF REACH OF CHILDREN.**

### **DANGER/PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail).

**First Aid**

**If 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 by a poison control center or doctor.

**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. Call a poison control center or doctor for treatment advice.

**If on skin:** 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. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

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

**Net contents**

**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** for information about this standard.

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**Precautionary Statements  
HAZARDS TO HUMANS (&  
DOMESTIC ANIMALS)**

**DANGER**

Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed. Harmful if absorbed through the skin. This product may cause skin sensitization reactions in some people.

**Personal Protective Equipment (PPE).**

**Applicators and other handlers must wear:**

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

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use them.

**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 Crops**

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. Read the **Precautionary Statement, Environmental Hazards, Storage and Disposal statements, and Conditions of Sale and Warranty** statement appearing in this booklet.

**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
- Protective eyewear

**Storage and Disposal**

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

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:** Dispose of packaging 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.

**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

**General Information**

**Basagran® DF herbicide** is intended for selective postemergence control of certain broadleaf weeds and sedges. (See **Directions For Use** for specific crops and weeds.) **Basagran DF** does not control grasses.

**Basagran DF** is effective mainly through contact action; therefore, weeds must be thoroughly covered with spray. Large crop-and-weed leaf canopies shelter smaller weeds and prevent adequate spray coverage. Labeled crops are tolerant to **Basagran DF**; some leaf-speckling and leaf-bronzing may occur under certain conditions, but crops generally outgrow this condition within 10 days. (See **Restrictions and Limitations** for each crop.)

**Timing of Applications**

Apply **Basagran DF** early, when weeds are small and actively growing and before weeds reach the maximum size listed in the application rate tables for the individual crops. 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. Delay in application permits weeds to exceed the maximum size stated and will result in inadequate control.

**Cultivation**

Do not cultivate within 5 days before or after applying **Basagran® DF** in the following northern and western states: AZ, CA, CO, CT, IA, ID, IL, IN, KS, KY, MA, ME, MI, MN, MO, MT, NE, ND, NH, NJ, NV, NY, OH, OR, PA, RI, SD, UT, VT, WA, WI, WV, and WY. Cultivation may put weeds under stress and reduce control obtained. Timely cultivation 2-3 weeks after applying **Basagran DF** may assist weed control.

**Water Volume and Spray Pressure**

Apply recommended rates of **Basagran DF** as follows:  
**Ground Equipment:** Use 10-20 gallons of water per broadcast acre and a minimum of 40 psi (measured at the boom, not at the pump or in the line). When crop and weed foliage is dense, use up to 50 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 application (CDA) nozzles.  
**Air Equipment:** Use a minimum of 5 gallons of water per acre (except 10 gallons for rice) and a maximum of 40 psi. Use only diaphragm-type nozzles producing cone or fan spray patterns.

**Aerial Application — Special Directions**

To obtain uniform coverage and to avoid drift hazards, the following application equipment and practices should be used:

**Nozzle Height:** Maximum of 10 feet above crop.  
**Nozzle Orientation:** 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. For optimal coverage when applying **Basagran DF** 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. Do not apply **Basagran DF** by aircraft when wind velocity exceeds 10 mph (except above 5 mph in California). Coarse sprays (large droplets) are less likely to drift. Do not apply **Basagran DF** by air if ornamental or sensitive non-target crops, such as cotton, sugar beets, sunflowers or okra are within 200 feet downwind.

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.

**Special information for irrigated areas:** In irrigated areas, it may be necessary to irrigate prior to treatment with **Basagran DF** to ensure that weeds are growing actively. Weeds growing under drought conditions usually are not satisfactorily controlled.

**Addition of Oil Concentrate**

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) should be added to the spray tank for certain weed problems as recommended in the **Directions for Use** for specific crops. The oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria:  
1) be nonphytotoxic, 2) contain only EPA-exempt ingredients, 3) provide good mixing quality in the **Jar Test for Estimating Suitability of Mixes**, and 4) be successful in local experience. The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers that provide good mixing quality. For vegetable oil concentrates, it has been observed that highly

refined vegetable oils are more satisfactory than unrefined vegetable oils. For additional information, see **Jar Test for Estimating Suitability of Mixes**. Adding oil concentrate to **Basagran DF** on soybeans, beans and peanuts may cause a slight leaf burn, but all new growth is normal and crop vigor is not reduced. The potential for leaf burn is increased when relative humidity and temperature are high. A few oil concentrates have exhibited excessive leaf burn. Refer to your supplier of **Basagran DF** for information concerning successful local experience before purchasing any oil concentrate. Do not add oil concentrate to **Basagran DF** for use on peas except as directed for use in the Pacific Northwest (PNW).  
**Rate of Oil Concentrate:**  
**Ground application** - 1.25% v/v; 2 pints per acre (maximum).  
**Air application** - 1.25% v/v; 1 pint per acre (maximum).  
**California:** Refer to additional information under the specific crop (beans, corn, and sorghum).

**Addition of Nitrogen Solution for Velvetleaf and Other Weeds**

Urea Ammonium Nitrate (UAN) solution (commonly referred to as 28%, 30% or 32% nitrogen solution) or ammonium sulfate (AMS) may be added to **Basagran DF** in place of oil concentrate to improve velvetleaf control. Control of cocklebur, wild sunflower, Pennsylvania smartweed, devilsclaw, venice mallow and wild mustard may also be improved. Either nitrogen solution should be added to the tank with **Basagran DF** when velvetleaf is the primary target weed. **Basagran DF** 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. UAN solution is an agricultural grade fertilizer used by local dealers for agricultural applications. Adding UAN solution or UAN solution plus oil concentrate to **Basagran DF** on certain crops may cause a slight leaf burn, but the new growth is normal and crop vigor is not reduced. Refer to your supplier of **Basagran DF** for information concerning successful local experience before using UAN solution.

AMS is a dry granular nitrogen source fertilizer. Several grades of ammonium sulfate are currently available, however, only fine feed grade or spray grade AMS is recommended as an additive to **Basagran DF**. Inferior grades of AMS do not dissolve adequately and can plug spray nozzles. Using AMS requires some preparation in mixing with **Basagran® DF** as compared to UAN. (See **Mixing**.)

Three quarts of liquid AMS (8-0-0 analysis) may be substituted for granular AMS. Do not add nitrogen (UAN or AMS) solutions to **Basagran DF** for use on rice, peanuts, or mint.

#### **Rate of UAN Solution:**

**Ground application:** 2.5-5% v/v (1 gallon per acre maximum)

**Air application:** 2.5-5%v/v (0.5 gallon per acre maximum)

#### **Rate of AMS solution:**

**Ground Application:** 2.5 pounds per acre

**Air application:** 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.

#### **Mixing**

Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation and add **Basagran DF**; allow to mix thoroughly. Add oil concentrate and/or nitrogen solution and remaining volume of water. Maintain constant agitation during application.

#### **Ammonium Sulfate (AMS)**

AMS may be added in place of UAN to the spray solution. Use AMS at 2.5 pounds per acre. Use only fine feed grade or spray grade AMS. Fill sprayer tank two-thirds full with clean water. Begin agitation, slowly add required amount of AMS to the tank. Adding too quickly may clog outlet lines. Allow AMS crystals to dissolve completely.

Complete mixing procedures by addition of **Basagran DF** and remaining water. Maintain agitation during application to ensure complete mixing.

Rinse equipment after use to minimize corrosive activity of AMS.

To determine AMS quality, perform a jar test adding 1/3 cup of AMS to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, predissolve AMS in water and filter before adding it to the spray tank.

#### **Jar Test for Estimating Suitability of Mixes:**

- 1. Water supply:** Use only water from the intended source and at the source temperature.
- 2. Amount of water in jar:**  
**Ground application** - for 20 gallons per acre spray volume, use 3 1/3 cups (800 ml) of water.  
**Air application** - for 5 gallons per acre spray volume, use 5/6 cup (200 ml) of water, or for 10 gallons per acre spray volume, use 1 2/3 cup (400 ml) of water. For other spray volumes, adjust proportionately to above. Add 2/3 the volume of water to the jar.
- 3. Amount of herbicide and oil concentrate and/or UAN to add:** Add herbicides and oil concentrate and/or UAN at the rate of 1 teaspoon (5 ml) for each pint of recommended label rate.
- 4. Add components in the following sequence,** gently mixing between component additions:
  - 1) Basagran DF,** and when applicable, other dry products (dry flowables and wettable powders) when applicable.
  - 2) Water-miscible products** (such as **Blazer**), liquid fertilizers or liquid flowables.
  - 3) Oil concentrate.**
  - 4) Poast® herbicide** or other emulsifiable concentrates when applicable.
  - 5) Add remaining volume of water.**
- 5. Cap jar,** invert 10 cycles, let stand for 15 minutes, evaluate.
- 6. Evaluation:** An ideal tank mix combination will be uniform; thus, the suitability of the mix 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 precipitated layer at the bottom of the jar.
  - Clabbering - thickening texture (coagulated) resembling yogurt or a curd-like texture as with cottage cheese.

#### **Restrictions and Limitations**

Do not apply **Basagran DF** to crops that have been subject 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 **Basagran DF** to crops injured (leaf phytotoxicity or plant stunting) by any prior herbicide applications. This injury may be enhanced or prolonged.

Do not apply **Basagran DF** during prolonged periods of drought or during unseasonably cold weather, as unsatisfactory weed control may result.

Clean sprayer thoroughly before applying **Basagran DF**, particularly if a herbicide was used which has the potential to injure the crop to be sprayed with **Basagran DF**.

Do not apply this product through any type of irrigation system.

Rainfall or overhead irrigation soon after application may decrease the effectiveness of **Basagran DF**.

BASF does not recommend the use of **Basagran DF** tank mixes other than those listed on BASF labels, supplemental labels, or technical bulletins. Reduced efficacy, physical incompatibility or crop injury may result from mixing **Basagran DF** with other pesticides, additives or fertilizers. Local agricultural authorities may be a source of information when using other than BASF recommended combinations.

Do not apply more than a total of 36 ounces of Basagran DF per acre in one season.

Do not apply more than a total of 2.0 pounds of bentazon a.i. (from all sources) per acre per season.

**SOYBEANS**

**Directions For Use**

Apply **Basagran® DF** when weeds are small and actively growing and before weeds reach the maximum size listed in **Table 1**. Such applications generally correspond to the soybean growth stages of unifoliolate to two expanded trifoliolate leaves.

**Mixing with Insecticides**

A need may arise that requires postemergence or foliar control of certain insects in the soybean crop. It is possible to tank mix an insecticide with **Basagran DF** if the proper application timing of the insecticide coincides with the application timing of **Basagran DF**.

Insecticides that may be used are **Furadan® 4F**, **Pounce®**, **Pydrin®**, dimethoate, and **Lorsban 4E**.

Do not tank mix **Basagran DF** with malathion or **Sevin®**. The tank mix addition of an insecticide to **Basagran DF** may increase the potential for crop injury.

Consult the respective labels for **Directions For Use** and **Restrictions and Limitations** of each product. The most restrictive labeling applies in tank mixes.

The exact conditions under which an insecticide is tank mixed with **Basagran DF** may vary and these conditions may reduce good mixing quality.

Before a tank mix of **Basagran DF** and an insecticide is mixed, a jar test should be conducted following the directions in **Jar Test for Estimating Suitability of Mixes**.

**Restrictions and Limitations (partial list)**

Do not apply more than a total of 36 ounces of **Basagran DF** per acre in one season.

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

**Table 1  
Application Rates for Soybeans**

Weeds Controlled	Application Rates for Weed Growth Stages					
	9 oz. per Acre <sup>1</sup>		14 oz. per Acre		18 oz. per Acre	
	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height
Balloonvine	—	—	2-4	2"	4-6	3"
Beggarticks	—	—	Up to 6	6"	6-8	8"
Bristly Starbur	—	—	Up to 4	2"	4-6	3"
Cocklebur <sup>2</sup>	2-4	4"	2-6	6"	6-10	10"
Coffee Senna <sup>3</sup>	—	—	—	—	Up to 1 pinnae	2"
Common Lambsquarters <sup>4</sup>	Up to 4	1"	Up to 6	1 1/2"	4-8	2"
Common Purslane	—	—	Up to 4	1"	4-6	2"
Common Ragweed <sup>4</sup>	—	—	—	—	4-6	3"
Dayflower	—	—	Up to 6	4"	6-10	8"
Devilsclaw <sup>4</sup>	—	—	—	—	Up to 6	3"
Galinsoga <sup>4</sup>	—	—	—	—	Cotyledon to 6	2"
Giant Ragweed <sup>5</sup>	—	—	—	—	Up to 4	6"
Jimsonweed	Up to 4	4"	Up to 6	6"	6-10	10"
Ladysthumb	Up to 4	4"	Up to 6	6"	6-10	10"
Marshelder	—	—	Up to 4	2"	Up to 8	4"
Pennsylvania Smartweed	Up to 4	4"	Up to 6	6"	6-10	10"
Prickly Sida or Teaweed	—	—	Up to 6	3"	6-8	4"
Redweed	—	—	4-6	6"	6-10	8"
Sesbania <sup>4</sup>	—	—	—	—	3-5	3"
Shepherds Purse <sup>6</sup>	—	—	Up to 6	4"	6-10	8"
Spurred Anoda	—	—	Up to 6	3"	6-8	4"
Tropic Croton	—	—	Up to 2	2"	2-4	4"
Velvetleaf <sup>7</sup>	Up to 4	2"	Up to 6	5"	4-6	6"
Venice Mallow	Up to 4	2"	Up to 6	2"	6-10	4"
Wild Buckwheat	—	—	Up to 4	3"	4-6	5"
Wild Mustard	Up to 4	2"	Up to 6	4"	6-10	8"
Wild Poinsettia <sup>4</sup>	—	—	2-4	4"	4-8	6"
Wild Sunflower	Up to 2	3"	Up to 4	5"	4-6	8"

For additional weeds, see **Special Directions** section following.

<sup>1</sup> Apply before the weeds reach the maximum size or leaf stage indicated. If regrowth develops, make a second application of 9 ounces 7-14 days later. (This rate not applicable in California.)

<sup>2</sup> Do not treat earlier than leaf stage shown and do not count cotyledon leaves.

<sup>3</sup> Control may be partial or inconsistent.

<sup>4</sup> Add oil concentrate at a rate (concentration) of 2 pints per acre maximum (1.25% v/v). See **Addition of Nitrogen Solution (UAN or AMS) for Velvetleaf and Other Weeds**.

<sup>5</sup> If a second flush occurs, re-treat field according to this rate table.

<sup>6</sup> Do not treat rosette before seed stalk appears.

<sup>7</sup> Add nitrogen solution according to the section **Addition of Nitrogen Solution** (see page 4) or add oil concentrate according to the section **Addition of Oil Concentrate**.

<b>Special Directions for Other Weed Problems in Soybeans</b>
<p><b>Annual Morningglories</b>  <b>South:</b> (AL, AR, FL, GA, LA, MS, NC, OK, SC, TN, TX, and VA)            To control smallflower and cypressvine morningglories apply either 14 oz. of <b>Basagran DF</b> per acre to plants not larger than 4 true leaves and 4 inches in height, or 18 oz. of <b>Basagran DF</b> per acre to plants not larger than 6 true leaves and 6 inches in height. Add oil concentrate to the spray solution with <b>Basagran DF</b>. (See section <b>Addition of Oil Concentrate</b>.)            To control palmleaf, pitted, tall (common), entireleaf, purple moonflower, and ivyleaf morningglories, apply 14 oz. of <b>Basagran DF</b> per acre to plants not larger than 4 true leaves and 4 inches in height (14-18 days after morningglory emergence).  <b>All states other than the South:</b>            Apply 18-28 oz. of <b>Basagran DF</b> per acre to annual morningglories not larger than 4 true leaves. Control may be partial or inconsistent. Add oil concentrate to the spray solution of <b>Basagran DF</b>/water. (See section <b>Addition of Oil Concentrate</b>.)            Because morningglories grow very rapidly, it is important to watch the growth stage carefully and to be certain that <b>Basagran DF</b> is applied to morningglories before they exceed the maximum size recommended on this label.</p>
<p><b>Canada Thistle</b>            Apply 18 oz. of <b>Basagran DF</b> per acre when plants are from 8 inches tall to bud stage. Make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of <b>Basagran DF</b>. (See section <b>Addition of Oil Concentrate</b>.)</p>
<p><b>Yellow Nutsedge</b>            Two applications are preferred for best results. Apply 14-18 oz. of <b>Basagran DF</b> per acre when plants are 6-8 inches tall. If needed, make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of <b>Basagran DF</b>. Add oil concentrate to the spray solution of <b>Basagran DF</b>.</p>
<p><b>Field and Hedge Bindweed in KY, IL, IN, MI, and OH only</b>            For suppression of field and hedge bindweed, apply 18-28 oz. of <b>Basagran DF</b> per acre when vines are a maximum of 10 inches long. Add oil concentrate to the spray solution with <b>Basagran DF</b>.</p>
<p><b>Late Cocklebur Rescue Treatment</b>            This treatment only provides partial control of cocklebur in the event early postemergence treatments were not made. Very thorough spray coverage is essential. Apply a single application of 18-28 oz. of <b>Basagran DF</b> per acre to plants up to 24 inches tall. For better control, apply 14 oz. of <b>Basagran DF</b> to plants up to 24 inches tall, repeat 10-14 days later.</p>
<p><b>Late Velvetleaf Rescue Treatment</b>            Partial velvetleaf control can be obtained in the event postemergence treatments were not made. Thorough coverage is essential. Apply a single application of 28 oz. per acre of <b>Basagran DF</b> plus 1 quart of oil concentrate and 1 gallon of UAN solution to velvetleaf plants up to 12 inches. For better control, apply 14 oz. per acre of <b>Basagran DF</b> plus 1 quart of oil concentrate plus 1 gallon of UAN solution (AMS may be substituted) followed in 4-7 days with the same treatment.</p>



9/56

**Soybeans**

**Tank Mixes with Basagran® DF**

Use the following chart as a guide to determine broadleaf weeds and grasses controlled by **Basagran DF** alone and various tank mixes with **Basagran DF**.

<b>Basagran DF Tank Mixes* — Guide to Additional Weeds Controlled</b>	
<b>Basagran DF Controls Weeds Listed in Table 1 Additional Weed Control by Tank Mixing with Basagran DF</b>	<b>Refer to Table Listed Below for Rate, Weed Size and Additive Information</b>
<b>Blazer® Herbicide</b>	
Crotalaria Morningglories Nightshade, Black Pigweed, Redroot , Smooth Ragweed, Common (larger growth stage) Sesbania Waterhemp, Tall	<b>Basagran DF + Blazer</b> Tables 2, 3, and 4, Pages 10-11
<b>Classic® Herbicide</b>	
Cocklebur (later growth stages) Jimsonweed Ladysthumb Mallow, Venice Smartweed, Pennsylvania Sunflower, Wild Velvetleaf	<b>Basagran DF + Classic</b> Table 14, Page 20
<b>Pinnacle® Herbicide</b>	
Pigweed, Redroot , Smooth Sunflower, Wild Waterhemp, Tall	<b>Basagran DF + Pinnacle</b> Table 13, Page 19
<b>Pursuit® Herbicide</b>	
Barnyardgrass Crabgrass, Large , Smooth Foxtails Johnsongrass, Seedling Shattercane	<b>Basagran DF + Pursuit</b> Table 15, Page 21
<b>Reflex® 2LC Herbicide</b>	
Crotalaria Morningglories Nightshade, Black Pigweed, Redroot , Smooth Ragweed, Common Sesbania Waterhemp, Tall	<b>Basagran DF + Reflex 2LC</b> Page 12
<b>2,4-DB</b>	
Morningglories (Ivyleaf, Tall, Entireleaf) Vines up to 6" long	<b>Basagran DF + 2,4-DB</b> Table 5, Page 13
<b>Scepter® Herbicide</b>	
Pigweed, Redroot , Smooth Sunflower, Wild Waterhemp, Tall	<b>Basagran DF + Scepter</b> Table 6, Page 13

\* Tank mixes not applicable in California.

<b>Basagran DF Tank Mixes* — Guide to Additional Weeds Controlled (continued)</b>	
<b>Basagran DF Controls Weeds Listed in Table 1 Additional Weed Control by Tank Mixing with Basagran DF</b>	<b>Refer to Table Listed Below for Rate, Weed Size and Additive Information</b>
<b>Poast® Herbicide</b>	
Barnyardgrass Crabgrass, Large , Smooth Cupgrass, Woolly Goosegrass Foxtail, Giant , Green , Yellow Johnsongrass, Seedling Junglerice Millet, Wild Proso Panicum, Fall , Texas Signalgrass, Broadleaf Sprangletop, Red Witchgrass	<b>Basagran DF + Poast</b> Table 7, Page 14
<b>Poast + Blazer Herbicides</b>	
See weeds listed above for <b>Poast</b> and <b>Blazer</b> .	<b>Basagran DF + Poast + Blazer</b> Table 8, Page 15
<b>Poast Plus® Herbicide</b>	
See weeds listed for <b>Poast</b> .	<b>Basagran DF + Poast Plus</b> Table 9, Page 16
<b>Poast Plus + Blazer Herbicides</b>	
See weeds listed above for <b>Poast Plus</b> and <b>Blazer</b> .	<b>Basagran DF + Poast Plus + Blazer</b> Table 10, Page 17
<b>Blazer + Poast or Poast Plus Spot Treatment</b>	
	<b>Basagran DF + Blazer + Poast or Poast Plus</b> Table 11, Page 18

**Basagran® DF and Blazer® Tank Mixes\* — Soybeans**

**General Information**

For postemergence broadleaf weed control, refer to **Tables 2, 3, and 4** as determined by weed problems and geographical area.

**Table 2** - Northern States

**Table 3** - All states (except California)

**Table 4** - Southern States

**Timing of Application**

All applications of **Basagran DF** should be timed according to the weed growth stages indicated in **Table 1** and when the weeds are actively growing.

With **Blazer** in the tank mix, applications of **Basagran DF** should be timed according to the weed growth stages indicated in **Tables 2, 3, and 4** when the weeds are actively growing.

If weeds are not at the correct growth stage for treatment at the same time, separate applications should be made. Delay in application permits weeds to exceed the maximum size stated and will result in inadequate control.

**Water Volume and Spray Pressure**

**Ground equipment:** Refer to the **Directions For Use - All Crops**

**Air equipment:** Use a minimum of 10 gallons of total spray solution per acre. Refer to **Directions For Use - All Crops.**

**Rates of Additives**

Use 1-2 pints (1.25% v/v) of oil concentrate per acre. If velvetleaf is the primary weed target and lambsquarters or common ragweed are not a problem, use either 0.5-1 gallon UAN (2.5-5% v/v) or 2.5 pounds of ammonium sulfate per acre.

**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. This combination is recommended for use in areas of low humidity and moderate temperatures when lambsquarters, ragweed, and velvetleaf are to be controlled.

Excessive crop injury can occur with this combination in high humidity and high temperature regions. Do not exceed recommended rates and adjust additive rate proportionately to gallonage applied.

**Ground Application:** Use oil concentrate\* at 2 pints per 100 gallons of spray solution (0.25% v/v) plus UAN at 2.5 gallons per 100 gallons of spray solution (2.5 % v/v). AMS may be used at 6.25 pounds per 100 gallons of spray solution.

\* A nonionic surfactant can be substituted for oil concentrate.

**Restrictions and Limitations (partial list)**

Read and follow **Restrictions and Limitations** on the **Basagran DF** and **Blazer** labels. The most restrictive labeling applies to tank mixes.

Do not apply **Blazer** within 50 days of harvest (see **Blazer** label).

Do not graze treated soybean fields and do not feed treated soybean forage, ensilage or hay to livestock (see **Blazer** label).

\*Tank mix not applicable in California.

**Table 2**  
**Northern States<sup>1</sup>**  
**Basagran DF + Blazer Tank Mix Additional Weed Control — Soybeans**  
**Rate and Time of Application**

Product	Rate Per Acre	Weeds Controlled/Weed Size <sup>2</sup>			Additive Rate Per Acre
<b>Basagran DF</b>	9-18 oz. according to weed species and size (See <b>Table 1</b> , page 6)	Apply rate of <b>Basagran DF</b> according to weed sizes in <b>Table 1</b> .			1-2 pints oil concentrate (1.25% v/v) or if velvetleaf is the primary weed target and lambsquarters or common ragweed are not a problem, use 0.5-1 gallon UAN <sup>3</sup> (2.5-5% v/v) or 2.5 pounds ammonium sulfate or 0.25% v/v oil concentrate plus 2.5% v/v UAN <sup>5</sup>
plus	plus				
<b>Blazer</b> <sup>4</sup>	0.5 pint		<b>Leaf Stage</b>	<b>Max. Height</b>	
		Pigweeds (Redroot and Smooth)	Up to 4	<2"	
		Tall Waterhemp	Up to 4	<2"	

<sup>1</sup> For the purpose of this table, Northern States are the following states and those to the north thereof: MD, WV, OH, IN, IL, KS and MO (except southeastern MO, Jefferson county and south).  
<sup>2</sup> See **Table 4** to control additional weeds.  
<sup>3</sup> See **Addition of Nitrogen Solution**, page 4.  
<sup>4</sup> Apply tank mix early, when weeds are small and actively growing before weeds reach maximum height listed.  
<sup>5</sup> Excessive crop injury can occur with this tank mix in high humidity and high temperature regions. Do not exceed the recommended rates and adjust the additive rate proportionately to the water volume applied.

**Table 3**  
**All States Except California**  
**Basagran DF + Blazer Tank Mix Additional Weed Control — Soybeans**  
**Rate and Time of Application**

Product	Rate Per Acre	Weeds Controlled/Weed Size			Additive Rate Per Acre
Basagran DF plus Blazer	9-18 oz. according to weed species and size (See Table 1 page 6)				1-2 pints oil concentrate (1.25% v/v) or if velvetleaf is the primary weed target and lambsquarters or common ragweed are not a problem, use 0.5-1 gallon UAN <sup>3</sup> (2.5-5% v/v) or 2.5 pounds ammonium sulfate or 0.25% v/v oil concentrate plus 2.5% v/v UAN <sup>4</sup>
	plus	plus	Leaf Stage	Max. Height	
	1 pint	Black Nightshade	Up to 2	<2"	
		Common Ragweed <sup>1</sup>	Up to 10	6"	
		Crotalaria	Up to 6	6"	
		Giant Ragweed <sup>1</sup>	Up to 10	6"	
		Morningglories <sup>2</sup>	Up to 2	2"	
		Redroot Pigweed	Up to 6	<4"	
		Sesbania	Up to 4 pinnate	6"	
		Smooth Pigweed	Up to 6	<4"	
		Tall Waterhemp	Up to 6	<4"	

<sup>1</sup> Requires 18 oz. of **Basagran DF**.  
<sup>2</sup> For consistent control of common (tall) morningglory use the 14 oz. rate of **Basagran DF**.  
<sup>3</sup> See section **Addition of Nitrogen Solution**, page 4.  
<sup>4</sup> Excessive crop injury can occur with this tank mix in high humidity and high temperature regions. Do not exceed the recommended rates and adjust the additive rate proportionately to the water volume applied.

**Table 4**  
**Southern States<sup>1</sup>**  
**Basagran DF + Blazer Tank Mix Additional Weed Control — Soybeans**  
**Rate and Time of Application**

Product	Rate Per Acre	Weeds Controlled	Leaf Stage	Weed Size Max. Height	Additive Rate Per Acre
Basagran DF + Blazer	9 oz. + 1 pint	Black Nightshade	Up to 2	2"	Oil concentrate 1.25% v/v (2 pints maximum)
		Bristly Starbur	4-6	3"	
		Carpetweed	—	2"	
		Cocklebur <sup>2</sup>	2-6	6"	
		Common Lambsquarters <sup>3</sup>	4-6	2"	
		Common Ragweed	4-6	3"	
		Crotalaria	Up to 6	6"	
		Giant Ragweed	Up to 4	6"	
		Jimsonweed	Up to 6	6"	
		Ladysthumb	Up to 6	6"	
		Morningglories <sup>4</sup>	Up to 2	2"	
		Pennsylvania Smartweed	Up to 6	6"	
		Prickly Sida (Teaweed) <sup>3</sup>	Up to 4	2"	
		Redroot Pigweed	Up to 6	<4"	
		Redweed	2-4	3"	
		Sesbania	Up to 4	6"	
		Smooth Pigweed	Up to 6	<4"	
		Spurred Anoda <sup>3</sup>	Up to 4	2"	
		Tall Waterhemp	Up to 6	<4"	
		Velvetleaf <sup>3</sup>	Up to 4	2"	
		Venice Mallow	Up to 6	2"	
		Tropic Croton	2	<2"	
		Woolly Croton	2	<2"	
		Wild Mustard	Up to 6	4"	

<sup>1</sup> For the purpose of this table, Southern States are AL, AR, FL, GA, KY, LA, MS, NC, OK, SC, TN, TX, VA and Southeastern MO (Jefferson Co. and south).  
<sup>2</sup> Do not treat earlier than the two-leaf stage and do not count cotyledon leaves.  
<sup>3</sup> For consistent control, increase rate of **Basagran DF** to 14 oz.  
<sup>4</sup> For common (tall) morningglory, increase rate of **Basagran DF** to 14 oz.

**Basagran® DF + Reflex 2LC Tank Mix — Soybeans**

**General Information**

A tank mix of **Basagran DF** herbicide and **Reflex 2LC** herbicide may be applied for postemergence control of the major troublesome broadleaf weed species in soybeans.

**Basagran DF** and **Reflex 2LC** are selective postemergence herbicides that control annual broadleaf weeds. Apply the tank mix to actively growing weeds. Refer to this label and the **Reflex 2LC** labels for defined environmental conditions and recommended rates. Weed sizes and growth stages for susceptible weed species are described in these labels.

Refer to sections: **Directions For Use - All Crops, Water Volume and Spray Pressure, and Mixing** for more information.

**Rate**

**Basagran DF** may be used in the tank mixes at rates of 9-18 oz. per acre in each of the regions listed for **Reflex 2LC**. Refer to tank mix table below for the recommended use rate of **Reflex 2LC** in Regions 1, 2, 3, 4, and 5. Geographic description of these regions is included in the **Reflex 2LC** label.

**Rates of Additives**

Use 1-2 pints (1.25% v/v) oil concentrate. If velvetleaf is the primary weed target and lambsquarters or common ragweed are not a problem, use either 0.5-1 gallon UAN

(2.5-5% v/v) or 2.5 pounds of ammonium sulfate. In areas of low humidity and moderate temperatures, 0.25% v/v oil concentrate can be combined with 2.5% v/v UAN.

**Oil Concentrate Plus Nitrogen Solution**

A nonphytotoxic oil concentrate (as referred to above) plus a nitrogen solution (UAN or AMS) can be added to the spray tank. This combination is recommended for use in areas of low humidity and moderate temperatures when lambsquarters, ragweed, and velvetleaf are to be controlled.

Excessive crop injury can occur with this combination in high humidity and high temperature regions. Do not exceed recommended rates and adjust additive rate proportionately to gallonage applied.

**Restrictions and Limitations (Partial List)**

Always read and follow the restrictions and limitations for each product. The most restrictive labeling applies in tank mixes.

**Reflex 2LC** can be applied only in the states or parts of states included in Regions 1, 2, 3, 4, and 5 as described on the **Reflex 2LC** label.

**Do not apply Reflex 2LC to any field in Regions 2, 3, 4, and 5 more than once every two years.**

A maximum of 1.6 pints (0.375 pounds ai) per acre of **Reflex 2LC** may be applied per growing season for soybeans in Region 1. A maxi-

mum of 1.6 pints (0.375 pound ai) per acre may be applied in alternate years in Region 2. A maximum of 1.3 pints (0.313 pound ai) per acre may be applied in alternate years in Region 3. A maximum of 1 pint (0.25 pound ai.) per acre may be applied in alternate years in Region 4. A maximum of 0.75 pint (0.1875 pound ai) per acre may be applied in alternate years in Region 5. Refer to **Reflex 2LC** label for recommendations concerning crop rotation.

Do not apply a total of more than 36 ounces of **Basagran DF** herbicide per acre in one season on soybeans.

**Do not make more than one application of the Basagran DF/ Reflex 2LC tank mix in a single season.**

Use of **Basagran DF + Reflex 2LC** tank mix during periods of dry weather when crop and weeds are under stress and not actively growing may result in reduced weed control.

Do not apply to drought stressed weeds or weeds which have gone through an extended dry period. In the event of a crop loss due to weather conditions, only soybeans can be replanted (see **Reflex 2LC** label).

Avoid drift to all other crops and nontarget areas. Crops other than soybeans may be severely injured by drift.

Do not graze treated areas or harvest for forage or hay (see **Reflex 2LC** label).

**Application Rates for Basagran DF and Reflex 2LC in Tank Mix**

Region <sup>1</sup>	Basagran DF <sup>2</sup>	Reflex 2LC <sup>2</sup>	Oil Concentrate	Nitrogen Solution	Oil Concentrate Plus <sup>3</sup> Nitrogen Solution
1	9-18 oz./A	1-1.6 pts./A	1.25% v/v	2.5-5% v/v	0.25% v/v + 2.5% v/v
2	9-18 oz./A	1-1.6 pts./A	1.25% v/v	2.5-5% v/v	0.25% v/v + 2.5% v/v
3	9-18 oz./A	1-1.3 pint/A	1.25% v/v	2.5-5% v/v	0.25% v/v + 2.5% v/v
4	9-18 oz./A	1 pint/A	1.25% v/v	2.5-5% v/v	0.25% v/v + 2.5% v/v
5	9-18 oz./A	0.75 pint/A	1.25% v/v	2.5-5% v/v	0.25% v/v + 2.5% v/v

<sup>1</sup> See the **Reflex 2LC** label for states or parts of states included in regions.

<sup>2</sup> Consult labels for each product for specific weeds controlled.

<sup>3</sup> Recommended for use in areas of low humidity and moderate temperatures, when lambsquarters, ragweed, and velvetleaf are to be controlled.

**Basagran® DF + 2,4-DB Tank Mix\* — Soybeans**

**General Information**

These directions are intended to provide the user of **Basagran DF** with instructions for tank mixing with 2,4-DB (such as **Butyrac 200** or **Butoxone 200** herbicides) to control entireleaf, tall (common), and ivyleaf morningglories. Apply to actively growing weeds at the recommended growth stages.

Refer to sections: **Directions For Use - All Crops, Water Volume and Spray Pressure, and Mixing** for more information.

**Restrictions and Limitations (partial list)**

Read and follow the **Restrictions and Limitations** on the labels for **Basagran DF** and 2,4-DB. The most restrictive labeling applies in tank mixes. Use only amine formulations of 2,4-DB.

Do not apply more than 1 application of this tank mix per season. Do not apply within 60 days of harvest (see label for 2,4-DB). The use of this tank mix will cause soybean foliage injury (such as burning, bronzing or crinkling) and may reduce yields. Do not use this tank mix on soybeans that show symptoms of disease such as phytophthora root rot (see label for 2,4-DB).

\*Tank mix not applicable in California.

**Table 5**  
**Basagran DF + 2,4-DB Tank Mix For Additional Weed Control in Soybeans**  
**Rate and Time of Application**

Product	Rate Per Acre	Weeds Controlled/Weed Size		Additive Rate Per Acre
Basagran DF	14-18 oz. according to weed species and size (See <b>Table 1</b> page 6)	Apply rate of <b>Basagran DF</b> according to weed sizes in <b>Table 1</b> .		Nitrogen solution 1.25-2.5% v/v (1 quart maximum)
plus 2,4-DB (amine formulation)	plus 2 fl. oz. of <b>Butoxone 200</b> or <b>Butyrac 200</b> (0.03 pound ae <sup>1</sup> )	Morningglories Ivyleaf Tall (Common) Entireleaf	Vines up to 6" long	

<sup>1</sup> Acid equivalent

**Basagran® DF + Scepter Tank Mix\* — Soybeans**  
**Northern States Only.**

**General Information**

The tank mix of **Basagran DF** plus **Scepter** herbicide will control pigweeds in addition to those weeds controlled by **Basagran DF**. Apply to actively growing weeds at the recommended growth stages.

Refer to sections: **Directions For Use - Soybeans, Water Volume and Spray Pressure, and Mixing** for more information.

**Restrictions and Limitations (partial list)**

Read and follow the **Restrictions and Limitations** on the labels for **Basagran DF** and **Scepter**. The most restrictive labeling applies in tank mixes. Observe all geographical and rotational crop restrictions on the label for **Scepter®** or **Scepter 70 DG**.

\*Tank mix not applicable in California.

**Table 6**  
**Northern States<sup>1</sup>**  
**Basagran DF + Scepter Tank Mix For Additional Weed Control in Soybeans**  
**Rate and Time of Application**

Product	Rate Per Acre	Weeds Controlled/Weed Size			Additive Rate Per Acre
Basagran DF	9-18 oz. according to weed species and size (See <b>Table 1</b> page 6)	Apply rate of <b>Basagran DF</b> according to weed sizes in <b>Table 1</b> .			Oil concentrate 1.25% v/v (2 pints maximum)
plus Scepter or Scepter 70 DG	plus 1/3 pint or 1.4 oz	Redroot Pigweed Smooth Pigweed Tall Waterhemp Wild Sunflower	<b>Leaf Stage</b>	<b>Max. Height</b>	
			Up to 6 Up to 6 Up to 6 Up to 6	3" 3" 3" 3"	

<sup>1</sup> Northern States, for the purpose of this table are the following states: IA, southern MI, southern WI, PA, NJ, DE, NE, KS, MD, WV, OH, IN, IL, and MO (except southeastern: Jefferson County and south). See label for **Scepter** or **Scepter 70 DG** for list of approved states and parts of states.



**Basagran® DF + Blazer + Poast Tank Mix\* — Soybeans**

**General Information**

**Basagran DF, Poast® and Blazer® herbicides** may be tank mixed for postemergence control of broadleaf and grass weeds. Apply to actively growing weeds at the recommended growth stages.

Separate applications should be made if:

- a) all weeds to be controlled are not at the correct growth stage for treatment at the same time. **or**
- b) grasses to be controlled include rhizome johnsongrass, quackgrass, Bermudagrass, wirestem muhly, volunteer corn, shattercane, volunteer cereals, wild oats, red rice or itchgrass.

See **Table 12, Soybeans or Peanuts, Separate Applications of Basagran DF or Basagran DF + Blazer Tank Mix Preceded or Followed by Poast.**

**Water Volume and Spray Pressure**

**Ground equipment:** Use a minimum of 10 gallons of total spray solution per acre (broadcast basis) and a minimum of 40 psi. Use standard high pressure hollow cone or flat fan nozzles spaced 20 inches apart. **Do not** use flood or whirl chamber nozzles.

**Air equipment:** Use a minimum of 5 gallons of water per acre and a maximum of 40 psi.

Refer to **Directions For Use - All Crops for Mixing** information.

**Early Spot Spray**

When using knapsack sprayers or high volume equipment with hand-guns (or other suitable nozzle arrangements), prepare the spray solution according to **Table 11**. Apply to foliage on a spray-to-wet basis. Complete coverage of all foliage is essential for control. Control of perennial grassy weeds may be limited to burnoff of exposed foliage.

Observe all safety precautions when spot spraying **Basagran DF + Blazer + Poast** tank mix.

**Restrictions and Limitations (partial list)**

Read and follow the restrictions and limitations on the labels for **Basagran DF, Poast, and Blazer**. The most restrictive labeling applies in tank mixes. Do not apply tank mix within 75 days of harvest. Do not graze treated soybean fields and do not feed treated soybean forage, ensilage or hay to livestock (see labels for **Blazer** and **Poast**). Do not include nitrogen solution when tank mixing.

\*Tank mix not applicable in California.

**Table 8**  
**Basagran DF + Blazer + Poast Tank Mix<sup>1</sup> For Additional Weed Control in Soybeans or Peanuts**  
**Rate and Time of Application**

Product	Rate Per Acre	Weeds Controlled/Weed Size				Additive Rate Per Acre
<b>Basagran DF</b>	9-18 oz. according to weed species and size (See <b>Table 1</b> page 6)	Apply <b>Basagran DF</b> according to weed sizes in <b>Table 1</b> .				Oil concentrate 1.25% v/v (2 pints maximum)  <b>Note:</b> Do not include a nitrogen solution when tank mixing.
plus	plus	Barnyardgrass Broadleaf Signalgrass Fall Panicum Giant Foxtail Goosegrass Green Foxtail Junglerice Large Crabgrass Red Sprangletop	3-8" 3-8" 3-8" 3-8" 3-6" 3-8" 3-8" 3-6" 3-8"	Seedling Johnsongrass Smooth Crabgrass Texas Panicum Wild Proso Millet <sup>2</sup> Witchgrass Woolly Cupgrass Yellow Foxtail	3-8" 3-6" 4-10" 3-8" 3-8" 3-8"	
plus	plus					
<b>Blazer<sup>3</sup></b>	0.5-1 pint Use 0.5 pint for pigweed (up to 2") only. 1 pint if weeds at right are present.	Black Nightshade Common Ragweed Crotalaria Morningglories <sup>3</sup> Redroot Pigweed Sesbania Smooth Pigweed Tall Waterhemp		<b>Leaf Stage</b> Up to 6 Up to 10 Up to 6 Up to 4 Up to 6 Up to 4 pinnate Up to 6 Up to 6	<b>Max. Height</b> 2" 6" 6" 4" <4" 6" <4" <4"	

<sup>1</sup> Tank mix does not control rhizome johnsongrass, quackgrass, Bermudagrass, wirestem muhly, volunteer corn, shattercane, volunteer cereals, wild oats, red rice, or itchgrass.  
<sup>2</sup> To control wild proso millet only, include **Poast** in tank mix at 0.75 pint per acre.  
<sup>3</sup> For consistent control of common (tall) morningglory, use the 14 oz. rate of **Basagran DF**.



**Basagran® DF + Poast Plus Tank Mix\* — Soybeans**

**General Information**

**Basagran DF and Poast Plus® herbicides** may be tank mixed for postemergence control of the broadleaf and grass weeds shown in this table. Apply to actively growing weeds at the recommended growth stages. Separate applications should be made if:

- a) all weeds to be controlled are not at the correct growth stage for treatment at the same time, or
- b) grasses to be controlled include rhizome johnsongrass, quackgrass, bermudagrass, wirestem muhly, shattercane, volunteer cereals, wild oats, red rice or itchgrass.

See **Table 12, Soybeans and Peanuts, Separate Applications of Basagran DF or Basagran DF + Blazer Tank Mix Preceded or followed with Poast or Poast Plus**, page 18.

**Water Volume and Spray Pressure**

**Ground equipment:** Use a minimum of 10 gallons of total spray solution per acre (broadcast basis) and 40 psi. Use standard high-pressure hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood or whirl chamber nozzles.

**Air equipment:** Use a minimum of 5 gallons of total spray solution per acre.

**Additives**

At the low rate of **Poast Plus** (1.5 pint per acre) the additive **Dash HC® spray adjuvant** plus a nitrogen solution must be used. To control the additional grasses listed in **Table 9**, use the higher rate of **Poast Plus** (2.25 pints per acre) and either **Dash HC** or oil concentrate. To enhance weed control, UAN or AMS may also be added. Refer to **Directions For Use - All Crops** for **Mixing** information.

**Restrictions and Limitations (partial list)**

Read and follow the restrictions and limitations on the labels for **Basagran DF and Poast Plus**.

The most restrictive labeling applies in tank mixes.

Do not apply tank mix within 75 days of harvest (see label for **Poast Plus**).

Do not graze treated soybean fields and do not feed treated soybean forage (green, succulent) or ensilage to livestock. Treated soybean hay may be fed (see label for **Poast Plus**).

\*Tank mix not applicable in California.

**Table 9  
Basagran DF + Poast Plus Tank Mix<sup>1</sup> For Additional Weed Control in Soybeans  
Rate and Time of Application**

Product	Rate Per Acre	Weeds Controlled/Weed Size				Dash HC or Oil Concentrate	Nitrogen Solution
Basagran DF	9-18 oz. according to weed species and size (See Table 1 page 6)	Broadleaves and Sedge				—	—
		Apply rate of <b>Basagran DF</b> according to weed sizes in Table 1.					
plus	plus	Annual Grasses				Dash HC (1 pt./acre)	2.5-5% v/v
Poast Plus	1.5 pints	Fall Panicum Giant Foxtail Green Foxtail	4-10" 3-8" 3-8"	Volunteer Corn Witchgrass Woolly Cupgrass Wild Proso Millet <sup>2</sup>	1-12" 3-8" 3-8" 4-10"		
plus	plus	Barnyardgrass Broadleaf Signalgrass Crabgrass, Large , Smooth Goosegrass	3-8" 3-8" 3-6" 3-6" 3-6"	Junglerice Red Sprangletop Seedling Johnsongrass Texas Panicum Yellow Foxtail	3-8" 3-8" 3-8" 3-8" 3-8"		
Poast Plus	2.25 pints <sup>2,3</sup>					Dash HC (1 pt./acre) or Oil concentrate (2 pts./acre)	2.5-5% v/v

<sup>1</sup> Tank mix does not control the following weeds: rhizome johnsongrass, Bermudagrass, wirestem muhly, shattercane, volunteer cereals, wild oats, red rice, or itchgrass.  
<sup>2</sup> To control wild proso millet only, include **Poast Plus** in the tank mix at 1.25 pints per acre.  
<sup>3</sup> The 2.25 pints per acre rate of **Poast Plus** will also control all grasses listed at the 1.5 pint rate.

**Basagran® DF + Blazer + Poast Plus Tank Mix\* — Soybeans**

**General Information**

**Basagran DF, Poast Plus® and Blazer® herbicides** may be tank mixed for postemergence control of broadleaf and grass weeds. Apply to actively growing weeds at the recommended growth stages. Separate applications should be made if:

- a) all weeds to be controlled are not at the correct growth stage for treatment at the same time, or
- b) grasses to be controlled include rhizome johnsongrass, quackgrass, Bermudagrass, wirestem muhly, volunteer corn, shattercane, volunteer cereals, wild oats, red rice or itchgrass.

See **Table 12, Soybeans or Peanuts, Separate Applications of Basagran DF or Basagran DF + Blazer Tank Mix Preceded or Followed by Poast or Poast Plus.**

**Water Volume and Spray Pressure**

**Ground equipment:** Use a minimum of 10 gallons of total spray solution per acre (broadcast basis) and a minimum of 40 psi. Use standard high pressure hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood or whirl chamber nozzles.

**Air equipment:** Use a minimum of 5 gallons of water per acre and a maximum of 40 psi.

Refer to **Directions For Use - All Crops** for **Mixing** information.

**Early Spot Spray**

When using knapsack sprayers or high volume equipment with hand-guns (or other suitable nozzle arrangements), prepare the spray solution according to **Table 11**. Apply to foliage on a spray-to-wet basis. Complete coverage of all foliage is essential for control. Control of perennial grassy weeds may be limited to burnoff of exposed foliage.

Observe all safety precautions when spot spraying **Basagran DF + Blazer + Poast Plus** tank mix.

**Restrictions and Limitations (partial list)**

Read and follow the restrictions and limitations on the labels for **Basagran DF, Poast Plus, and Blazer**. The most restrictive labeling applies in tank mixes.

Do not apply tank mix within 75 days of harvest.

Do not graze treated soybean fields and do not feed treated soybean forage, ensilage or hay to livestock (see labels for **Blazer** and **Poast Plus**).

Do not include nitrogen solution when tank mixing.

\*Tank mix not applicable in California.

**Table 10**  
**Basagran DF + Blazer + Poast Plus Tank Mix<sup>1</sup> For Additional Weed Control in Soybeans or Peanuts**  
**Rate and Time of Application**

Product	Rate Per Acre	Weeds Controlled/Weed Size				Additive Rate Per Acre
<b>Basagran DF</b>	9-18 oz. according to weed species and size (See <b>Table 1</b> page 6)	Apply <b>Basagran DF</b> according to weed sizes in <b>Table 1</b> .				Oil concentrate 1.25% v/v (2 pints maximum)  <b>Note:</b> Do not include a nitrogen solution when tank mixing.
— plus —	plus	Barnyardgrass Broadleaf Signalgrass Fall Panicum Giant Foxtail Goosegrass Green Foxtail Junglerice Large Crabgrass Red Sprangletop	3-8" 3-8" 3-8" 3-8" 3-6" 3-8" 3-8" 3-6" 3-8"	Seedling Johnsongrass Smooth Crabgrass Texas Panicum Wild Proso Millet <sup>2</sup> Witchgrass Woolly Cupgrass Yellow Foxtail	3-8" 3-6" 4-10" 3-8" 3-8" 3-8" 3-8"	
<b>Poast Plus<sup>1</sup></b>	2.25 pints	plus				
— plus —	plus					
<b>Blazer<sup>3</sup></b>	0.5-1 pint Use 0.5 pint for pigweed (up to 2") only; 1 pint if weeds at right are present.	Black Nightshade Common Ragweed Crotalaria Morningglories <sup>3</sup> Redroot Pigweed Sesbania Smooth Pigweed Tall Waterhemp	Leaf Stage Up to 6 Up to 10 Up to 6 Up to 4 Up to 6 Up to 4 pinnate Up to 6 Up to 6	Max. Height 2" 6" 6" 4" <4" 6" <4" <4"		

<sup>1</sup> Tank mix does not control rhizome johnsongrass, quackgrass, Bermudagrass, wirestem muhly, volunteer corn, shattercane, volunteer cereals, wild oats, red rice, or itchgrass.  
<sup>2</sup> To control wild proso millet only, include **Poast Plus** in tank mix at 1.25 pints per acre.  
<sup>3</sup> For consistent control of common (tall) morningglory, use the 14 oz. rate of **Basagran DF**.

**Table 11**  
**Basagran DF + Blazer + Poast or Poast Plus Tank Mix**  
**Soybeans or Peanuts**  
**Spot Treatment Application Table**

See annual grasses and broadleaves listed in Table 8.	Concentration in Spray Solution			
	Blazer	Poast	Oil Concentrate	
	1%	1%	—1%	
Desired Spray Solution Volume	Amount to be Added to Obtain a 1% Solution			
	Basagran DF	Poast	Poast Plus	Oil Concentrate
1 Gallon	0.75 dry oz.	1 <sup>1</sup> / <sub>4</sub> Fl. Oz.*	2.0 Fl. Oz.*	1 <sup>1</sup> / <sub>4</sub> Fl. Oz.
25 Gallons	18.0 dry oz.	1 Qt.	1.5 Qt.	1 Qt.
50 Gallons	37.0 dry oz.	2 Qts.	3.0 Qts.	2 Qts.
100 Gallons	73.0 dry oz.	4 Qts.	6.0 Qts.	4 Qts.

\* 2 Tablespoons = 1 Fl. Oz.

**Soybeans - Separate Applications of Basagran® DF or Basagran DF + Blazer Tank Mix\* Preceded or Followed by Poast or Poast Plus**

Applications of **Basagran DF** herbicide or **Basagran DF** tank mixed with **Blazer®** herbicide can be preceded or followed by **Poast®** or **Poast Plus®** herbicides to obtain broad spectrum control of weeds listed on the respective product labels (refer to this label and the labels for **Poast** or **Poast Plus**, and **Basagran DF + Blazer** tank mix). Also refer to these product labels for timing, rate, and other information for ground and aerial applications.

For best results when making separate applications, a minimum period of time is recommended between applications, depending on their order, according to **Table 12**.

\*Tank mix not applicable in California.

**Table 12**  
**Soybeans or Peanuts**  
**Separate Applications of Basagran DF or Basagran DF + Blazer Tank Mix\* Preceded or followed by Poast or Poast Plus**

Order of Application		Minimum Time Between Applications
First Product(s) Applied	Second Product(s) Applied	
Basagran DF	Poast or Poast Plus	24 hours
Basagran DF + Blazer	Poast or Poast Plus	7 days
Poast or Poast Plus	Basagran DF or Basagran DF + Blazer	24 hours

\* Tank mixes not applicable in California.

**Basagran DF + Pinnacle Tank Mix — Soybeans**

**General Information**

The tank mix of **Basagran DF + Pinnacle® herbicide** will control certain weeds not controlled by **Basagran DF** or **Pinnacle** alone (see **Table 13**).

The tank mix is effective mainly through contact action. Therefore, weeds must be thoroughly covered with spray. Large crop-and-weed leaf canopies shelter smaller weeds and prevent adequate spray coverage.

**Time and Rate of Application**

The rates of application and weed sizes for the use of this tank mix are given in the **Table 13**. Applications of this tank mix made to weeds that are in the cotyledon stage, larger than the size in **Table 13**, or to weeds under stress, may result in unsatisfactory control. Soybeans are tolerant to the tank mix of **Basagran DF + Pinnacle** after the first trifoliolate soybean leaf has fully expanded; however, under conditions of high temperature or humidity some leaf-bronzing or leaf-speckling of soybean foliage may occur. Soybean plants will generally out-grow this condition within 10-14 days.

**Water Volume and Spray Pressure**

Apply recommended rates of this tank mix as follows:

**Ground equipment**

**Broadcast application:** Use a minimum of 20 gallons of water per acre on a broadcast basis. Use a minimum of 40 psi (measured at the boom not at the pump or in the

line). Do not use flood, hollow cone, whirl chamber, or controlled droplet application (CDA) nozzles.

**Band application:** For band application, apply proportionately less. Calibrate band applicator to not exceed labeled rate.

**Air equipment:** Use a minimum of 5 gallons of water per acre. Consult the respective labels for special directions for aerial applications.

Refer to **Directions For Use - All Crops** for **Mixing** information.

**Additives**

Applications of **Basagran DF** plus **Pinnacle** tank mix must include a nonionic surfactant at the rate (concentration) of 1-2 pints per 100 gallons of spray solution (0.125%-0.25% v/v). USING THE HIGHER RATE OF NONIONIC SURFACTANT, PARTICULARLY UNDER HOT, HUMID CONDITIONS, MAY INCREASE TEMPORARY CROP INJURY.

Use only EPA-approved surfactants authorized for use on food crops. Use a nonionic surfactant of at least 80% active ingredient.

Under dry conditions or during cool weather, a crop oil concentrate at 4 pints per 100 gallons of spray solution (0.5% v/v) may be used to enhance weed control. Use a petroleum based crop oil concentrate (0.5% v/v) with at least 15% emulsifiers/surfactant. USING CROP OIL CONCENTRATE MAY INCREASE TEMPORARY INJURY TO SOYBEANS.

Apply a nitrogen solution to control velvetleaf. Use 1 gallon per acre maximum (2.5-5% v/v). Refer to **Direction For Use - All Crops** for details.

**Restrictions and Limitations (partial list)**

Always read and follow all **Restrictions and Limitations** when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using tank mixes.

Do not apply within 60 days of harvesting soybeans.

Do not graze animals on green forage or stubble. Do not utilize hay or straw for animal feed or bedding.

Do not apply if rain is expected within 1 hour of application or unsatisfactory weed control may result.

Do not apply this tank mix through any type of irrigation system.

Do not cultivate within 7 days before or after application of this tank mix.

Do not allow spray from either ground or aerial equipment to drift onto adjacent crops or land, as injury to other plants may occur. Consult the respective labels for details.

Do not tank mix with organophosphate insecticides.

Do not apply within 14 days before or after an organophosphate insecticide as severe crop injury may occur.

Thoroughly clean sprayer immediately after spraying. See label for **Pinnacle "Sprayer Cleanup"**.

\*Tank mix not applicable in California.

**Table 13**  
**Basagran DF + Pinnacle Tank Mix - Soybeans**

Weeds Controlled	Basagran DF (14 oz./acre) + Pinnacle (1/4 oz./acre) Height	Basagran DF (14 oz./acre) + Pinnacle (1/8 oz./acre) Height	Basagran DF (9 oz./acre) + Pinnacle (1/4 oz./acre) Height	Additive Rate <sup>1</sup>
Cocklebur	2-6"	2-6"	2-4"	Nonionic surfactant at 0.125-0.25% v/v (1-2 pints per 100 gallons spray solution) + Nitrogen <sup>2</sup> solution 2.5-5% v/v
Common Lambsquarters	2-4"	—	2-4"	
Jimsonweed	2-6"	2-6"	2-6"	
Ladysthumb	2-6"	2-6"	2-6"	
Pennsylvania Smartweed	2-6"	2-6"	2-6"	
Redroot Pigweed	2-8"	2-4"	2-8"	
Smooth Pigweed	2-8"	2-4"	2-8"	
Tall Waterhemp	2-8"	2-4"	2-8"	
Velvetleaf	2-5"	2-5"	2"	
Venice Mallow	2"	2"	2"	
Wild Buckwheat	2-3"	2-3"	—	
Wild Mustard	Up to 4" diameter	Up to 4" diameter	Up to 4" diameter	
Wild Sunflower	5-6"	2-5"	2-4"	

<sup>1</sup> Refer to **Additives** for specific rates and environmental conditions.

<sup>2</sup> Nitrogen solution is referred to as 28-32% UAN or AMS. Refer to section titled **Addition of Additives**.

**Basagran® DF + Classic**

**General Information**

The tank mix of **Basagran DF** plus **Classic® herbicide** will improve control of certain weeds listed on the **Basagran DF** or **Classic** labels (see **Table 14**). The tank mix is effective mainly through contact action. Therefore, weeds must be thoroughly covered with spray.

**Time and Rate of Application**

The rates of application and weed sizes for the use of this tank mix are given in **Table 14**. Applications of this tank mix made to weeds that are in the cotyledon stage, larger than the sizes in **Table 14**, or to weeds under stress, may result in unsatisfactory control.

Soybeans are tolerant to the tank mix of **Basagran + Classic**, however, under high temperatures or humidity, some leaf-bronzing or leaf-speckling of soybean foliage may occur. Soybean plants generally outgrow this condition in 10-14 days.

**Water Volume and Spray Pressure**

Apply recommended rates of this tank mix as follows:

**Ground Equipment:**

**Broadcast Application:** Use a minimum of 20 gallons of water per acre on a broadcast basis. Use flat fan nozzles with a minimum of 40 psi (measured at the boom, not at the pump or in the line). Do not use flood, hollow cone, whirl chamber, or controlled droplet application (CDA) nozzles.

**Air Equipment:** Use a minimum of 5 gallons of water per acre. Consult the respective labels for special directions for aerial applications.

**Additives**

Applications of **Basagran DF + Classic** tank mix must include a nonionic surfactant at the concentration of 1-2 pints per 100 gallons of spray solution (0.125-0.25% v/v). USING THE HIGHER RATE OF NONIONIC SURFACTANT MAY INCREASE TEMPORARY CROP INJURY, PARTICULARLY UNDER HOT, HUMID CONDITIONS. Use only EPA-approved surfactants authorized for use on food crops. Use a nonionic surfactant of at least 80% active ingredient.

Do not use **Dash® HC spray adjuvant**. Under hot, dry conditions or during cool weather, a crop oil concentrate at 4 pints per 100 gallons of spray solution (0.5% v/v) may be used to enhance weed control. Use a petroleum-based crop oil concentrate with at least 15% emulsifiers or surfactant. USING A CROP OIL CONCENTRATE MAY INCREASE TEMPORARY INJURY TO SOYBEANS.

Adding ammonium nitrogen fertilizer is required to control velvetleaf. Use a high quality liquid nitrogen fertilizer such as 28-0-0 at a rate of 2-4 quarts per acre or 10-34-0 at 1-2 quarts per acre. Alternatively, a high quality, sprayable grade of ammonium sulfate (21-0-0) may be used at 2.5 pounds per acre.

Adding ammonium nitrogen fertilizer does not replace the need for a surfactant. Use a lower rate of nitrogen fertilizer for aerial applications.

**Restrictions and Limitations (Partial List)**

Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.

Do not apply within 60 days of harvesting soybeans.

Do not graze animals on green forage or stubble. Do not use hay or straw for animal feed or bedding.

Do not apply if rain is expected within 1 hour of application or unsatisfactory weed control may result.

Do not apply this tank mix through any type of irrigation system.

Do not cultivate within 7 days before or after application of this tank mix.

Do not allow spray from either ground or aerial equipment to drift onto adjacent crops or land, as injury to other plants may occur. Consult the respective labels for details.

Do not tank mix with organophosphate insecticides.

Do not apply within 14 days before or after an organophosphate insecticide as severe crop injury may occur.

Thoroughly clean sprayer immediately after spraying. See **Classic** label for "Sprayer Cleanup."

**Table 14. Basagran DF + Classic Tank Mix for Soybeans**

Weeds Controlled <sup>1</sup>	Basagran DF 14 ounces per acre + Classic 0.25 ounce per acre	
	Height	Additive Rate <sup>2</sup>
Cocklebur	2-8"	Nonionic surfactant at 0.125-.025% v/v (1-2 pints per 100 gallons of spray solution) + nitrogen solution <sup>3</sup>
Jimsonweed	2-6"	
Ladysthumb	2-8"	
Pennsylvania Smartweed	2-8"	
Velvetleaf	2-6"	
Venice Mallow	2"	
Wild Sunflower	2-5"	

<sup>1</sup> This tank mix improves control of these weeds.

<sup>2</sup> Refer to **Additives** for specific rates and environmental conditions.

<sup>3</sup> Nitrogen solution is referred to as 28-32% UAN or AMS. Refer to section titled **Addition of Additives**.

**Basagran® DF + Pursuit Tank Mix\* — Soybeans**

**General Information**

The tank mix of **Basagran DF + Pursuit®** will control certain weeds not controlled by **Basagran DF** or **Pursuit** alone (see **Table 15**).

The tank mix is effective mainly through contact action. Therefore, weeds must be thoroughly covered with spray. Large crop-and-weed leaf canopies shelter smaller weeds and prevent adequate spray coverage. Sensitive crops include leaf vegetables, sugar beets, and cotton.

**Time and Rate of Application**

Rates of application and weed sizes for the use of this tank mix are given in **Table 15**.

Apply to actively growing weeds before they reach the maximum

size listed in the application table. Such applications should be applied within 14-28 days after planting.

**Water Volume and Spray Pressure**

Apply recommended rates of this tank mix as follows:

**Ground equipment only:** Use a minimum of 10 gallons of water per acre on a broadcast basis. Use a minimum of 40 psi (measured at the boom, not at the pump or in the line) when using flat fan nozzles and 40-60 psi when using hollow cone nozzles. Do not use flood, whirl chamber, or controlled droplet application (CDA) nozzles.

**Air equipment:** Use a minimum of 5 gallons of water per acre. Consult the respective labels for special directions for aerial applications.

**Restrictions and Limitations (partial list)**

Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive labeling applies when using a tank mix.

Do not apply the tank mix of **Basagran DF** plus **Pursuit** within 85 days of soybean harvest.

Do not apply this tank mix through any type of irrigation system.

Do not allow spray to drift onto adjacent crops or land, as injury to other plants may occur. Consult the respective labels for details.

Do not apply with ground equipment when wind velocity is greater than 10 mph, or when spray may be carried to sensitive crops.

Do not spray by air when wind velocity is greater than 5 mph.

\* Tank mix not applicable in California.

**Table 15  
Basagran DF + Pursuit Tank Mix - Soybeans**

Weeds Controlled <sup>1</sup>	Basagran DF 9 oz./A	Basagran DF 14 oz./A	Basagran DF 14 oz./A	Additive Rate
	+ Pursuit 2 oz./A	+ Pursuit 2 oz./A	+ Pursuit 4 oz./A	
<b>Broadleaf Weeds</b>	<b>Maximum Weed Size</b>			
Cocklebur	4"	6"	8"	
Common Lambsquarters	1"	1.5"	2"	
Jerusalem Artichoke	—	—	10"	
Jimsonweed	4"	6"	6"	
Kochia	<1"	<2"	4"	
Marshelder	—	2"	3"	
Morningglory entireleaf	—	—	2"	
Ivyleaf	—	—	2"	
Pitted	—	—	2"	
Smallflower	—	—	3"	
Tall	—	—	2"	
Nightshade, Black	<2"	<2"	3"	
Eastern Black	<2"	<2"	3"	
Hairy	<2"	<2"	3"	
Pigweed, Palmer	4"	4"	8"	
Redroot	4"	4"	8"	
Smooth	4"	4"	8"	
Prickly Sida/Teaweed	—	3"	3"	Nonionic surfactant <sup>2</sup> (1 quart per 100 gallons) plus Nitrogen solution <sup>3</sup> 2.5-5% v/v (2 quarts per acre maximum)
Ragweed, Common	—	<2"	3"	
Giant	<2"	<2"	3"	
Smartweed, Ladysthumb	4"	6"	6"	
Pennsylvania	4"	6"	6"	
Waterhemp, Tall	2"	2"	4"	
Velvetleaf	2"	5"	5"	
Venice Mallow	2"	2"	2"	
Wild Buckwheat	—	3"	3"	
Wild Mustard	2"	4"	4"	
Wild Sunflower	3"	5"	5"	
<b>Grasses</b>				
Barnyardgrass	—	—	3"	
Crabgrass, Large	—	—	3"	
Smooth	—	—	3"	
Foxtails, Giant	—	—	3"	
Green	—	—	3"	
Giant Green	—	—	3"	
Robust Purple	—	—	3"	
Robust White	—	—	3"	
Yellow	—	—	3"	
Johnsongrass, Seedling	—	—	8"	
Red rice	—	—	3"	
Shattercane	4"	4"	8"	

<sup>1</sup> Refer to respective labels for a complete list of the weeds controlled.

<sup>2</sup> Use a nonionic surfactant containing at least 80% active ingredient.

**Dash HC® spray adjuvant** may be substituted at 1 quart per acre for the nonionic surfactant. **Dash HC** is recommended when weeds have been subjected to heat or moisture stress.

<sup>3</sup> UAN is referred to as 28-32% nitrogen solution. AMS may be used at the rate of 17 pounds per 100 gallons of spray solution.

**Basagran DF on Corn and Sorghum - Directions For Use)**  
 Apply **Basagran DF** herbicide to actively growing weeds before they reach the maximum size listed in the **Application Rate Table for Corn and Sorghum (Table 16)**. Such applications generally correspond to the crop growth stages of 1-5 leaves. Sorghum is tolerant to **Basagran DF** at all stages of growth up to and including early boot stage.  
 Very slight leaf speckling of corn

and sorghum may occur, but plants generally outgrow this condition within 10 days. Corn types include field, sweet, popcorn, and corn grown for seed or silage. Sorghum types include grain and forage sorghum.  
**Restrictions and Limitations**  
 Do not apply more than a total of 36 ounces per acre in one season in corn or 18 ounces per acre in one season in sorghum.  
 Seed producers should consult the seed company regarding tolerance

of seed production inbred lines to **Basagran DF**.  
 Do not apply to sorghum that is heading or blooming.  
 Do not graze treated fields for at least 12 days after the last treatment with **Basagran DF**.

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

**Table 16**  
**Application Rates for Corn, Sorghum**

Weeds Controlled	Application Rates for Weed Growth Stages <sup>1</sup>			
	14 oz. Per Acre		18 oz. Per Acre	
	Leaf Stage	Maximum Height	Leaf Stage	Maximum Height
Beggarticks	Up to 6	6"	6-8	8"
Bristly Starbur	Up to 4	2"	4-6	3"
Cocklebur <sup>1</sup>	2-6	6"	6-10	10"
Common Lambsquarters <sup>2</sup>	—	—	4-8	2"
Common Ragweed <sup>2</sup>	—	—	4-6	3"
Dayflower	Up to 6	4"	6-10	8"
Devilsclaw <sup>2</sup>	—	—	Up to 6	3"
Galinsoga <sup>2</sup>	—	—	Cotyledon to 6	2"
Giant Ragweed <sup>3</sup>	—	—	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"	6-8	4"
Spurred Anoda	Up to 6	3"	6-8	4"
Tropic Croton	Up to 2	2"	2-4	4"
Velvetleaf <sup>4</sup>	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 Sunflower	Up to 4	5"	4-6	8"

For additional weeds, see **Special Directions** section following.  
<sup>1</sup> Do not treat earlier than leaf stage shown and do not count cotyledon leaves.  
<sup>2</sup> Add oil concentrate according to **Addition of Oil Concentrate**, page 4. Nitrogen solution may be substituted for oil concentrate for all weeds except common lambsquarters, common ragweed, and galinsoga. If velvetleaf is present with weeds requiring oil concentrate, a nitrogen solution plus oil concentrate may be used.  
<sup>3</sup> If a second weed flush develops after the first application, re-treat according to this rate table (corn only).  
<sup>4</sup> See **Addition of Nitrogen Solution**, page 4.

<p><b>Special Directions for Other Weed Problems in Corn</b></p> <p><b>Morningglories</b>  <b>South:</b> (AL, AR, FL, GA, LA, MS, NC, OK, SC, TN, TX, and VA)          To control smallflower and cypressvine morningglories apply either 14 oz. of <b>Basagran DF</b> per acre to plants not larger than 4 true leaves and 4 inches in height, or 18 oz. of <b>Basagran DF</b> per acre to plants not larger than 6 true leaves and 6 inches in height. To control palmleaf, pitted, tall (common), entireleaf, purple moonflower and ivyleaf morningglories, apply 14 oz. of <b>Basagran DF</b> per acre to plants not larger than 4 true leaves and 4 inches in height (14-18 days after morningglory emergence). Make a second application at the same rate of 5-14 days later.  <b>All states other than the South (see above):</b>          Apply 18-28 oz. of <b>Basagran DF</b> per acre to annual morningglories not larger than 4 true leaves. Control may be partial or inconsistent. Add oil concentrate to the spray solution of <b>Basagran DF</b>/water.          Because morningglories grow very rapidly, it is important to watch the growth stage carefully and to be certain that <b>Basagran DF</b> is applied to morningglories before they exceed the maximum size recommended on this label.          Add oil concentrate to the spray solution of <b>Basagran DF</b>/water for each application (see section <b>Addition of Oil Concentrate</b>).</p>
<p><b>Canada Thistle</b>          Apply 18 oz. of <b>Basagran DF</b> per acre when plants are from 8 inches tall to the bud stage. If needed, make a second application at the same rate 7-10 days later.</p>
<p><b>Yellow Nutsedge</b>          Two applications are recommended for best results. Apply 14-18 oz. of <b>Basagran DF</b> per acre when plants are 6-8 inches tall. If needed, make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of <b>Basagran DF</b> and water for each application (see <b>Addition of Oil Concentrate</b>).</p>
<p><b>Field and Hedge Bindweed in KY, IL, IN, MI, and OH only</b>          For suppression of field and hedge bindweed, apply 18-28 oz. of <b>Basagran DF</b> per acre when vines are no more than 10 inches long. Add oil concentrate to the spray solution of <b>Basagran DF</b>/water according to the <b>Addition of Oil Concentrate</b>.</p>
<p><b>Late Cocklebur Rescue Treatment</b>          This treatment only provides partial control of cocklebur in the event early postemergence treatments were not made. Very thorough spray coverage is essential. Make a single application of 18-28 oz. of <b>Basagran DF</b> per acre to plants up to 24 inches tall, or for best results, apply 14 oz. of <b>Basagran DF</b> to plants up to 24 inches tall, repeat 10-14 days later.          Add oil concentrate to the spray solution according to directions in <b>Addition of Oil Concentrate</b>.</p>
<p><b>Special Directions for Other Weed Problems in Sorghum</b></p>
<p><b>Annual Morningglories</b>          Apply 18 oz. of <b>Basagran DF</b> per acre to annual morningglories not larger than 4 true leaves. Control may be partial or inconsistent. Add oil concentrate to the spray solution of <b>Basagran DF</b> and water according to <b>Addition of Oil Concentrate</b>.          Because morningglories grow very rapidly, it is important to watch the growth stage carefully and to be certain that <b>Basagran DF</b> is applied to morningglories before they exceed the maximum size recommended (See page 25).</p>
<p><b>Canada Thistle</b>          Apply 18 oz. of <b>Basagran DF</b> per acre when plants are from 8 inches tall to the bud stage. Control may be partial or inconsistent.</p>
<p><b>Yellow Nutsedge</b>          Apply 14-18 oz. of <b>Basagran DF</b> per acre when plants are 6-8 inches tall. Add oil concentrate according to section <b>Addition of Oil Concentrate</b>. Control may be partial or inconsistent.</p>



**Basagran® DF plus Atrazine Tank Mix\* — Corn and Sorghum (Not for use in California)**

The tank mix of **Basagran DF** + atrazine effectively controls a large spectrum of broadleaf weeds on the labeling of both products. To control annual morningglories, Canada thistle, and yellow nutsedge, refer to **Special Directions for Other Weed Problems in Corn and Sorghum**. Atrazine products should be tested for physical tank mix compatibility with **Basagran DF**. Refer to the respective atrazine labels for additional directions and limitations. **Always add** nitrogen solution or oil concentrate according to the sections regarding addition of oil concentrate and addition of nitrogen solution.

**Mixing and spray equipment:**

Use intake, in-line, or nozzle screens finer than 50 mesh. Fill tank of a thoroughly clean sprayer half to two-thirds full of clean water. Start agitation. Add atrazine and allow to wet and mix thoroughly. Maintain agitation and add **Basagran DF** and nitrogen solution, and/or oil concentrate; allow to mix. **Dash HC® spray adjuvant** may be substituted for oil concentrate. Mix thoroughly. Maintain constant agitation during application. Avoid allowing the mixture to stand overnight. Always clean sprayer thoroughly immediately after use by flushing the system with water and a strong detergent. Do not allow cleaning water to contaminate streams or ponds.

**Time and Rate of Application**

Apply to actively growing weeds before they reach the maximum size listed in the **Application Rate Table for Corn and Sorghum**. Such applications generally correspond to the crop growth stages of 1-5 leaves. Corn is tolerant to this tank mix at all stages of growth. Sorghum is tolerant to the tank mix at all growth stages up to and including early boot stage. Very slight leaf-speckling may occur in corn and sorghum, but plants generally outgrow this condition within 10 days. Refer to the **Conversion Table, (Table 18)** below for application rates depending on formulation. Cultivation may be necessary if all weeds are not controlled or if regrowth of weeds occurs.

**Restrictions and Limitations for tank mix with atrazine (partial list)**

Read and follow the restrictions and limitations on the labels for **Basagran DF** and atrazine (AAtrex). The most restrictive labeling applies in tank mixes.

Do not apply more than 36 ounces of **Basagran DF** per acre in one season in corn or 18 ounces of **Basagran DF** per acre in one season in sorghum.

Do not use this tank mix when crop is under stress from prolonged cold, wet weather, poor fertility, or other factors or when crop is wet and succulent from recent rainfall as crop injury may occur.

Seed producers should consult the seed company regarding tolerance of seed production inbred lines with this tank mix.

Do not apply to sorghum that is heading out or blooming.

Do not make more than one application of tank mix per season.

Do not graze treated area or feed treated forage to livestock for 21 days following application (see atrazine label).

Do not plant oats, sugar beets, or sunflowers in the season following application in soil having a calcareous surface layer.

In the Intermountain Region of the United States, do not plant any other crop the year following application except corn or sorghum.

Do not apply this tank mix through any type of irrigation.

\* Tank mix not applicable in California.

**Table 17**  
**Application Rates for Tank Mix of Basagran DF + Atrazine for Corn and Sorghum**

Weeds Controlled	0.42 + 0.42 lb ai/A <sup>1</sup>		0.5 + 0.5 lb ai/A <sup>1</sup>		0.75 + 0.75 lb ai/A <sup>1</sup>	
	Leaf Stages	Max. Height	Leaf Stages	Max. Height	Leaf Stages	Max. Height
Beggarticks	—	—	—	—	Up to 6	6"
Black Nightshade	—	—	2-4	1	2-4	1"
Bristly Starbur	—	—	—	—	Up to 4	2"
Burcucumber	—	—	—	—	3	3"
Cocklebur <sup>2</sup>	2-4	3"	2-10	8"	2-10	8"
Common Groundsel	—	—	Up to 4	2"	Up to 6	4"
Common Lambsquarters	2-6	2"	Up to 8	5"	8-12	8"
Common Ragweed <sup>3</sup>	—	—	Up to 4	4"	4-7	5"
Dayflower	—	—	—	—	Up to 6	4"
Devilsclaw	—	—	—	—	Up to 6	3"
Eastern Black Nightshade	—	—	2-4	1"	2-4	1"
Giant Ragweed	—	—	Up to 4	4"	4-6	6"
Jimsonweed	2-4	3"	Up to 6	6"	6-10	8"
Kochia	—	—	—	4"	—	4"
Ladysthumb	2-6	4"	Up to 10	10"	10-14	12"
Morningglories, Annual	—	—	Up to 4	4"	4-6	6"
Morningglories, Smallflower	—	—	Up to 4	4"	4-6	6"
Pennsylvania Smartweed	2-6	4"	Up to 10	10"	10-14	12"
Prickly Sida or Teaweed	—	—	Up to 4	2"	Up to 6	3"
Redroot Pigweed	2-4	2"	Up to 10	6"	Up to 10	6"
Smooth Pigweed	2-4	2"	Up to 10	6"	Up to 10	6"
Spurred Anoda	—	—	—	—	Up to 6	3"
Tall Waterhemp	—	—	Up to 8	2"	6-9	4"
Velvetleaf <sup>4</sup>	2-4	3"	Up to 6	5"	8	8"
Venice Mallow	—	—	Up to 8	4"	Up to 8	4"
Wild Buckwheat	—	—	Up to 4	3"	4-6	5"
Wild Mustard	—	—	Up to 6	4"	6-10	8"
Wild Sunflower	—	—	Up to 5	6"	4-6	8"

Other weeds listed on the label for **Basagran DF** at the <sup>3</sup>/<sub>4</sub> pound rate will also be controlled with this **Basagran DF** + atrazine tank mix.

<sup>1</sup> Refer to **Conversion Table** for recommended rate of formulated product per acre. Add nitrogen solution or one quart of oil concentrate or one pint of **Dash HC** spray adjuvant for all weeds except common ragweed. When common ragweed predominates, use oil concentrate. See sections **Addition of Nitrogen Solution** or **Addition of Oil Concentrate**.

<sup>2</sup> Do not treat earlier than leaf stage shown and do not count cotyledon leaves.

<sup>3</sup> Add one quart per acre of oil concentrate, not nitrogen solution when this weed predominates.

<sup>4</sup> For velvetleaf, always add UAN solution instead of oil concentrate or **Dash HC**. Addition of UAN or AMS will allow control of velvetleaf at the 8-leaf stage or 8-inch maximum height using 0.5 + 0.5 lb ai/A; or at the 10-leaf stage or 10 inch maximum height using 0.75 + 0.75 lb ai/A.

**Table 18**  
**Acreage Conversion Table**

Tank Mix Rate Recommended (lb ai/A) <sup>1</sup>	Amount of Formulated Product									
	Basagran DF	Atrazine (AAtrex)								
	1 Acre	1 Acre			10 Acres			50 Acres		
	Oz.	80W pounds.	Nine-0 pounds.	4L Pts.	80W pounds.	Nine-0 pounds.	4L Pts.	80W pounds.	Nine-0 pounds.	4L Pts.
0.42 + 0.42	8	0.525	0.46	0.84	5.25	4.6	8.4	26.25	23	42
0.5 + 0.5	9	0.625	0.6	1	6.25	6	10	31.5	30	50
0.75 + 0.75	14	1	0.9	1.5	9.4	9	15	50	45	75

<sup>1</sup> According to weed growth stage indicated in **Table 17**.

**RICE — Directions For Use**  
(Not for use in California)

Apply **Basagran® DF** herbicide early postemergence, before weeds exceed the maximum size listed in the **Application Rate Table for Rice**.

Early application produces the most beneficial effect on crop yields, allows use of the lower rate (depending on weed species), and makes thorough spray coverage easier to obtain. Delay in application permits weeds to exceed the maximum size for a given rate and will result in inadequate control.

**Basagran DF** has no adverse effect on rice when used according to directions and may be used on the first and second (ratoon) crops. If grasses are a problem, use propanil in the tank mix.

For optimal coverage when applying **Basagran DF** by air in rice, orient all nozzles straight back. For additional aerial application information, refer to **Directions For Use**.

Oil concentrate should be applied according to the directions in **Addition of Oil Concentrate**.

When tank mixing **Basagran DF** with propanil, oil concentrate should not be included as crop injury may be enhanced.

**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 DF** must be applied when there is no water on the field and 24 hours or more prior to flooding. If **Basagran DF** 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 DF**. 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 DF** off weed leaf surfaces and ineffective control may result.

**Restrictions and Limitations**

Rice straw may be fed to livestock.

Do not apply more than 36 ounces of **Basagran DF** per acre in one season. (Maximum of 18 ounces per acre in first crop and 18 oz. per acre in second [ratoon] crop.)

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

Do not use water containing **Basagran DF** residues from rice cultivation to irrigate crops used for food or feed unless **Basagran DF** is registered for use on these crops.

Do not contaminate water when disposing of equipment wash water.

**Tank mix with Propanil**

Use a tank mix of **Basagran DF** + propanil by ground or air to control mixed populations of grasses, sedges, and broadleaf weeds listed as susceptible on the two product labels.

Prepare the tank mix by adding **Basagran DF** to half the final volume of water with agitator running. Then add propanil and bring mix to final volume. Agitation must be continuous from time of mixing through spraying.

Apply up to 18 ounces of **Basagran DF** per acre per application.

Do not apply more than 36 ounces of **Basagran DF** per acre on the crop per growing season. Use up to 5 pounds active ingredient (a.i.) of propanil for additional broadleaf weed control and grass control with **Basagran DF**.

Apply this tank mix only to drained fields.

**Restrictions and Limitations**

Observe all restrictions and limitations on the **Basagran DF** and the propanil labels. In tank mixes, the most restrictive labeling applies. Do not use propanil on second crop (ratoon) rice.

When applying tank mix of **Basagran DF** and propanil by air, orient all nozzles straight back in accordance with the propanil label.

Do not use crop oil concentrate with this tank mix.

Add propanil to the tank mix of **Basagran DF** based on active ingredient (a.i.) of formulation used.

Propanil products should be tested for physical tank mix compatibility with **Basagran DF**. Please refer to the **Jar Test for Estimating Suitability of Mixes**.

**Table 19**  
**Application Rates for Rice — Drained Fields**

Weeds Controlled (All States)	Application Rates for Weed Growth Stages			
	14 oz. per Acre <sup>1</sup>		18 oz. per Acre <sup>1</sup>	
	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"

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

**Table 20**  
**Application Rates for Rice — Flooded Fields**

Weeds Controlled	Application Rates for Weed Growth Stages			
	14 oz. per Acre <sup>1</sup>		18 oz. per Acre <sup>1</sup>	
	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"

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

**Basagran® DF + Facet 75 DF - Early Postemergence** Weeds should be no larger than the sizes stated on either label. Use 0.33 (light-textured soils) to 0.5 pound **Facet 75 DF** (0.67 pound on clay soils) per acre in the tank mix with **Basagran DF** at 14-18 ounces per acre. Add **Facet 75 DF** to the half-full spray tank of clean water with agitation running. After **Facet 75 DF** is dissolved, add **Basagran DF**, mix thoroughly and then add 2 pints of oil concentrate per acre and remaining volume of water. Maintain constant agitation during application. Observe all **Restrictions and Limitations** specified on the label of each product. The most restrictive labeling applies.

**Basagran DF herbicide + Arrosolo® 3-3E - Early Postemergence** Weeds should be no larger than the sizes stated on either label. Do not apply to flooded fields. **Basagran DF** should be used in the tank mix at 14-18 ounces per acre mixed with **Arrosolo 3-3E** at rates recommended for weed control as specified on the respective labels. Add **Basagran DF** to the half-full spray tank of clean water with agitation running. After **Basagran DF** is dissolved, add **Arrosolo 3-3E**, mix thoroughly, and then add the remaining volume of water. Maintain constant agitation during application. Observe all **Restrictions and Limitations** specified on the label of each product. The most restrictive labeling applies. Due to the potential for crop injury, do not apply oils, surfactants or liquid fertilizers with this tank mix except as specified on the **Arrosolo 3-3E** label.

**Basagran DF + Londax® - Postemergence** Weeds should be no larger than the sizes stated on either label. Apply within 7 days of establishing permanent flood. Use 14-18 ounces of **Basagran DF** per acre in the tank mix with **Londax** at 1 ounce per acre. Add **Basagran DF** to the half-full spray tank of clean water with agitation running. After **Basagran DF** is dissolved, add **Londax** mix thoroughly, and then add the recommended amount of oil concentrate and remaining volume of water. Maintain constant agitation during application. Observe all **Restrictions and Limitations** specified on the label of each product. The most restrictive labeling applies.

**PEANUTS — Directions For Use**  
Apply **Basagran® DF** to actively growing weeds before they reach the maximum size listed in the **Application Rates Table for Peanuts**. **Basagran DF** can be applied from peanut cracking through pegging.

**Restrictions and Limitations**  
Do not apply **Basagran DF** if peanuts show injury (leaf phytotoxicity or plant stunting) produced by any prior herbicide applications (preplant incorporated, preemergence, cracking or postemergence), because this injury may be enhanced or prolonged.

In the Southeast, in-furrow treatments of insecticides and nematocides may predispose peanuts to injury from **Basagran DF**.

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

Do not apply more than a total of 36 ounces of **Basagran DF** per acre in one season.

Peanut hay and forage may be fed to livestock.

**Table 21**  
**Application Rates for Peanuts**

Weeds Controlled	Application Rates for Weed Growth Stages <sup>1</sup>					
	9 oz. per Acre <sup>2</sup>		14 oz. per Acre		18 oz. per Acre	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Balloonvine	—	—	2-4	2"	4-6	3"
Beggarticks	—	—	Up to 6	6"	6-8	8"
Bristly Starbur	—	—	Up to 4	2"	4-6	3"
Cocklebur <sup>3</sup>	2-4	4"	2-6	6"	6-10	10"
Coffee Senna <sup>4</sup>	—	—	—	—	Up to 1 pinnate	2"
Common Ragweed <sup>4</sup>	—	—	—	—	4-6	3"
Dayflower	—	—	Up to 6	4"	6-10	8"
Devilsclaw <sup>4</sup>	—	—	—	—	Up to 6	3"
Eclipta	—	—	Up to 6	2"	Up to 6	2"
Giant Ragweed <sup>1</sup>	—	—	—	—	Up to 4	6"
Jimsonweed	Up to 4	4"	Up to 6	6"	6-10	10"
Ladysthumb	Up to 4	4"	Up to 6	6"	6-10	10"
Pennsylvania Smartweed	Up to 4	4"	Up to 6	6"	6-10	10"
Prickly Sida or Teaweed	—	—	Up to 6	3"	6-8	4"
Spurred Anoda	—	—	Up to 6	3"	6-8	4"
Tropic Croton	—	—	Up to 2	2"	2-4	4"
Velvetleaf	—	—	Up to 4	2"	4-6	5"
Wild Sunflower	—	—	Up to 4	5"	4-6	8"

For additional weeds see **Special Directions** section following.

<sup>1</sup> If a second flush occurs, re-treat field according to this rate table.

<sup>2</sup> Apply before weeds reach the maximum size or leaf stage indicated. If regrowth develops, reapply 9 ounces 7-14 days after the first application.

<sup>3</sup> Do not treat earlier than leaf stage shown and do not count cotyledon leaves.

<sup>4</sup> Add oil concentrate according to section **Addition of Oil Concentrate** page 4.

**Special Directions for Other Weed Problems in Peanuts**

**Annual Morningglories**

To control smallflower and cypressvine morningglories apply either 14 oz. of **Basagran DF** per acre to plants not larger than 4 true leaves and 4 inches in height, or 18 oz. of **Basagran DF** per acre to plants not larger than 6 true leaves and 6 inches in height.

To control palmleaf, pitted, common, entireleaf, purple moonflower and ivyleaf morningglories, apply 14 oz. of **Basagran DF** per acre to plants not larger than 4 true leaves and 4 inches in height (14-18 days after morningglory emergence). Make a second application at the same rate of 5-14 days later.

Because morningglories grow very rapidly, it is important to watch the growth stage carefully and to be certain that **Basagran DF** is applied to morningglories before they exceed the maximum size recommended. Add oil concentrate to the spray solution of **Basagran DF**/water for each application (see **Addition of Oil Concentrate**).

**Yellow Nutsedge**

Two applications are preferred for best results. Apply 14-18 oz. of **Basagran DF** per acre when plants are 6-8 inches tall. In Texas, use 18 oz. If needed, make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of **Basagran DF**/water according to the section **Addition of Oil Concentrate**, page 4.

**Late Cocklebur Rescue Treatment**

This treatment is intended to provide only partial control of cocklebur in the event early postemergence treatments were not made. Very thorough spray coverage is essential. Apply 18-28 oz. of **Basagran DF** per acre to plants up to 24 inches tall, or for best results, apply 14 oz. of **Basagran DF** to plants up to 24 inches tall and repeat 10-14 days later. Add oil concentrate according to the section **Addition of Oil Concentrate**.

**Basagran® DF + 2,4-DB Tank Mix\* - Peanuts**

**General Information**

These directions are intended to provide the user of **Basagran DF** with instructions for tank mixing with 2,4-DB (such as **Butyrac® 200** or **Butoxone® 200 herbicides**) to control entireleaf, tall (common), and ivyleaf morningglories in addition to all other weeds listed in **Table 21**. Weeds must be actively growing and at recommended growth stages. Delay in application permits weeds to exceed maximum size stated and will result in inadequate control. Under certain conditions peanuts may have a white, bleached appearance and the leaves may be slightly elongated.

Refer to **Directions For Use - All Crops for Water Volume and Spray Pressure, Ground Equipment, and Mixing** information.

**Restrictions and Limitations for Tank Mix with 2,4-DB (partial list)**

Read and follow the restrictions and limitations on the labels for **Basagran DF** and 2,4-DB. The most restrictive labeling applies in tank mixes.

Use only amine formulations of 2,4-DB.

Do not apply to or allow drift to any other adjacent crop.

Do not add oil concentrate or any other additives to tank mix.

Do not apply tank mix if peanuts show injury (leaf phytotoxicity or plant stunting) produced by any other prior herbicide treatment or by disease because this injury may be enhanced or prolonged.

Do not apply tank mix during prolonged periods of drought or during unseasonably cold weather, as unsatisfactory weed control may result.

Do not apply tank mix to peanuts that have been subject to stress conditions such as hail damage, flooding, drought, injury from other herbicides, or unseasonably cold or widely fluctuating temperatures because injury may result.

Do not apply more than 2 applications of the tank mix per season.

Do not apply within 30 days of harvest in Oklahoma, Texas and New Mexico or 45 days in the Virginia-Carolina area. (See label for 2,4-DB.)

Do not feed treated peanut vines and peanut hay to livestock. (See label for 2,4-DB.)

\*Tank mix not applicable in California.

**Table 22**  
**Basagran DF + 2,4-DB Tank Mix Additional Weed Control Peanuts**  
**Rate and Time of Application**

Product	Rate Per Acre	Weeds Controlled/Weed Size		Additives
<b>Basagran DF</b>	14-18 oz. according to weed species and size (See <b>Table 1</b> page 6)	Apply <b>Basagran DF</b> according to weed sizes in <b>Table 21</b> .		Do not add oil concentrate or any other additives (including UAN solution) to this tank mix.
plus <b>2,4-DB (amine formulation)</b>	plus 8 fl. oz. of <b>Butoxone 200</b> or <b>Butyrac 200</b> (0.125 pound ae <sup>1</sup> )	Morningglories Ivyleaf Tall (Common) Entireleaf	Vines up to 10" long	
<sup>1</sup> Acid equivalent				

**Basagran® DF + Blazer Tank Mix\* — Peanuts**

**General Information**

The tank mixes of **Basagran DF + Blazer® herbicides** will control the weeds listed in **Tables 23** and **24**.

For **Time of Application, Water Volume, Spray Pressure** and **Mixing** directions refer to the **Basagran DF + Blazer** tank mix for soybeans.

**Restrictions and Limitations (partial list)**

Observe all applicable directions, restrictions and precautions on this label and the label for **Blazer**. The most restrictive labeling applies in tank mixes.

Do not apply tank mix if peanuts show injury (leaf phytotoxicity or plant stunting) produced by any other prior herbicide treatment as injury may be enhanced or prolonged.

Do not apply tank mix during prolonged periods of drought or during unseasonably cold weather, as unsatisfactory weed control may result.

Do not apply tank mix to peanuts that have been subject to stress conditions such as hail damage, flooding, drought, or unseasonably cold or widely fluctuating temperatures as injury may result.

Do not add a surfactant or oil concentrate except where specifically recommended.

\*Tank mix not applicable in California.

**Table 23.**  
**All States**  
**Basagran DF + Blazer Tank Mix - Peanuts**  
**Rate and Time of Application**

Product	Rate Per Acre	Weeds Controlled	Leaf Stage	Max. Height	Additive Rate Per Acre
<b>Basagran DF + Blazer</b>	9 oz. + 1 pint <sup>1</sup>	Black Nightshade	Up to 2	<2"	Oil Concentrate (1 pint)
		Bristly Starbur	4-6	3"	
		Cocklebur	2-6	6"	
		Common Lambsquarters	4-6	2"	
		Common Ragweed <sup>2</sup>	4-6	3"	
		Crotalaria <sup>3</sup>	Up to 6	6"	
		Jimsonweed	Up to 6	6"	
		Morningglories <sup>4</sup>	Up to 2	2"	
		Pennsylvania Smartweed	Up to 6	6"	
		Prickly Sida (Teaweed) <sup>5</sup>	Up to 4	2"	
		Redroot Pigweed	Up to 6	3"	
		Sesbania <sup>3</sup>	Up to 4	6"	
		Smooth Pigweed	Up to 6	3"	
		Spurred Anoda <sup>5</sup>	Up to 4	2"	
		Velvetleaf <sup>6</sup>	Up to 4	2"	
Wild Mustard	Up to 6	4"			

<sup>1</sup> **Blazer** may also be included in the tank mix at a rate of up to 1.5 pints per acre; however, this will increase the severity and/or frequency of peanut injury.  
<sup>2</sup> For common ragweed up to 6 inches tall and 10 leaves, use 14 oz. of **Basagran DF** with 1 pint of **Blazer**.  
<sup>3</sup> If crotalaria or sesbania are present, add **Triton AG-98** at the rate of 0.5 pint per 100 gallons of spray solution; but do not combine **Triton AG-98** with oil concentrate.  
<sup>4</sup> For common (tall) morningglory, increase rate of **Basagran DF** to 14 oz.  
<sup>5</sup> For more consistent control, increase rate of **Basagran DF** to 14 oz.

**Table 24. All States (for Additional Weeds or Larger Weed Sizes)  
Basagran DF + Blazer Tank Mix - Peanuts**

Product	Rate <sup>1</sup> Per Acre	Weeds Controlled/Weed Size			Additive Rate Per Acre
Basagran DF	14-18 oz. according to weed species and size (See <b>Table 1</b> page 6)	Balloonvine	Ladysthumb	Oil concentrate <sup>2</sup>	
		Beggarticks	Marshelder		
Bristly Starbur	Pennsylvania Smartweed				
Cocklebur	Prickly Sida or Teaweed				
Coffee Senna <sup>2</sup>	Smallflower Morningglory				
Common Ragweed <sup>2</sup>	Spurred Anoda				
Cypressvine Morningglory	Tropic Croton				
Dayflower	Velvetleaf <sup>2</sup>				
Devilsclaw <sup>2</sup>	Wild Sunflower				
Giant Ragweed	Yellow Nutsedge <sup>2</sup>				
Jimsonweed					
plus	plus				
Blazer	1 pint		<b>Leaf Stage</b>	<b>Max. Height</b>	
		Black Nightshade	Up to 2	<2"	
		Citron	Up to 4	2"	
		Common Ragweed <sup>2</sup>	Up to 10	6"	
		Crotalaria <sup>2</sup>	Up to 6	6"	
		Morningglories	Up to 2	2"	
		Redroot Pigweed	Up to 6	3"	
		Sesbania <sup>2</sup>	Up to 4 pinnate	6"	
		Smooth Pigweed	Up to 6	3"	
		Tall Waterhemp	Up to 6	3"	

<sup>1</sup> Choose the rate of **Basagran DF** (14-18 oz. per acre) according to the size and species of the weeds to be controlled with **Basagran DF** alone (see **Table 21, Application Rates for Peanuts**). Then add **Blazer** at 1 pint per acre, if needed to control the additional weeds up to the maximum size as shown in the tank mix time of application table above. **Blazer** may also be included in the tank mix at up to 1.5 pints per acre; however, this will increase the severity or frequency of peanut injury.

<sup>2</sup> Add oil concentrate to the tank mix according to the recommendations in **Table 21, Application Rates for Peanuts**, page 28. The addition of oil concentrate may increase the severity or frequency of peanut injury. If crotalaria or sesbania are present, add **Triton AG-98** at 0.5 pint per 100 gallons of spray solution. But do not combine **Triton AG-98** with oil concentrate.

**Basagran® DF + Blazer + Poast  
Tank Mix\* — Peanuts**

**General Information**

**Basagran DF**, **Poast®** and **Blazer®** herbicides may be tank mixed for postemergence control of broadleaf and grass weeds. Apply to actively growing weeds at the recommended growth stages. Refer to **Table 8, Rate and Time of Application - Soybeans and Peanuts**.

Separate applications should be made if:

- 1) all weeds to be controlled are not at the correct growth stage for treatment at the same time, or
- 2) grasses to be controlled include rhizome johnsongrass, quackgrass, Bermudagrass, wirestem muhly, volunteer corn, shattercane, volunteer cereals, wild oats, red rice, or itchgrass.

See **Table 12, Separate Applications - Soybeans or Peanuts**.

Refer to **Directions For Use - Soybeans** for **Water Volume and Spray Pressure, Mixing** and for **Early Spot Spray**.

**Restrictions and Limitations (partial list)**

Read and follow the restrictions and limitations on the labels for **Basagran DF**, **Poast** and **Blazer**. The most restrictive labeling applies in tank mixes.

Do not apply tank mix within 90 days of harvest. (See label for **Poast**.)

Do not graze treated peanut fields and do not feed treated peanut forage, ensilage or hay to livestock (see labels for **Blazer** and **Poast**).

Do not include UAN solution (or ammonium sulfate) when tank mixing **Basagran DF**, **Blazer**, and **Poast**.

\*Tank mix not applicable in California.



**Basagran® DF + Starfire Tank Mix\* — Peanuts**

**General Information**

The tank mix of **Basagran DF + Starfire** will also control certain weeds not controlled by **Basagran DF** alone (see **Tank Mix Recommendation Table**).

Because this tank mix is effective mainly through contact action, thorough coverage of weeds is essential for effective weed control. Large crop-and-weed leaf canopies shelter smaller weeds and prevent adequate spray coverage. Crop foliage present at application may bronze or crinkle, but the plants will soon outgrow these effects and develop normally.

**Time and Rate of Application**

The application rates and weed sizes for this tank mix are given in the **Rate and Time Application Table**. This 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. Do not make more than two applications of this tank mix to the same crop.

Apply the **Basagran DF + Starfire** tank mix to actively growing weeds before they reach the maximum size listed in the **Rate and Time of Application Table 22**.

Application to weeds that exceed the maximum size stated may result in inadequate control.

**Additives**

Always add a nonionic surfactant containing at least 50% surface active agent at the rates listed in the **Table 25**.

Do not use crop oil concentrate or any other oil-based additive with this tank mix.

**Water Volume and Spray Pressure**

Use a minimum of 20 gallons of total spray mixture per acre (broadcast basis) and 30-50 psi with standard high-pressure hollow cone or flat fan nozzles spaced 20 inches apart. Use only ground equipment to apply this tank mix.

**Mixing**

Fill the spray tank half full with water while the agitator is running and add the recommended amount of **Basagran DF, Starfire** and non-ionic surfactant. Then add the remaining quantity of water.

**Restrictions and Limitations (partial list)**

Read and follow the restrictions and limitations on the labels for **Basagran DF** and **Starfire**. The most restrictive labeling applies in tank mixes.

Do not apply this tank mix if peanuts show injury (leaf phytotoxicity or plant stunting) produced by any other prior herbicide treatment because this injury may be enhanced or prolonged.

Do not apply tank mix during prolonged periods of drought or during unseasonably cold weather, as unsatisfactory weed control may result.

Do not apply tank mix to peanuts that have been subjected to stress conditions such as hail damage, flooding, drought, or unseasonably cold or widely fluctuating temperatures because injury may result.

Avoid drift to all other crops and non-target areas. Crops other than peanuts may be severely injured by drift.

\*Tank mix not applicable in California.

**Table 25**  
**Basagran DF + Starfire Tank Mix — Peanuts**  
**Rate and Time of Application**

Product	Rate Per Acre	Weeds Controlled	Weed Growth Stages <sup>1</sup>		
			Leaf Stage	Max. Height	Additive Rate
Basagran DF	9 ounces	Balloonvine	2-4	2"	Use suitable nonionic surfactant at 0.125% v/v (1 pint per 100 gallons) water or as directed on respective labels.
		Beggarticks	Up to 6	6"	
		Bristly Starbur	Up to 4	2"	
		Cocklebur <sup>1</sup>	2-6	6"	
		Coffee Senna	Up to 1 pinnate	2"	
		Common Ragweed	Up to 6	3"	
		Dayflower	Up to 6	4"	
		Devilsclaw	Up to 6	3"	
		Giant Ragweed	Up to 4	6"	
		Jimsonweed	Up to 6	6"	
		Ladysthumb	Up to 6	6"	
		Pennsylvania Smartweed	Up to 6	6"	
		Prickly Sida or Teaweed	Up to 4	2"	
		Spurred Anoda	Up to 6	3"	
		Tropic Croton	Up to 2	2"	
		Velvetleaf	Up to 4	2"	
		Wild Sunflower	Up to 4	5"	
Starfire	0.69 pint (11 fl. oz.)	Crabgrass, Smooth	Up to 2	2"	
		Crabgrass, Large	Up to 2	2"	
		Smooth Pigweed	Up to 6	4"	
		Redroot Pigweed	Up to 6	4"	
		Tall Waterhemp	Up to 6	4"	
		Sicklepod	Up to 4	4"	
		Florida Beggarweed	Up to 4	4"	
		Morningglories, Smallflower	Up to 6	4"	
		Texas Panicum	Up to 2	2"	
		Goosegrass	Up to 2	2"	

<sup>1</sup> Do not treat earlier than leaf stage shown and do not count cotyledon leaves.

**Beans (dry or succulent)**

**Directions For Use**

Apply **Basagran® DF** herbicide early postemergence to actively growing weeds before they reach the maximum size listed in the

**Application Rate Table for Beans.**

These weed growth stages generally correspond to bean stages of greater than one expanded trifoliolate leaf.

Beans are tolerant to **Basagran DF** after the first trifoliolate leaf has fully expanded. Snap bean injury can be very pronounced. Even at the tolerant stages, yellowing, bronzing, speckling or burning of leaves may occur under certain conditions (see **Restrictions and Limitations**).

This temporary injury is generally outgrown without delaying podset or maturity or reducing yield. Using oil with **Basagran DF** 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.

**CALIFORNIA ONLY:** Not recommended for use on adzuki beans.

**Table 26**  
**Application Rates for Beans (Dry or Succulent)**

Weeds Controlled	Application Rates for Weed Growth Stages					
	9 oz. per Acre <sup>1</sup>		14 oz. per Acre		18 oz. per Acre	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Cocklebur <sup>2</sup> (PNW)	2-4	4"	2-6	6"	6-10	10"
Common Lambsquarters <sup>3</sup>	Up to 4	1"	Up to 6	1 1/2"	4-8	2"
Common Purslane	—	—	Up to 4	1"	4-6	2"
Common Ragweed	—	—	—	—	4-6	3"
Devilsclaw <sup>3</sup>	—	—	—	—	Up to 6	3"
Galinsoga <sup>3</sup>	—	—	—	—	Cotyledon to 6	2"
Giant Ragweed <sup>4</sup>	—	—	—	—	2-4	6"
Hairy Nightshade <sup>5</sup>	—	—	—	—	2-6	4"
Jimsonweed	—	—	Up to 6	6"	6-10	10"
Ladysthumb	—	—	Up to 6	6"	6-10	10"
Marshelder	—	—	Up to 4	2"	4-8	4"
Pennsylvania Smartweed	Up to 4	4"	Up to 6	4"	6-10	10"
Prickly Sida or Teaweed	—	—	Up to 6	3"	6-8	4"
Shepherdspurse <sup>6</sup>	—	—	Up to 6	4"	6-10	8"
Velvetleaf <sup>7</sup>	Up to 3	2"	Up to 4	2"	4-6	5"
Venice Mallow	Up to 4	2"	Up to 6	2"	6-10	4"
Wild Mustard (PNW)	Up to 4	2"	Up to 6	4"	6-10	10"
Wild Sunflower	Up to 2	3"	Up to 4	5"	4-6	8"

<sup>1</sup> If regrowth develops, make a second application of 9 ounces 7-14 days later. (This rate not applicable in California.)  
<sup>2</sup> Do not treat earlier than leaf stage shown and do not count cotyledon leaves.  
<sup>3</sup> Add oil concentrate according to the **Directions for use-all crops**.  
<sup>4</sup> If a second flush occurs after the first application, re-treat field according to this rate table.  
<sup>5</sup> **Basagran DF** alone does not adequately control black nightshade.  
<sup>6</sup> Do not treat rosette before seed stalk appears.  
<sup>7</sup> See **Addition of Nitrogen Solution, Directions For Use-all crops**.  
 PNW - See special direction for Pacific Northwest.

**Western Irrigated Area**

In the Western irrigated areas, it may be necessary to irrigate prior to application of **Basagran® DF** herbicide to ensure that weeds are actively growing. Weeds that are growing under moisture stress are not actively growing and will not be satisfactorily controlled.

Avoid applying **Basagran DF** 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.

**Restrictions and Limitations (partial list)**

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

Do not apply **Basagran DF** 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 more than a total of 36 ounces of **Basagran DF** per acre in one season.

Do not apply **Basagran DF** to dry or succulent beans within 30 days of harvest.

**Special Directions for Other Weed Problems in Beans**

**Yellow Nutsedge**

Two applications are preferred for best results. Apply 14-18 oz. of **Basagran DF** 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 DF/water** for each application according to **Directions For Use-all crops**.

**In California:**

Apply 18 oz. of **Basagran DF** per acre when plants are 6-8 inches tall. Make a second application at the same rate 10-14 days later. The use of oil concentrate with **Basagran DF** may increase crop injury and may reduce crop yields.

**Canada Thistle**

Apply 18 oz. of **Basagran DF** per acre when plants are from 8 inches tall to bud stage. Make a second application at the same rate 7-10 days later.

**Field and Hedge Bindweed in KY, IL, IN, MI, and OH only**

For suppression of field and hedge bindweed, apply 18-28 oz. of **Basagran DF** per acre when vines are a maximum of 10 inches long. Add oil concentrate to the spray solution of **Basagran DF/water**, according to **Directions For Use-all crops**.

**Pacific Northwest (ID, OR, WA)**

To control cocklebur, yellow nutsedge, and wild mustard, use only the 18 oz. rate.  
 For cocklebur, treat when plants are in the 2-10 leaf stage and a maximum height of 10 inches.  
 For yellow nutsedge follow the directions above using only the 18 oz. rate.  
 For wild mustard, treat when plants are up to the 10 leaf stage and a maximum height of 10 inches.

**PEAS (Dry or Succulent)**

**Directions For Use**

Apply **Basagran® DF herbicide** early postemergence when weeds are small and actively growing and before weeds reach the maximum size listed in **Table 27**, the **Application Rates for Peas**. Such weed growth stages generally correspond to pea stages of greater than 3 pairs of leaves (or 4 nodes). Peas are tolerant to **Basagran DF** after 3 pairs of leaves (or 4 nodes) are present. Pea injury can be very pronounced. Even at tolerant stages, yellowing, bronzing, speckling or burning of leaves may occur under certain conditions (see **Restrictions and Limitations**).

outgrown without delaying podset or maturity or reducing yield. Tolerant pea types are garden, English, and southern peas.

**Western Irrigated Areas**

In the Western irrigated areas, it may be necessary to irrigate before treating with **Basagran DF** to ensure weeds are actively growing. Weeds that are growing under moisture stress are not actively growing and will not be satisfactorily controlled. Avoid applying **Basagran DF** 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.

**Restrictions and Limitations (partial list)**

Do not apply more than a total of 36 ounces of **Basagran DF** per acre in one season.  
 Do not apply **Basagran DF** to dry or succulent peas within 30 days of harvest.  
 Do not apply **Basagran DF** to peas under stress from root rot.  
 Do not apply **Basagran DF** 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 add oil to Basagran DF for use on peas, except as directed for use in the Pacific Northwest (PNW).**  
 In the Southeast, in-furrow treatments of insecticides or nematocides may also predispose the peas to injury from **Basagran DF**.  
 Do not apply **Basagran DF** to pea fields until peas have at least 3 pairs of leaves (or 4 nodes) because severe crop damage may occur.

This temporary injury is generally

**Table 27  
 Application Rates for Peas (Dry or Succulent)**

Weeds Controlled	Application Rates for Weed Growth Stages			
	14 oz. Per Acre		18 oz. Per Acre	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Cocklebur <sup>1</sup> (PNW)	2-4	6"	6-10	10"
Common Purslane	Up to 4	1"	4-6	2"
Giant Ragweed <sup>2</sup>	—	—	2-4	6"
Hairy Nightshade <sup>3</sup>	—	—	2-6	4"
Jimsonweed	Up to 6	6"	6-10	10"
Ladysthumb	Up to 6	6"	6-10	10"
Marshelder	Up to 4	2"	4-8	4"
Mayweed/Dogfennel (PNW)	—	2"	—	3"
Pennsylvania Smartweed	Up to 6	4"	6-10	10"
Prickly Sida or Teaweed	Up to 6	3"	6-8	4"
Shepherdspurse <sup>4</sup>	Up to 6	4"	6-10	8"
Velvetleaf <sup>5</sup>	Up to 4	2"	4-6	5"
Venice Mallow	Up to 6	2"	6-10	4"
Wild Mustard (PNW)	Up to 6	4"	6-10	10"
Wild Sunflower	Up to 4	5"	4-6	8"

For additional weeds see **Special Directions** section following.  
<sup>1</sup> Do not treat earlier than leaf stage shown and do not count cotyledon leaves.  
<sup>2</sup> If a second weed flush develops after the first application, re-treat according to this rate table.  
<sup>3</sup> **Basagran DF** does not adequately control black nightshade.  
<sup>4</sup> Do not treat rosette before seed stalk appears.  
<sup>5</sup> See section **Addition of Nitrogen Solution**.  
 PNW - See special directions for **Pacific Northwest**.

**Basagran® DF + Thistrol Tank Mix for Postemergence Application in Peas\***

For use in ME, NH, VT, MA, CT, RI, NY, PA, NJ, VA, MD, DE, WA, ID, and OR

**General Information**

The tank mix of **Basagran DF herbicide plus Thistrol® herbicide** will control certain weeds not controlled by **Basagran DF** alone (see **Table 28 Application Rates for Tank Mix of Basagran DF + Thistrol for Peas**).

Because this tank mix is effective mainly through contact action, thorough coverage of weeds is essential for effective weed control. Large crop-and-weed leaf canopies shelter smaller weeds and prevent adequate spray coverage.

**Time and Rate of Application**

Application rates and weed sizes for this tank mix are given in **Table 28**. 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.

Apply the tank mix of **Basagran DF plus Thistrol** to weeds that are actively growing and before weeds reach the maximum size listed. Application to weeds that exceed the maximum size stated may result in inadequate control.

**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 DF + Thistrol** can be safely used on all pea crops under all conditions. It is therefore recommended that the user determine if the tank mix of **Basagran DF + Thistrol** can be used safely prior to broad use.

**Spray Additives**

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

**Water Volume and Spray Pressure**

Use a spray volume of 20-40 gallons of total spray mixture per acre (broadcast basis) and a maximum of 40 psi with standard high-pressure hollow cone or flat fan nozzles spaced 20 inches apart. Use only ground equipment to apply this tank mix.

**Mixing**

Fill the spray tank half full with water and while the agitator is running, add the recommended amount of **Basagran DF** and **Thistrol**. Then add the remaining quantity of water.

**Restrictions and Limitations (partial list)**

Read and follow the restrictions and limitations on the **Thistrol** label. The most restrictive labeling applies in tank mixes.

Do not apply tank mix if peas show injury (leaf phytotoxicity and/or plant stunting) produced by any other prior herbicide treatment because this injury may be enhanced and/or prolonged.

Do not feed treated peas, vines, or hay to livestock.

Do not apply tank mix during prolonged periods of drought or during unseasonably cold weather, as unsatisfactory weed control may result.

Do not apply tank mix to peas that have been subjected to stress conditions such as root rot, hail damage, flooding, drought, or unseasonably cold, or widely fluctuating temperatures because injury may result.

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.

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

\* Tank mix not applicable in California.

**Table 28 Application Rates for Tank Mix of Basagran DF + Thistrol for Peas**

Weeds Controlled	Basagran DF (9 oz./A) + Thistrol (2 pts./A)		Basagran DF (14 oz./A) + Thistrol (3 pts./A)	
	Max. Leaf Stage	Max. Height	Max. Leaf Stage	Max. Height
Canada Thistle <sup>1</sup>	—	—	10 to bud	—
Cocklebur <sup>2</sup>	—	—	6	6"
Common Lambsquarters	4	2"	8	3"
Common Purslane	4	1"	6	2"
Common Ragweed	—	—	6	3"
Field Pepperweed <sup>3</sup>	6	4"	10	8"
Giant Ragweed <sup>3</sup>	—	—	4	6"
Henbit <sup>3</sup>	—	—	4	2"
Jimsonweed	4	4"	6	6"
Ladysthumb	6	6"	10	10"
Marshelder	—	—	4	2"
Pashenik	—	5"	—	5"
Pennsylvania Smartweed	6	4"	8	6"
Pigweed	5	2"	8	6"
Prickly Sida or Teaweed	6	3"	8	4"
Shepherdspurse <sup>3</sup>	6	4"	10	8"
Velvetleaf	—	—	4	2"
Wild Mustard	6	4"	10	10"
Wild Radish	6	4"	10	10"
Wild Sunflower	—	—	4	5"

<sup>1</sup> Follow treatment with a sequential application of **Basagran DF** (18 oz. per acre) 7-10 days after tank mix treatment as needed.

<sup>2</sup> Do not treat earlier than 2 leaf stage and do not count cotyledon leaves.

<sup>3</sup> Do not treat until seed stalk appears.

**Special Directions for the Pacific Northwest (PNW) Peas (Dry or Succulent)**

Apply **Basagran® DF herbicide** to actively growing weeds before they reach the maximum size listed in the **Application Rates Table for Pacific Northwest Peas (Dry or Succulent)**.

The tank mix of **Basagran DF** plus MCPA will control the weeds listed in **Table 30**.

**Addition of Oil Concentrate**

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) may be added to the spray tank. The oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: 1) be non-phytotoxic, 2) contain only EPA-

exempt ingredients, 3) provide good mixing quality, and 4) be successful in local experience. Additional information may be found in the section titled **Addition of Oil Concentrate - All Crops**.

**Temperature considerations**

Crop and weeds must be actively growing. **Basagran DF herbicide** may be applied during periods of cold weather (day temperatures below 75° F and night temperatures below 55° F provided crop and weeds are actively growing. Do not apply **Basagran DF** with oil concentrate when temperature exceeds 80° F, as excessive leaf burn may occur.

**Restrictions and Limitations (partial list)**

Do not apply more than a total of 36 ounces of **Basagran DF** per acre in one season.

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

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

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

Do not apply **Basagran DF** with oil concentrate when temperatures exceed 80° F.

Do not apply oil concentrate with **Basagran DF** plus MCPA tank mix.

**Table 29 Application Rates for Pacific Northwest Peas (Dry or Succulent)**

Weeds Controlled	Application Rates for Weed Growth Stages					
	9 oz. per Acre		14 oz. per Acre		18 oz. per Acre	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Cocklebur	—	—	—	—	2-10	10"
Common Lambsquarters <sup>1</sup>	2-4	1"	4-6	1 1/2"	4-8	2"
Common Purslane	—	—	2-4	1"	4-6	2"
Giant Ragweed <sup>2</sup>	—	—	—	—	2-4	6"
Hairy Nightshade <sup>1,3</sup>	—	—	—	—	2-6	4"
Jimsonweed	—	—	2-6	6"	6-10	10"
Ladysthumb	—	—	2-6	6"	6-10	10"
Marshelder	—	—	2-4	2"	4-8	4"
Mayweed/Dogfennel	—	2"	—	3"	—	4"
Pashenik <sup>1</sup>	—	—	—	5"	—	5"
Pennsylvania Smartweed	—	—	2-6	4"	6-10	10"
Prickly Sida or Teaweed	—	—	2-6	3"	6-8	4"
Shepherdspurse <sup>1</sup>	—	—	2-6	4"	6-10	8"
Venice Mallow	—	—	2-6	2"	6-10	4"
Volunteer Radish	—	—	2-6	4"	6-10	10"
Volunteer Sugar Beets	—	—	2-4	—	4-8	—
Wild Mustard	2-4	2"	4-6	4"	6-10	10"
Wild Sunflower	1-2	3"	2-4	5"	4-6	8"

<sup>1</sup> Control requires adding 1-2 pints per acre of oil concentrate (2 pints maximum per acre).

<sup>2</sup> If second flush occurs, re-treat according to this table.

<sup>3</sup> **Basagran DF** does not adequately control black nightshade.

**Table 30 Application Rates for PNW Peas (Succulent only) Basagran DF Tank Mix with MCPA (0.125 to 0.25 pounds. ae/A)**

Weeds Controlled	Rate of Basagran DF <sup>1</sup>			
	14 oz. Per Acre		18 oz. Per Acre	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Pigweed	2-4	1"	4-8	2"
Common Lambsquarters	2-4	1"	4-8	2"

<sup>1</sup> Do not apply oil concentrate with **Basagran DF** plus MCPA Tank Mix.

**Special Directions for Other Weed Problems in Peas**

**Canada Thistle**

Apply 18 oz. of **Basagran DF** per acre when plants are from 8 inches tall to bud stage. Make a second application at the same rate 7-10 days later.

**Pacific Northwest**

To control cocklebur and wild mustard, use only the 18 oz. rate when plants are in the 2-10 leaf stage and a maximum height of 10 inches.

**Peppermint and Spearmint —  
Directions For Use**

Apply **Basagran® DF** herbicide early postemergence to actively growing weeds before they reach maximum size listed in **Table 31, Application Rates for Peppermint and Spearmint.**

Peppermint and spearmint are tolerant to **Basagran DF**; 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.

**Irrigated areas**

In irrigated areas it may be necessary to irrigate before treating with **Basagran DF** to ensure that weeds are actively growing. Weeds growing under drought conditions or unseasonably cold weather usually are not satisfactorily controlled.

**Restrictions and Limitations**

Do not apply more than a total of 36 ounces of **Basagran DF** per acre in one season.

**Table 31  
Application Rates for Peppermint and Spearmint**

Weeds Controlled	Application Rates for Weed Growth Stages			
	18 oz. Per Acre		36 oz. Per Acre	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Common Lambsquarters <sup>1</sup>	4-8	2"	—	—
Common Ragweed <sup>1</sup>	4-6	3"	—	—
Hairy Nightshade <sup>2</sup>	2-6	4"	6-10	6"
Kochia <sup>1</sup>	NA	2"	NA	4"
Ladysthumb	6-10	10"	—	—
Pennsylvania Smartweed	6-10	10"	—	—
Wild Mustard	6-10	8"	—	—

For additional weeds, see **Special Directions** section following.  
<sup>1</sup> Add oil concentrate according to section **Directions For Use-All Crops.**  
<sup>2</sup> **Basagran DF** does not adequately control black nightshade.  
 NA = not applicable

**Special Directions for Other Weed Problems in Peppermint and Spearmint**

- Yellow Nutsedge**  
 Apply 18 oz. of **Basagran DF** per acre when plants are 6-8 inches tall. Make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of **Basagran DF**/water for each application according to the **Directions for use-all crops.**
- Canada Thistle**  
 Apply 18 oz. of **Basagran DF** per acre when plants are from 8 inches tall to bud stage. Make a second application at the same rate 7-10 days later.
- Common Groundsel**  
 Apply 18-28 oz. of **Basagran DF** per acre when plants are less than 3 inches tall. Add oil concentrate to the spray solution of **Basagran DF**/water according to the **Directions for use-all crops.**

Appendix For Broadleaf Weeds

Common Name	Scientific Name
Arrowhead	<i>Sagittaria</i> spp.
Balloonvine	<i>Cardiospermum halicacabum</i>
Beggarticks	<i>Bidens frondosa</i>
Bindweed, Field	<i>Convolvulus arvensis</i>
Bindweed, Hedge	<i>Convolvulus sepium</i>
Bristly Starbur	<i>Acanthospermum hispidum</i>
Burcucumber	<i>Sigyos angulatus</i>
Butterprint (see Velvetleaf)	
Buttonweed (see Velvetleaf)	
Canada Thistle	<i>Cirsium arvense</i>
Citron (Wild Watermelon)	<i>Citrullus vulgaris</i>
Cocklebur	<i>Xanthium strumarium</i>
Coffee Senna	<i>Cassia occidentalis</i>
Common Chickweed	<i>Stellaria media</i>
Common Lambsquarters	<i>Chenopodium album</i>
Common Purslane	<i>Portulaca oleracea</i>
Crotalaria	<i>Crotalaria spectabilis</i>
Dandelion	<i>Taraxacum officinale</i>
Dayflower	<i>Commelina</i> spp.
Devilsclaw	<i>Proboscidea louisianica</i>
Ducksalad	<i>Heteranthera limosa</i>
Eclipta	<i>Eclipta alba</i>
Eastern Black Nightshade	<i>Solanum ptycanthum</i>
Florida Beggarweed	<i>Desmodium tortuosum</i>
Florida Pusley	<i>Richardia scabra</i>
Galinsoga	<i>Galinsoga</i> spp.
Goldenrod, Western	<i>Solidago occidentalis</i>
Gooseweed	<i>Sphenoclea zeylanica</i>
Groundsel, Common	<i>Senecio vulgaris</i>
Jimsonweed	<i>Datura stramonium</i>
Kochia	<i>Kochia scoparia</i>
Ladysthumb	<i>Polygonum persicaria</i>
Marshelder	<i>Iva xanthifolia</i>
Mayweed/Dogfennel	<i>Anthemis cotula</i>
Musk Thistle	<i>Carduus nutans</i>
Morningglory, Tall (Common)	<i>Ipomoea purpurea</i>
Morningglory, Cypressvine	<i>Ipomoea quamoclit</i>
Morningglory, Entireleaf	<i>Ipomoea hederacea</i> var. <i>integriuscula</i>
Morningglory, Ivyleaf	<i>Ipomoea hederacea</i>
Morningglory, Palmleaf	<i>Ipomoea wrightii</i>
Morningglory, Pitted	<i>Ipomoea lacunosa</i>
Morningglory, Purple Moonflower	<i>Ipomoea muricata</i>
Morningglory, Smallflower	<i>Jacquemontia tamnifolia</i>
Mouse-ear Chickweed	<i>Cerastium vulgatum</i>
Nightshade, Black	<i>Solanum nigrum</i>
Nightshade, Hairy	<i>Solanum sarachoides</i>
Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>
Pigweed, Redroot	<i>Amaranthus retroflexus</i>
Pigweed, Smooth	<i>Amaranthus hybridus</i>
Plantain	<i>Plantago</i> spp.
Prickly Sida or Teaweed	<i>Sida spinosa</i>
Ragweed, Common	<i>Ambrosia artemisiifolia</i>
Ragweed, Giant	<i>Ambrosia trifida</i>
Redstem	<i>Ammannia</i> spp.
Redweed	<i>Melochia corchorifolia</i>
Sesbania	<i>Sesbania exaltata</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Sicklepod	<i>Cassia obtusifolia</i>
Spurge	<i>Euphorbia maculata</i>
Spurred Anoda	<i>Anoda caristata</i>
Tropic Croton	<i>Croton glandulosus</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Venice Mallow	<i>Hibiscus trionum</i>
Waterhemp, Tall	<i>Amaranthus tuberculatus</i>
Waterplantain, Common	<i>Alisma triviale</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>

Common Name	Scientific Name
Annual Sedges	<i>Cyperus spp.</i>
Bulrush, River	<i>Scirpus fluviatilis</i>
Bulrush, Roughseed	<i>Scirpus mucronatus</i>
Spikerush	<i>Eleocharis macrostachya</i>
Umbrellaplant, Smallflower	<i>Cyperus difformis</i>
Yellow Nutsedge	<i>Cyperus esculentus</i>

**Conditions of Sale and Warranty**  
The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result, because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. 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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*The purchase price of Basagran DF herbicide includes a royalty for the license to practice the method of U.S. Patent 3,708,277.*

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

**BASF**



ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAY 5 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
7969-122

# Basagran® Dry T/O

herbicide

For postemergence use on established turf and ornamentals to control broadleaf weeds and sedges. For use on athletic fields, cemeteries, golf course fairways, industrial sites, nurseries, parks, residential and non-residential lawns, sod farms, roadsides, rights-of-ways, and similar non-crop areas.

A formulation containing:

**Active ingredient**

Sodium salt of bentazon (3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide) ..... 95.0%

**Inert ingredients** ..... 5.0%

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

EPA Reg. No. 7969-122

**KEEP OUT OF REACH OF CHILDREN.**

## DANGER/PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**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 by a poison control center or doctor.

**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. Call a poison control center or doctor for treatment advice.

**If on skin:** 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. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

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 pound**

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

**DANGER:** Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed. Harmful if absorbed through skin. This product may cause skin sensitization reactions in some people.

**Personal Protective Equipment (PPE)**

**Applicators and other handlers must wear:**

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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.

**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
- Protective eyewear

**Storage and Disposal**

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

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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

Do not re-use empty container.

**In Case of Emergency**

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

CHEMTREC 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

**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.

Read the **Precautionary Statement, Environmental Hazards, Storage and Disposal statements, and Conditions of Sale and Warranty** statement appearing on the container label.

**Established Turf**

**General Information**

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

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

by **Basagran Dry T/O** in turf are annual sedges, yellow nutsedge, spurweed/ lawn burweed, lamb-squarters, Venice mallow, shepherdspurse, smartweed, chickweed, common groundsel, lady's-thumb, jimsonweed, galinsoga, common purslane, cocklebur, beggarticks, wild mustard, wild poinsettia, wild buckwheat, velvetleaf, Canada thistle, and musk thistle. Weeds suppressed by **Basagran® Dry T/O herbicide** 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.

**Application Information**  
Apply **Basagran Dry T/O** to actively growing weeds postemergence 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 Dry T/O** according to the label directions. In unmowed turf, make the first application postemergence 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 Dry 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

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

Area to be Sprayed	200 sq. ft.	400 sq. ft.	1000 sq. ft.	1 acre
<b>Basagran Dry T/O</b>	0.08 ounce	0.16 ounce	0.41 ounce	18-36 ounces
Water <sup>b</sup>	0.2-0.4 gallons (1.6-3.2 pints)	0.4-0.8 gallons (3.2-6.4 pints)	1-2 gallons (2-4 pints)	40-80 gallons

\* For controlling yellow nutsedge, apply no more than 0.41 ounces per 1,000 square feet (18 ounces per acre) at one time. Make a second application 10-14 days later. Apply no more than 0.82 ounces per 1,000 square feet (36 ounces per acre) in one season. For perennial ryegrass, apply no more than 0.41 ounces per 1,000 square feet (18 ounces per acre) at one time. Make a second application no less than 21 days later.

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

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. For additional information, see **Jar Test for Estimating Suitability of Oil Concentrates**.

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

**Rate of Oil Concentrate**  
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 gallons per 1,000 square feet spray volume, use 6<sup>2</sup>/<sub>3</sub> cups (1600 ml) of water. For other spray volumes, adjust proportionately to above.
3. **Amount of herbicide and oil concentrate to add:** Add 0.17 ounces of **Basagran Dry T/O** and 2 teaspoons of oil concentrate for each 0.41 ounce of **Basagran Dry T/O** per 1,000 square feet of recommended label rate.

4. **Add components** in the following sequence, gently mixing between additions:

1. **Basagran Dry 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. Thus, 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 Dry 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 Dry 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 0.16 ounces of **Basagran® Dry T/O herbicide** 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.

#### Recommended Tank Mixes with Basagran Dry 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 Dry T/O**. Other products that may be tank mixed are **Prompt® 5L herbicide**, MSMA, **Image®**, atrazine, **Turflon®**, 2,4-D, and mixes of 2,4-D, MCP (mecoprop) or 2,4-DP (dichlorprop). A tank mix with **Vantage® herbicide** may be used on centipedegrass and fine fescue species. Some of these products cannot be used on all turf sites or species. Refer to the respective product labels for site and species

restrictions.

Determine the compatibility of the potential tank mix product before mixing with **Basagran Dry T/O** in the spray tank. An antifoaming agent may be used if needed.

Do not use a surfactant or oil additive with 2,4-D, MCP, or 2,4-DP. Read each tank mix product label for **Directions For Use, Precautionary Statements, and Restrictions and Limitations.** The most restrictive labeling applies in all tank mixes.

#### Restrictions and Limitations

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

Do not apply **Basagran Dry 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 0.41 ounces of **Basagran Dry T/O** per 1,000 square feet (18 ounces per acre) at one time. Make a second application no less than 21 days later.

Do not apply more than 0.82 ounces of **Basagran Dry T/O** per 1,000 square feet (36 ounces per acre) in one season.

Do not exceed a total of 2 pounds of active ingredient (bentazon) per acre per calendar year. **Basagran Dry T/O** contains 87% active ingredient of bentazon and one pint of **Prompt 5L** contains 0.3125 pounds of bentazon.

Do not exceed a total of 0.357 ounces of active ingredient (bentazon) per 1,000 square feet per application or 0.71 ounces of active ingredient (bentazon) per 1,000 square feet per calendar year. One ounce of **Basagran Dry T/O** contains 0.87 ounces of bentazon and one fluid ounce of **Prompt 5L** contains 0.3125 ounces of bentazon.

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

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

BASF does not recommend the using **Basagran Dry 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 Dry 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 Dry T/O**, particularly if a herbicide with the potential to injure the turf to be sprayed with **Basagran Dry T/O** was used.

When treating turf with **Basagran Dry 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**.

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

45/56

Weeds Controlled <sup>a</sup>	Application Rates for Weed Growth Stage			
	0.32 ounces per 1,000 square feet (14 ounces per acre)		0.41 ounces per 1,000 square feet (18 ounces 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
Beggarticks	Up to 6	6	6-8	8
Bristly Starbur	Not Recommended	—	4-6	3
Buckwheat, Wild	Up to 4	3	4-6	5
Coffee Senna	Not Recommended	—	Up to 1 pinnate <sup>b</sup>	2
Dayflower	Up to 6	4	6-10	8
Devilsclaw	Not Recommended	—	Up to 6 <sup>b</sup>	3
Galinsoga	Not Recommended	—	Cotyledon to 6 <sup>b</sup>	2
Groundsel, Common	Not Recommended	—	2-10	6
Ladysthumb	Up to 6	6	6-10	10
Lambsquarters <sup>c</sup> , Common	Not Recommended	—	4-8 <sup>b</sup>	2
Mustard, Wild	Up to 6	4	6-10	8
Pennsylvania Smartweed	Up to 6	6	6-10	10
Poinsettia, Wild	2-4	4	4-8 <sup>b</sup>	6
Prickly Sida or Teaweed	Up to 6	3	6-8	4
Purslane, Common	Up to 4	1	4-6	2
Ragweed, Common	Not Recommended	—	4-6 <sup>b</sup>	3
Giant <sup>d</sup>	Not Recommended	—	Up to 4	6
Redweed	4-6	6	6-10	8
Sesbania	Not Recommended	—	3-5 <sup>b</sup>	3
Shepherdspurse <sup>e</sup>	Up to 6	4	6-10	8
Spurweed/Lawn burweed	Not Recommended	—	2-6	3
Sunflower, Wild	Up to 4	5	4-6	8
Tropic Croton	Up to 2	2	2-4	4
Venice Mallow	Up to 6	2	6-10	4

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

**Special Directions for Other Weed Problems**

<p><b>Canada Thistle</b> Apply 0.41 ounces of <b>Basagran® Dry T/O herbicide</b> per 1,000 square feet (18 ounces 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><b>Yellow Nutsedge</b> Two applications are preferred for best results. Apply 0.32-0.41 ounces of <b>Basagran Dry T/O</b> per 1,000 square feet (14-18 ounces per acre) when plants are 6-8 inches tall. If needed, make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of <b>Basagran Dry T/O</b> and water for each application, according to the <b>Directions for Use</b>.</p>
<p><b>Musk Thistle</b> Apply 0.41 ounces of <b>Basagran Dry T/O</b> per 1,000 square feet (18 ounces per acre) when plants are in the rosette stage no larger than 10 inches in diameter. Make a second application at the same rate if needed. Add oil concentrate to the spray solution of <b>Basagran Dry T/O</b> and water for each application, according to the <b>Directions for Use</b>.</p>

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

**General Information**

**Basagran® Dry T/O** herbicide is intended for selective postemergence control of certain broadleaf weeds and sedges. (See **Table 2** for specific weeds.) **Basagran Dry T/O** does not control grasses.

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

**Special Information for Irrigated Areas**

If moisture is not adequate for active weed growth, irrigate before applying **Basagran Dry T/O**. 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 Dry 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 Dry 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 Dry T/O** may be used in these 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 Dry 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 Dry T/O** can be used safely prior to broad use.

**Post-directed Applications**

Apply **Basagran Dry 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 Dry T/O** as a directed spray under the tree line or over the roots of sycamore and rhododendron. Do not use 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>
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 "Densiformis"	<i>Taxus cuspidata</i>
Yew "Hatfieldii"	<i>Taxus media</i>
Yew "Hicks"	<i>Taxus media</i>

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

**Restrictions and Limitations**

Do not apply **Basagran® Dry 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 Dry 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 Dry T/O**.

Do not apply more than 0.82 ounces of **Basagran Dry T/O** per 1000 square feet (36 ounces 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 calendar year. **Basagran Dry T/O** contains 87% active ingredient of bentazon and one pint of **Prompt® 5L** contains 0.3125 pound of bentazon.

Do not exceed a total of 0.357 ounces active ingredient (bentazon) per 1,000 square feet per application or 0.71 ounces of active ingredient (bentazon) per 1,000 square feet per calendar year. One ounce of **Basagran Dry T/O** contains 0.87 ounces of bentazon and one fluid ounce of **Prompt 5L** contains 0.3125 ounces of bentazon.

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

Physical incompatibility, reduced weed control, or ornamental plant injury may result from mixing **Basagran Dry T/O** with pesticides (fungicides, herbicides, insecticides or miticides), additives or fertilizers. BASF does not recommend using **Basagran Dry 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 Dry T/O** plus an oil concentrate with other pesticides whose labels caution against their use with oil adjuvants.

**Recommended Tank Mixes**  
**Basagran Dry T/O + Pennant Tank Mix**

A tank mix application of **Basagran Dry T/O + Pennant® herbicide** may be direct sprayed to control yellow nutsedge and certain emerged broadleaf weeds listed on the **Basagran Dry 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 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 Dry T/O + Vantage Tank Mix**

A tank mix of **Basagran Dry 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 Dry T/O** may be tank mixed with other compatible products registered for use in ornamentals. Tank mixes using other products with **Basagran Dry 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>
Beggarticks	<i>Bidens frondosa</i>
Bristly Starbur	<i>Acanthospermum hispidum</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 pensylvanicum</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>Carcus nutans</i>
Tropic Croton	<i>Croton glandulosus</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>

**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.

*Basagran is a registered trademark of BASF AG.*  
*Vantage is a trademark and Prompt is a registered trademark of BASF Corp.*  
*Image is a registered trademark of American Cyanamid Company.*  
*Turfion is a registered trademark of DowElanco.*  
*Pennant is a registered trademark of Ciba-Geigy Corporation.*  
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P.O. Box 13528  
Research Triangle Park, NC 27709



**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>



ACCEPTED  
with COMMENTS  
In EPA Letter Dated

MAY 5 2000

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

7969-122

# Basagran<sup>®</sup> SG

herbicide

For postemergence use on established turf and ornamentals to control broadleaf weeds and sedges. For use on athletic fields, cemeteries, golf course fairways, industrial sites, nurseries, parks, residential and non-residential lawns, sod farms, roadsides, rights-of-ways, and similar non-crop areas.

A formulation containing:

**Active ingredient**

Sodium salt of bentazon (3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide) ..... 95.0%

**Inert ingredients** ..... 5.0%

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

EPA Reg. No. 7969-122

**KEEP OUT OF REACH OF CHILDREN.**

## DANGER/PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**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 by a poison control center or doctor.

**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. Call a poison control center or doctor for treatment advice.

**If on skin:** 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. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

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 pound**

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

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

**DANGER:** Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed. Harmful if absorbed through skin. This product may cause skin sensitization reactions in some people.

**Personal Protective Equipment (PPE)**

**Applicators and other handlers must wear:**

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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.

**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
- Protective eyewear

**Storage and Disposal**

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

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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

Do not re-use empty container.

**In Case of Emergency**

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

**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.

Read the **Precautionary Statement, Environmental Hazards, Storage and Disposal statements, and Conditions of Sale and Warranty** statement appearing on the container label.

**Established Turf**

**General Information**

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

**Basagran SG** is intended for selective postemergence control of broadleaf weeds, annual sedges, and yellow nutsedge. **Basagran SG** does not control grasses.

**Basagran SG** is effective mainly through contact, therefore, all plants must be thoroughly covered with spray. Weeds controlled

by **Basagran SG** in turf are annual sedges, yellow nutsedge, spurweed/ lawn burweed, lambsquarters, Venice mallow, shepherds-purse, 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® SG herbicide** 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.

**Application Information**

Apply **Basagran SG** to actively growing weeds postemergence 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 SG** according to the label directions. In unmowed turf, make the first application postemergence 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 SG**.

**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 con-

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

Area to be Sprayed	200 sq. ft.	400 sq. ft.	1000 sq. ft.	1 acre
<b>Basagran SG</b>	0.08 ounce	0.16 ounce	0.41 ounce	18-36 ounces
Water <sup>b</sup>	0.2-0.4 gallons (1.6-3.2 pints)	0.4-0.8 gallons (3.2-6.4 pints)	1-2 gallons (2-4 pints)	40-80 gallons

\* For controlling yellow nutsedge, apply no more than 0.41 ounces per 1,000 square feet (18 ounces per acre) at one time. Make a second application 10-14 days later. Apply no more than 0.82 ounces per 1,000 square feet (36 ounces per acre) in one season. For perennial ryegrass, apply no more than 0.41 ounces per 1,000 square feet (18 ounces per acre) at one time. Make a second application no less than 21 days later.

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

tain 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. For additional information, see **Jar Test for Estimating Suitability of Oil Concentrates**.

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

**Rate of Oil Concentrate**

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 gallons per 1,000 square feet spray volume, use 6<sup>2</sup>/<sub>3</sub> cups (1600 ml) of water. For other spray volumes, adjust proportionately to above.
3. **Amount of herbicide and oil concentrate to add:** Add 0.17 ounces of **Basagran SG** and 2 teaspoons of oil concentrate for each 0.41 ounce of **Basagran SG** per 1,000 square feet of recommended label rate.

4. **Add components** in the following sequence, gently mixing between additions:
  1. **Basagran SG**
  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. Thus, 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 SG**.

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 SG**, 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 0.16 ounces of **Basagran® SG herbicide** 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.

#### Recommended Tank Mixes with Basagran SG — 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 SG**. Other products that may be tank mixed are **Prompt® 5L herbicide**, **MSMA**, **Image®**, atrazine, **Turflon®**, 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 centipede-grass 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 SG** 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.

#### Restrictions and Limitations

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

Do not apply **Basagran SG** 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 0.41 ounces of

**Basagran SG** per 1,000 square

feet (18 ounces per acre) at one time. Make a second application no

less than 21 days later. Do not apply more than 0.82 ounces of **Basagran SG** per 1,000 square feet (36 ounces per acre) in one season.

Do not exceed a total of 2 pounds of active ingredient (bentazon) per acre per calendar year. **Basagran SG** contains 87% active ingredient of bentazon and one pint of **Prompt 5L** contains 0.3125 pounds of bentazon.

Do not exceed a total of 0.357 ounces of active ingredient (bentazon) per 1,000 square feet per application or 0.71 ounces of active ingredient (bentazon) per 1,000 square feet per calendar year. One ounce of **Basagran SG** contains 0.87 ounces of bentazon and one fluid ounce of **Prompt 5L** contains 0.3125 ounces of bentazon.

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

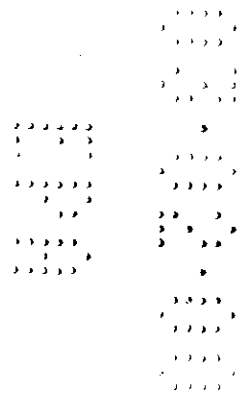
Physical incompatibility, reduced weed control or turf injury may result from mixing **Basagran SG** with pesticides (fungicides, herbicides, insecticides or miticides), additives or fertilizers.

BASF does not recommend the using **Basagran SG** 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 SG** plus an oil concentrate with other pesticides whose labels caution against their use with oil adjuvants.

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

When treating turf with **Basagran SG**, 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**.



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

Weeds Controlled <sup>a</sup>	Application Rates for Weed Growth Stage			
	0.32 ounces per 1,000 square feet (14 ounces per acre)		0.41 ounces per 1,000 square feet (18 ounces 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
Beggarticks	Up to 6	6	6-8	8
Bristly Starbur	Not Recommended	—	4-6	3
Buckwheat, Wild	Up to 4	3	4-6	5
Coffee Senna	Not Recommended	—	Up to 1 pinnate <sup>b</sup>	2
Dayflower	Up to 6	4	6-10	8
Devilsclaw	Not Recommended	—	Up to 6 <sup>c</sup>	3
Galinsoga	Not Recommended	—	Cotyledon to 6 <sup>c</sup>	2
Groundsel, Common	Not Recommended	—	2-10	6
Ladysthumb	Up to 6	6	6-10	10
Lambsquarters <sup>c</sup> , Common	Not Recommended	—	4-8 <sup>b</sup>	2
Mustard, Wild	Up to 6	4	6-10	8
Pennsylvania Smartweed	Up to 6	6	6-10	10
Poinsettia, Wild	2-4	4	4-8 <sup>b</sup>	6
Prickly Sida or Teaweed	Up to 6	3	6-8	4
Purslane, Common	Up to 4	1	4-6	2
Ragweed, Common	Not Recommended	—	4-6 <sup>b</sup>	3
Giant <sup>d</sup>	Not Recommended	—	Up to 4	6
Redweed	4-6	6	6-10	8
Sesbania	Not Recommended	—	3-5 <sup>b</sup>	3
Shepherdspurse <sup>e</sup>	Up to 6	4	6-10	8
Spurweed/Lawn burweed	Not Recommended	—	2-6	3
Sunflower, Wild	Up to 4	5	4-6	8
Tropic Croton	Up to 2	2	2-4	4
Venice Mallow	Up to 6	2	6-10	4

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

**Special Directions for Other Weed Problems**

<p><b>Canada Thistle</b> Apply 0.41 ounces of <b>Basagran<sup>®</sup> SG herbicide</b> per 1,000 square feet (18 ounces 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><b>Yellow Nutsedge</b> Two applications are preferred for best results. Apply 0.32-0.41 ounces of <b>Basagran SG</b> per 1,000 square feet (14-18 ounces per acre) when plants are 6-8 inches tall. If needed, make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of <b>Basagran SG</b> and water for each application, according to the <b>Directions for Use</b>.</p>
<p><b>Musk Thistle</b> Apply 0.41 ounces of <b>Basagran SG</b> per 1,000 square feet (18 ounces per acre) when plants are in the rosette stage no larger than 10 inches in diameter. Make a second application at the same rate if needed. Add oil concentrate to the spray solution of <b>Basagran SG</b> and water for each application, according to the <b>Directions for Use</b>.</p>

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

**General Information**

**Basagran® SG herbicide** is intended for selective postemergence control of certain broadleaf weeds and sedges. (See **Table 2** for specific weeds.) **Basagran SG** does not control grasses.

**Basagran SG** 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 SG** 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 SG** 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 application of **Basagran SG**.

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

**Special Information for Irrigated Areas**

If moisture is not adequate for active weed growth, irrigate before applying **Basagran SG**. 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 SG**, and allow to mix thoroughly. Add oil concentrate and the remaining volume of water. Maintain constant agitation during application.

**Over-The-Top Applications**

**Basagran SG** 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 SG** may be used in these 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 SG** 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 SG** can be used safely prior to broad use.

**Post-directed Applications**

Apply **Basagran SG** 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 SG** as a directed spray under the tree line or over the roots of sycamore and rhododendron. Do not use 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>Antirrhinium majus</i>
Yew, Japanese "Densiformis"	<i>Taxus cuspidata</i>
Yew "Hatfieldii"	<i>Taxus media</i>
Yew "Hicks"	<i>Taxus media</i>

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

**Restrictions and Limitations**  
Do not apply **Basagran® SG 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 SG** 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 SG**.

Do not apply more than 0.82 ounces of **Basagran SG** per 1000 square feet (36 ounces 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 calendar year. **Basagran SG** contains 87% active ingredient of bentazon and one pint of **Prompt® 5L** contains 0.3125 pound of bentazon.

Do not exceed a total of 0.357 ounces active ingredient (bentazon) per 1,000 square feet per application or 0.71 ounces of active ingredient (bentazon) per 1,000 square feet per calendar year. One ounce of **Basagran SG** contains 0.87 ounces of bentazon and one fluid ounce of **Prompt 5L** contains 0.3125 ounces of bentazon.

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

Physical incompatibility, reduced weed control, or ornamental plant injury may result from mixing **Basagran SG** with pesticides (fungicides, herbicides, insecticides or miticides), additives or fertilizers. BASF does not recommend using **Basagran SG** 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 SG** plus an oil concentrate with other pesticides whose labels caution against their use with oil adjuvants.

**Recommended Tank Mixes**  
**Basagran SG + Pennant Tank Mix**

A tank mix application of **Basagran SG + Pennant® herbicide** may be direct sprayed to control yellow nutsedge and certain emerged broadleaf weeds listed on the **Basagran SG** label.

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 SG + Vantage Tank Mix**

A tank mix of **Basagran SG + 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 SG** may be tank mixed with other compatible products registered for use in ornamentals. Tank mixes using other products with **Basagran SG** 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>
Beggarticks	<i>Bidens frondosa</i>
Bristly Starbur	<i>Acanthospermum hispidum</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 pensylvanicum</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>
Tropic Croton	<i>Croton glandulosus</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 rotundas</i>
Yellow Nutsedge	<i>Cyperus esculentus</i>

**Conditions of Sale and Warranty**

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result, because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer.

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