

BASAGRAN® HERBICIDE

EPA Reg. No. 7969-45-66330
AD020501

All applicable directions, restrictions, precautions and Warranty on the EPA-registered label are to be followed. This labeling must be in the possession of the user at the time of herbicide application.

For Use in Nonbearing Food Crops: Almonds, Apples, Apricots, Avocados, Blackberries, Blueberries, Cherries, Crabapples, Dates, Figs, Grapes, Grapefruit, Lemons, Limes, Macadamias, Nectarines, Olives, Oranges, Peaches, Pears, Pecans, Pistachios, Plums, Pomegranates, Prunes, Raspberries, Tangelos, Tangerines, Walnuts

Directions For Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read the **Precautionary Statement, Environmental Hazards, Agricultural Use Requirements, Storage and Disposal statements, and Conditions of Sale and Warranty.**

General Information

Basagran® Herbicide is intended for selective postemergence control of certain broadleaf weeds and sedges. (See **Application Rate Table** for specific weeds). **Basagran** does not control grasses. **Basagran** 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. **Basagran** should be applied as a directed spray and away from the foliage of desired plants. A directed spray application should reduce the potential for leaf injury. However, some leaf speckling and leaf bronzing may occur under certain conditions. (See **Restrictions and Limitations**)

Timing of Application

Apply **Basagran** early postemergence as a directed spray, when weeds are small and actively growing and before weeds reach the maximum size listed in the **Application Rate Table**.

Early application to weeds produces the most beneficial effect on weed control (exception: yellow nutsedge and Canada thistle), allows use of the lower rate (depending on weed species), and makes it easier to obtain thorough spray coverage. Delay in application which permits weeds to exceed the maximum size stated will result in inadequate control. Do not cultivate or mow within five days before or after application of **Basagran**.

Water Volume and Spray Pressure

Apply recommended rates of **Basagran** as follows:

Ground Equipment: For best results, use a minimum of 20 gallons of water per acre and 40 psi pressure (measured at the boom, not at the pump or in the line). When weed foliage is dense, use up to 50 gallons of water. Use standard high-pressure pesticide flat fan or hollow cone nozzles spaced 20 inches apart. Do not use flood, whirl chamber, or controlled droplet applicator (CDA) nozzles.

Special Information for Irrigated Areas

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

Addition of Oil Concentrate to Spray Tank

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 **Application Rate Table**.

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

1. be nonphytotoxic
2. contain only EPA-exempt ingredients,
3. provide good mixing quality in the jar test (see the following page), and
4. be successful in local experience.

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

For additional information, see **Jar Test for Estimating Suitability of Oil Concentrates** at the end of this section.

With the addition of oil concentrate to **Basagran**, a slight leaf burn of desirable plants may occur, 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. However, a directed spray application should reduce the potential for leaf injury. Refer to your supplier of **Basagran** for information concerning successful local experience prior to purchasing any oil concentrate.

Rate of Oil Concentrate

Two pints in 20-50 gallons of water per acre.

Mixing/Spraying

Clean sprayer thoroughly prior to application of **Basagran® herbicide**, particularly if a herbicide was used with the potential to injure the crop to be sprayed with **Basagran**.

Fill tank of a thoroughly clean sprayer $\frac{1}{2}$ - $\frac{2}{3}$ with clean water. Start agitation and add **Basagran** and allow to mix thoroughly. Add oil concentrate and remaining volume of water. Maintain constant agitation during application.

Jar Test for Estimating Suitability of Oil Concentrates

1. **Water supply:** Use only water from intended source and at the source temperature.
2. **Amount of water in jar:**
Ground application: For 20 gallons per acre spray volume use 3 $\frac{1}{3}$ cups (800 ml) of water. For other spray volumes, adjust proportionately.
3. **Amount of herbicide and oil concentrate to add:** Add herbicide and oil concentrate at the rate of 1 teaspoon (5 ml) for each pint of recommended label rate.
4. **Add components in following sequence**, gently mixing between adding components:
 1. **Basagran**
 2. 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.

**Application Rate Table
Nonbearing Food Crops**

| Weeds Controlled | Application Rate Table | | | |
|---|------------------------|----------------|------------------------------|----------------|
| | 1½ pints per acre | | 2 pints per acre | |
| | 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 | 2-6 ¹ | 6" | 6-10 | 10" |
| Coffee Senna | -- | -- | Up to 1 pinnate ² | 2" |
| Common Lambsquarters ³ | Up to 6 | 1 ½" | 4-8 ² | 2" |
| Common Purslane | Up to 4 | 1" | 4-6 | 2" |
| Common Ragweed | -- | -- | 4-6 ² | 3" |
| Dayflower | Up to 6 | 4" | 6-10 | 8" |
| Devilsclaw | -- | -- | Up to 6 ² | 3" |
| Galinsoga | -- | -- | Cotyledon to 6 ² | 2" |
| Giant Ragweed ⁴ | -- | -- | Up to 4 | 6" |
| Jimsonweed | Up to 6 | 6" | 6-10 | 10" |
| Ladysthumb | Up to 6 | 6" | 6-10 | 10" |
| Marshelder | Up to 4 | 2" | Up to 8 | 4" |
| Pennsylvania Smartweed | 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 | -- | -- | 3-5 ² | 3" |
| Shepherdspurse ⁵ | 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 | Up to 6 ² | 5" | 4-6 ² | 6" |
| Venice Mallow | Up to 6 | 2" | 6-10 | 4" |
| Wild Buckwheat | Up to 4 | 3" | 4-6 | 5" |
| Wild Mustard | Up to 6 | 4" | 6-10 | 8" |
| Wild Poinsettia | 2-4 ² | 4" | 4-8 ² | 6" |
| Wild Sunflower | Up to 4 | 5" | 4-6 | 8" |
| For additional weeds, See Special Directions . | | | | |
| ¹ Do not treat earlier than leaf stage shown, and do not count cotyledon leaves. | | | | |
| ² Add oil concentrate according to the Directions For Use . | | | | |
| ³ Control may be partial or inconsistent. | | | | |
| ⁴ If after the first application, a second weed flush develops, re-treat according to this rate table. | | | | |
| ⁵ Do not treat rosette before the seed stalk appears. | | | | |

Special Directions for Other Weed Problems

Canada Thistle

Apply 2 pints of **Basagran** per acre when plants are between 8 inches tall and the bud stage. Make a second application at the same rate 7-10 days later. Add oil concentrate to the spray solution of **Basagran**/water for each application, according to the **Directions For Use**.

Yellow Nutsedge

Two applications are preferred for best results. Apply 1 ½ - 2 pints of **Basagran** 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 concentration to the spray solution of **Basagran**/water for each application, according to the **Directions For Use**.

Musk Thistle

Apply 2 pints of **Basagran** per acre when plants are in the rosette stage no larger than 10 inches in diameter. Make a second application at the same rate if needed. Add oil concentrate to the spray solution of **Basagran**/ water for each application, according to the **Directions For Use**.

Restrictions and Limitations

Do not apply **Basagran® herbicide** to crops listed on this label 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** to non-bearing food crops using aircraft or any air equipment that results in a broadcast spray application.

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

Do not apply more than 2 pints of **Basagran** (1.0 pounds of a.i.) per acre per application.

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

Do not graze animals in treated orchards and fields. Do not use hay from treated areas for animal feed or bedding.

Do not allow spray to contact green stems, bark, or foliage.

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 solid 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.

Storage and Disposal

Do not allow product to freeze.

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

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

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

Do not re-use empty container.

Nonbearing Food Crops

Post-directed applications **Basagran** should be applied when weeds are actively growing and before they reach the maximum size listed in the **Application Rate Table**. **Basagran** should be applied as a **directed spray** and away from the foliage of desired plants. If needed, use a spray shield or wrap or cover the plants when spraying around very young trees or vines.

The following plants are tolerant to **Basagran** when used as a directed spray. Do not apply within one year of harvest.

Nonbearing Food Crops

Almonds
Apples
Apricots

Avocados
Blackberries*
Blueberries

Cherries
Crabapples
Dates
Figs
Grapes
Grapefruit
Lemons
Limes
Macadamias
Nectarines
Olives
Oranges

Peaches
Pears
Pecans
Pistachios
Plums
Pomegranates
Prunes
Raspberries*
Tangelos
Tangerines
Walnuts

*Apply at or before planting only

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

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