

7969-77

PM-23

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1 of 7

**BASF**

RT 1-22-98

**ACCEPTED**

MAR 3 1998

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 7969-77

# Galaxy<sup>®</sup>

## herbicide

**Active ingredients\***

Sodium salt of bentazon: (3-(isopropyl)-1H-2,1,3-benzothiadiazin-4 (3H)-one 2, 2-dioxide).....	33.4%
Sodium salt of acifluorfen: sodium (5-[2-chloro-4- (trifluoromethyl) phenoxy]-2-nitrobenzoate).....	6.8%
<b>Inert ingredients:</b> .....	<u>59.8%</u>
<b>Total</b> .....	100.0%

\* Equivalent to 3.00 pounds of bentazon and 0.67 pounds of sodium acifluorfen per gallon.

EPA Reg. No. 7969-77

**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).

**Statement of Practical Treatment**

**If in eyes:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**If on skin:** Wash with plenty of soap and water. Get medical attention.

**If swallowed:** Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol.

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

See inside 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** for information about this standard.

**Net contents: 2.5 gallons**

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 or on clothing. Avoid contact with skin. Harmful if swallowed or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**Personal Protective Equipment (PPE)**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- 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 and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Controls Statement**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside 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 washwaters. Do not apply when weather conditions favor drift from target area.

**Groundwater Advisory**

Bentazon and acifluorfen are present in this product. These chemicals are known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this product in areas where soils are permeable, such as sand and soils with loamy sand textures, particularly where water tables are shallow could result in contamination of groundwater. The utilization of irrigated water in these areas will increase the likelihood of contamination.

**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**

Keep from freezing. Store above 40° F.

Do not contaminate water, food or feed by storage or 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**

**Plastic Containers:** 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.

**Bulk/Mini-bulk Containers:**

Refillable/reusable containers should be returned to the point of purchase for cleaning and refilling.

**In Case of Emergency**

In case of large-scale spillage regarding this product, call: CHEMTREC 800-424-9300 BASF Corporation 800-832-HELP

In case of medical emergency regarding this product, call:

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

**Steps to be taken in case material is released or spilled.**

Dike and contain spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing and wash affected skin areas with water. Wash clothing before re-use. Keep spill out of all sewers and open bodies of water.

## General Information

**Galaxy** herbicide is intended for selective postemergence control of certain broadleaf weeds. **Galaxy** is effective mainly through contact action; therefore, weeds must be thoroughly covered with spray.

**Galaxy** may cause some soybean leaf speckling and leaf bronzing to occur under certain conditions.

## Timing of Applications

Apply **Galaxy** early postemergence to actively growing weeds before they reach the maximum size listed in **Table 1, Application Rate**

**Table.** Such applications generally correspond to the soybean growth stages of unifoliolate to two expanded trifoliolate leaves. Delaying application permits weeds to exceed the maximum size stated and will result in inadequate control.

Do not cultivate before or during the application because cultivation may put weeds under stress, making control more difficult to obtain. A timely cultivation 5-7 days after application will usually assist in weed control.

## Water Volume and Spray Pressure

Apply recommended rates of **Galaxy** as follows.

**Ground equipment:** Use a minimum of 10 gallons of water per broadcast acre and a minimum pressure 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 applicator (CDA) nozzles.

**Air equipment:** Use 5-10 gallons of water per acre and a maximum pressure 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, use the following application equipment and practices:

**Nozzle height:** 6-10 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) and not more than 20 degrees downward.

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 **Galaxy** by aircraft when wind is blowing more than 10 mph. Coarse sprays (larger droplets) are less likely to drift.

Do not apply **Galaxy** by air if ornamentals or sensitive non-target crops, such as cotton, sugar beets, sunflowers or okra are within 200 feet downwind.

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

## Spray Additives

Additives are needed with **Galaxy** to achieve consistent weed control. Either crop oil concentrate, urea ammonium nitrate, or ammonium sulfate are recommended.

**Directions For Use** of each follow.

## Oil Concentrate

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) can be added to the spray tank with **Galaxy**.

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

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar test, and
- prove beneficial 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. 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 **Galaxy** may cause some leaf burn on soybeans, 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 for information concerning successful local experience before purchasing any oil concentrate.

## Rate of Oil Concentrate:

**Ground application:** 2 pints per acre (maximum)

**Air application:** 1 pint per acre (maximum)

## 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 20 gallons per acre spray volume, use 3<sup>1</sup>/<sub>3</sub> cups (800 ml) of water.  
**Air application:** For 10 gallons per acre spray volume, use 1<sup>2</sup>/<sub>3</sub> cups (400 ml) of water. For other spray volumes, adjust proportionately to above.
3. **Amount of Galaxy and oil concentrate to add:** Add 1 teaspoon (5 ml) of **Galaxy** and oil concentrate for each pint of recommended label rate.
4. **Add components in following sequence, gently mixing between additions:**
  - a. **Galaxy**
  - b. 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 (film or globules) at the surface.
  - 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.

## Urea Ammonium Nitrate (UAN) or Ammonium Sulfate (AMS)

To improve velvetleaf control in soybeans, a UAN solution (commonly referred to as 28%, 30% or 32% nitrogen solution) or AMS may be added in place of crop oil concentrate. UAN and AMS are agricultural-grade fertilizers used by dealers for agricultural applications.

Adding UAN or AMS may cause a leaf burn on soybeans, but the new growth is normal, and crop vigor is not reduced. Refer to your supplier of **Galaxy** for information concerning successful local experience before using UAN or AMS. Do not use brass or aluminum nozzles when spraying with UAN or AMS.

**Use Rate for UAN or AMS**

**Ground application:**

UAN — 0.5-1 gallon per acre

AMS — 2.5 pounds per acre

**Air application:**

UAN — 0.5 gallon per acre

AMS — 2.5 pounds per acre if the application is made in more than 10 gallons of total solution per acre.

BASF does not recommend applying AMS if applied in less than 10 gallons per acre because of potential problems with precipitation in reduced volumes. Use AMS only if it has been demonstrated to be successful in local experience.

**Mixing**

Fill the tank of a thoroughly clean sprayer half to two-thirds full with

Clean water. Start agitation, add **Galaxy® herbicide**, and allow components to mix thoroughly. Add the spray additive and the remaining volume of water. Maintain constant agitation during application.

**Oil Concentrate + Nitrogen Solution**

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

**Ground Application:**

Oil Concentrate\* — 0.25% volume/volume (2 pints per 100 gallons of spray solution)

**plus**

**Nitrogen Solution:**

**UAN:** 2.5% volume/volume (2.5 gallons per 100 gallons of spray solution)

**AMS:** 6.25 pounds per 100 gallons of spray solution (1.25 pounds per acre at 20 gallons per acre)

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

**Table 1. Application Rates**

Weeds Controlled	Application Rates for Weed Growth Stages			
	Leaf Stage Up To	Maximum Height*	Galaxy Rate Per Acre	Spray Additive Rate Per Acre
Anoda, Spurred	6	3"	2 pints	See page 3 for details  1-2 pints of oil concentrate or if velvetleaf is the primary weed target and lambsquarters or common ragweed are not a problem, use either 0.5-1 gallon of UAN or 2.5 pounds of AMS or 0.25% v/v oil concentrate plus 2.5% v/v UAN <sup>f</sup>
Beggarticks	6	6"		
Buckwheat, Wild	4	3"		
Cocklebur <sup>a</sup>	6	6"		
Dayflower	6	4"		
Devilsclaw <sup>b</sup>	6	3"		
Galinsoga <sup>b</sup>	6	2"		
Jimsonweed	6	6"		
Ladysthumb	6	6"		
Lambsquarters, Common <sup>b</sup>	6	2"		
Mallow, Venice	6	4"		
Morningglories <sup>c</sup>	4	2"		
Mustard, Wild	6	4"		
Nightshade, Black	2	<2"		
Nutsedge, Yellow <sup>b</sup>	—	6-8"		
Pigweed, Redroot	4	2"		
Smooth	4	2"		
Poinsettia, Wild	4	4"		
Purslane, Common	4	1"		
Ragweed, Common	6	3"		
Giant	4	6"		
Redweed	6	6"		
Shepherdspurse <sup>d</sup>	6	4"		
Sida, Prickly or Teaweed	6	3"		
Smartweed, Pennsylvania	6	6"		
Starbur, Bristly	4	2"		
Sunflower, Wild	4	5"		
Thistle, Canada <sup>b</sup>	—	8" to bud stage		
Velvetleaf	6	5"		
Waterhemp, Tall	4	2"		

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

<sup>b</sup> Control may be inconsistent with this rate of **Galaxy**. A later application of **Basagran® herbicide** may be necessary (see label for **Basagran**).

<sup>c</sup> Control may be partial or inconsistent with this rate of **Galaxy**. A later application of **Blazer® herbicide** may be necessary (see label for **Blazer**).

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

<sup>e</sup> The rate of **Galaxy** may be increased to a maximum of 3 pints per acre (for weed suppression) when weed height exceeds recommended heights listed.

<sup>f</sup> AMS may be used in place of UAN. See **Spray Additives**.

**Restrictions and Limitations**

Do not apply more than a total of 3 pints of **Galaxy** herbicide per acre per season. Do not apply more than 1.75 pints of **Basagran** or 1.0 pint of **Blazer** herbicides after applying 3 pints of **Galaxy** per acre per season.

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

Do not apply **Galaxy** to soybeans 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 **Galaxy** to soybeans that show injury (leaf phytotoxicity or plant stunting) produced by any other prior herbicide applications, because this injury may be enhanced or prolonged.

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

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

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

Do not apply **Galaxy** within 50 days of soybean harvest.

Root crops (such as carrots, turnips, sweet potatoes, etc.) must not be planted in fields treated with **Galaxy** for 18 months after treatment.

In case of crop failure, only peanuts or soybeans may be immediately replanted.

Do not use treated plants for feed or forage.

Do not apply **Galaxy** through any type of irrigation equipment.

**Tank Mix Applications**

Always read and follow all label directions when using **Galaxy** alone or in tank mix combinations. The most restrictive labeling of either product used applies in tank mixes.

**Galaxy + Poast Plus® Herbicide + Silicone**

A tank mix of **Galaxy** plus **Poast Plus** will control broadleaf weeds and annual grasses not controlled by **Galaxy** or **Poast Plus** alone. The use of a silicone adjuvant reduces the tendency for severe crop injury while providing good foliar spray coverage and increasing the rainfastness of the tank mix.

**Time and Rate of Application**

Apply 2 pints of **Galaxy** plus 1.5 pints of **Poast Plus** plus silicone adjuvant (0.125-0.25% v/v) per acre. Add 1 pint of UAN per acre if velvetleaf is a problem.

**Water Volume Spray Pressure**

Apply recommended rates of this tank mix as follows:

**Ground Application:** Use a minimum of 10 gallons of water per broadcast acre at a minimum of 60 psi pressure (measured at the boom, not at the pump or in the line) to ensure adequate spray coverage. Use standard high pressure pesticide hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood or whirl chamber nozzles.

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

**Silicone Adjuvants**

The silicone adjuvant must meet all the following criteria:

- 1) be nonphytotoxic,
  - 2) contain only EPA-exempt ingredients,
  - 3) provide good mixing quality,
  - 4) be successful in local experience.
- Use 0.125-0.25% v/v (1-2 pints per 100 gallons of spray solution) of silicone adjuvant. The rate may need to be adjusted according to the adjuvant used.

**Nitrogen Solution**

UAN may be used according to the instructions below. For best results when velvetleaf is present, add UAN. UAN solution is commonly referred to as 28%, 30%, or 32% nitrogen, and is a water solution of urea and ammonium nitrate.

Because most nitrogen solutions are corrosive to galvanized steel and brass spray equipment, rinse the entire spray system with water after use. Ammonium sulfate (AMS) can be substituted at 1 pound per acre.

**Galaxy + 2,4-DB Tank Mix**

**Galaxy** may be tank mixed with 1-2 fluid ounces of 2,4-DB (**Butyrac**® 200 or **Butoxone**®) per acre to improve postemergence control of pigweed species and annual morningglory species.

The **Galaxy** plus 2,4-DB tank mix should be applied to actively growing weeds that have not been subjected to environmental stress.

An 80% active nonionic spray surfactant can be used at a rate of 1 pint per 100 gallons of spray solution. Adding a nonionic spray surfactant can increase the hormonal crop response of 2,4-DB. Crop oil concentrate, UAN or AMS should not be used in this tank mix.

To control velvetleaf, add 1 quart of 28% UAN to the **Galaxy** + 2,4-DB tank mix. Using this tank mix will cause soybean foliage injury such as burning, bronzing, or crinkling and may reduce yields.

Refer to **Tank Mix Use Precautions** for additional information.

**Galaxy + Pinnacle® Herbicide Tank Mix**

**Galaxy** can be tank mixed with up to 0.25 ounce of **Pinnacle** per acre to improve postemergence control of pigweed, lambsquarters, and wild sunflower.

Adjuvants are needed with the **Galaxy** plus **Pinnacle** tank mix to achieve consistent postemergence weed control. The standard label recommendation is 1-2 pints of an 80% active nonionic spray surfactant per 100 gallons of water plus 0.5-1 gallon of a nitrogen-based liquid fertilizer (such as 28% to 32% UAN) per acre.

Refer to **Tank Mix Use Precautions** for additional information.

**Galaxy + Concert® SP Herbicide Tank Mix**

**Galaxy** may be tank mixed with up to 0.5 ounce of **Concert SP** per acre for improved or additional postemergence control of pigweed, lambsquarters, wild sunflower, and yellow nutsedge.

Adjuvants are needed with the **Galaxy** plus **Concert SP** tank mix to achieve consistent postemergence weed control. The standard label recommendation is 1-2 pints of an 80% active nonionic spray surfactant per 100 gallons of spray mix plus 2-4 quarts of a nitrogen-based liquid fertilizer (such as 28% to 32% UAN) per acre.

Refer to **Tank Mix Use Precautions** for additional information.

**Galaxy® + Classic® Herbicides Tank Mix**

Galaxy can be tank mixed with 0.5-0.75 ounce of **Classic** per acre to improve or increase postemergence control of Florida beggarweed, sicklepod, sunflower, and yellow nutsedge.

Adjuvants are needed with the **Galaxy plus Classic** tank mix to achieve consistent postemergence weed control. The standard label recommendation is 1-2 pints of an 80% active nonionic spray surfactant per 100 gallons of spray mixture plus 0.5-1 gallon of a nitrogen based liquid fertilizer (such as 28% to 32% UAN) per acre.

Refer to **Tank Mix Use Precautions** for additional information.

**Galaxy + Scepter® Herbicide Tank Mix**

Galaxy may be tank mixed with 0.33 pint of **Scepter 1.5 EC** per acre or 1.4 ounces of **Scepter 70 DG** per acre to improve control of cocklebur, wild sunflower, and pigweed species. The **Galaxy plus Scepter** tank mix should be applied to actively growing weeds at the recommended growth stages.

Adjuvants are needed with the **Galaxy plus Scepter** tank mix to achieve consistent postemergence weed control.

The standard label recommendation is 1-2 pints of an 80% active nonionic spray surfactant per 100 gallons plus 1-2 quarts of a nitrogen-based fertilizer (such as 28% to 32% UAN) per acre.

Refer to **Tank Mix Use Precautions** for additional information.

**Galaxy + Pursuit® Herbicide Tank Mix**

Galaxy may be tank mixed with 2-4 ounces of **Pursuit** per acre to improve postemergence control of pigweed species and sunflower.

This tank mix offers additional control of hairy nightshade, Jerusalem artichoke, marshelder, kochia, and certain grasses as listed on the **Pursuit** label.

Adjuvants are needed with the **Galaxy plus Pursuit** tank mix to achieve consistent postemergence weed control. The standard label recommendation is 1-2 pints of an 80% active nonionic spray surfactant per 100 gallons plus 1-2 quarts of a nitrogen-based liquid fertilizer (such as 28% to 32% UAN) per acre.

Refer to **Tank Mix Use Precautions** for additional information.

**Tank Mix Use Precautions**

Read and follow the **Restrictions and Limitations** of all products used in a tank mix. The most restrictive labeling applies in tank mixes.

Do not apply **Galaxy™ herbicide** alone or in tank mixes to soybeans that have been subject to stress conditions such as hail damage, flooding, drought, injury from other pesticides, or widely fluctuating temperatures, as crop injury may result.

Observe all recropping restrictions of the respective herbicide used in tank mix with **Galaxy**.

Do not apply a tank mix of **Galaxy** plus 2,4-DB within 60 days of soybean harvest.

Do not apply a tank mix of **Galaxy** plus **Pinnacle® herbicide** within 60 days of soybean harvest.

Do not apply a tank mix of **Galaxy** plus **Classic® herbicide** within 60 days of soybean harvest.

Do not apply a tank mix of **Galaxy** plus **Pursuit® herbicide** within 85 days of soybean harvest.

Do not apply a tank mix of **Galaxy** plus **Concert® SP** within 60 days of soybean harvest.

Do not apply a tank mix of **Galaxy** plus **Poast Plus®** within 75 days of soybean harvest.



**Appendix**

The following are scientific names for the weeds listed in this section. For specific recommendations on control of these weeds, refer to the **Application Rate Table**.

**Broadleaf Weeds**

Common Name	Scientific Name
Anoda, Spurred	<i>Anoda cristata</i>
Beggarticks	<i>Bidens frondosa</i>
Buckwheat, Wild	<i>Polygonum convolvulus</i>
Butterprint (see Velvetleaf)	<i>Abutilon theophrasti</i>
Buttonweed (see Velvetleaf)	<i>Abutilon theophrasti</i>
Cocklebur	<i>Xanthium strumarium</i>
Dayflower	<i>Commelina</i> spp.
Devilsclaw	<i>Proboscidea louisianica</i>
Galinsoga	<i>Galinsoga</i> spp.
Jimsonweed	<i>Datura stramonium</i>
Ladysthumb	<i>Polygonum persicaria</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Mallow, Venice	<i>Hibiscus trionum</i>
Momingglory, Common (tall)	<i>Ipomoea purpurea</i>
, Cypressvine	<i>Ipomoea quamoclit</i>
Morningglory, Entireleaf	<i>Ipomoea hederacea</i>
, Ivyleaf	<i>Ipomoea hederacea</i>
, Palmleaf	<i>Ipomoea wrightii</i>
, Pitted	<i>Ipomoea lacunosa</i>
, Purple Moonflower	<i>Ipomoea muricata</i>
, Smallflower	<i>Jacquemontia tamnifolia</i>
Mustard, Wild	<i>Sinapsis arvensis</i>
Nightshade, Black	<i>Solanum nigrum</i>
Pigweed, Redroot	<i>Amaranthus retroflexus</i>
, Smooth	<i>Amaranthus hybridus</i>
Poinsettia, Wild	<i>Euphorbia heterophylla</i>
Purslane, Common	<i>Portulaca oleracea</i>
Ragweed, Common	<i>Ambrosia artemisiifolia</i>
, Giant	<i>Ambrosia trifida</i>
Redweed	<i>Melochia corchorifolia</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Sida, Prickly or Teaweed	<i>Sida spinosa</i>
Smartweed, Pennsylvania	<i>Polygonum pensylvanicum</i>
Starbur, Bristly	<i>Acanthospermum hispidum</i>
Sunflower, Wild	<i>Helianthus annuus</i>
Thistle, Canada	<i>Cirsium arvense</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Waterhemp, Tall	<i>Amaranthus tuberculatus</i>

**Sedges**

Common Name	Scientific Name
Nutsedge, Yellow	<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.

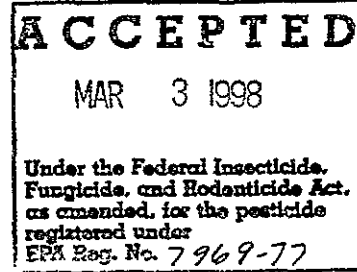
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# Galaxy<sup>®</sup>

herbicide



## Tank mix with Poast<sup>®</sup> herbicide for postemergence use in soybeans using Duplex<sup>®</sup> II and Prodigy<sup>™</sup> Systems

EPA Reg. No 7969-77

All applicable directions, restrictions, precautions and Conditions of Sale 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.

### Directions For Use

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

**Container Disposal:** Triple rinse Duplex<sup>®</sup> II 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.

**Prodigy<sup>™</sup> System** must be returned to the point of purchase for cleaning and refilling.

### General Information

**Poast<sup>®</sup> + Galaxy<sup>®</sup> herbicides** are intended for early postemergence control of a wide spectrum of broadleaf weeds and grasses in soybeans. **Poast + Galaxy** is effective through contact and systemic action; therefore, weeds must be thoroughly covered with spray. Large crop- and weed-leaf canopies shelter smaller weeds and prevent adequate spray coverage. **Poast + Galaxy** may cause soybean leaf-speckling and leaf-bronzing under certain conditions. Soybeans are tolerant and generally outgrow these conditions in 7-10 days.

### Prodigy<sup>™</sup> System

**Poast + Galaxy** is supplied in the **Prodigy System**, a unique, 120-gallon mini-bulk closed delivery system. It consists of a self-discharging tank that does not require any pumping mechanism, and has a dry lock connector which protects the user from

exposure to tank contents.

Do not refill **Prodigy System**.

Return **Prodigy System** to BASF for cleaning and refilling.

**Poast + Galaxy** in a dedicated, returnable **Prodigy System** can only be used with the closed **Prodigy System** in which it comes packaged.

The **Prodigy System**, when operated according to directions, will discharge **Galaxy** and **Poast** in a 1:0.75 ratio. See **Prodigy System Operating Procedure**

### Duplex II System

**Poast + Galaxy** is provided in a molded jug pack that contains enough **Galaxy** and **Poast** to treat 5 acres.

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.

### Prodigy System Operating Procedure

**Attention!** The **Prodigy System** is a pressurized delivery system. Do not attempt to open the container. Transfer product only by following these steps:

1. Install a male dry lock connector to the spray tank.
2. Uncoil the hose from the rack and connect the female dry lock connector (at the end of the hose attached to the tank) with the male dry lock connector installed on the spray tank.
3. Turn on the nitrogen gas supply.
4. Push down on the activation handle in the front near the meter until the handle is locked in the lower position allowing the manifold to fill with product and become pressurized.

Some tanks do not have a handle; move on to the next step.

5. Turn the meter on by pressing the "ON/TOTAL" button.
6. Press "RESET" button to set current total to "0.00" if desired.
7. Turn the yellow product delivery valve counterclockwise (to horizontal) until the desired amount of product, as indicated on the measuring meter, has been discharged into the spray tank.
8. Turn the yellow product delivery valve clockwise (to vertical) to stop the discharge of product into your spray tank.
9. Lift the activation handle to the unlocked position (in front near the meter) to stop liquid and pressurization from flowing into the manifold. Some tanks do not have a handle; move on to the next step.
10. Turn off the nitrogen gas valve when the **Prodigy System** is not in use.
11. Hose draining: Starting at the yellow handle on the **Prodigy Tank**, grasp the hose and walk toward the receiving tank holding the hose level or higher than the dry lock connection allowing all of the product to drain out of the hose.
12. Disconnect the female dry lock connector on the tank hose from the male dry lock connector on the spray tank.
13. Recoil the hose onto the hose rack.
14. Be sure to turn off the nitrogen gas valve on the nitrogen cylinder when the **Prodigy System** operation is completed, or when the tank is empty, or when the tank is ready to be returned to the point of purchase.



Leave all product and bar code labels in place. Product labels must remain in place to comply with Department of Transportation regulations.

#### Return Container Promptly to Distributor

The **Prodigy™ System** containers are tracked with bar codes and serial numbers. Distributors are responsible for the containers assigned to them.

Return this container to the distributor from which it was purchased. Notify the distributor if the container cannot be returned by a specific time.

The distributor is responsible for returning the container to BASF. The distributor will be charged for any container not returned within 30 days.

#### Prodigy Mixing

- 1) Fill tank of a thoroughly clean sprayer one half to two-thirds full with clean water. Start agitation.
- 2) Add nitrogen fertilizer.
- 3) Add tank mix partner if applicable. Allow to mix thoroughly.
- 4) Add **Poast® + Galaxy® herbicides**. Allow to mix thoroughly.
- 5) Add crop oil concentrate and remaining volume of water.
- 6) Allow to mix thoroughly.
- 7) Maintain constant agitation during application.
- 8) After dispensing **Poast + Galaxy** from the **Prodigy System**, spray within 48 hours.

#### Duplex® II System Operating Procedure

- 1) Fill tank of a thoroughly clean sprayer one half to two-thirds full with clean water. Start agitation.
- 2) Add nitrogen fertilizer.
- 3) Add tank mix partner if applicable. Allow to mix thoroughly.
- 4) Add **Galaxy** to the spray tank. Allow to mix thoroughly.
- 5) Add **Poast**. Allow to mix thoroughly. Do not attempt to pour the contents of the **Duplex II** container system (**Galaxy** and **Poast**) into the tank simultaneously or poor mixing will result.
- 6) Add crop oil concentrate and the remaining volume of water. Allow to mix thoroughly.
- 7) Maintain constant agitation during application.
- 8) After dispensing **Galaxy** and **Poast** from the **Duplex II System** into the spray tank, spray within 48 hours.

#### Timing of Applications

Apply **Galaxy** at 2 pints per acre plus **Poast** at 1.5 pints per acre or **Poast + Galaxy** at 3.5 pints per acre before weeds reach the maximum size listed in **Table 1**.

Soybeans generally should be in the first to third trifoliolate stage. Early application to weeds results in the most beneficial effect on weed control and makes it easier to obtain thorough coverage. Delay in application which permits weeds to exceed the maximum size stated could result in inadequate control.

#### Cultivation Information

Do not cultivate within 5 days before applying **Poast + Galaxy** or 7 days after application. A timely cultivation after 7 days may help provide season-long control.

#### Water Volume and Spray Pressure

**Ground Application:** Use a minimum of 10 gallons of water per broadcast acre at 60 psi (measured at the boom, not at the pump or in the line) to ensure adequate spray coverage. When crop and weed foliage is dense, use up to 20 gallons of water at 40-60 psi. Use standard high-pressure hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood or whirl chamber nozzles. Brass nozzles are not recommended because of the corrosive effects of nitrogen additives. At lower volumes (e.g., 10 gallons of spray volume per acre) use a minimum nozzle size of 8002 or equivalent to minimize spray drift.

**Air Application:** Use a minimum of 5 gallons of water per acre and a maximum of 40 psi pressure. To obtain uniform coverage and to avoid drift hazards, the following application equipment and practices should be used:

**Nozzle type:** Use only diaphragm-type nozzles producing cone or fan spray patterns.

**Nozzle height:** Maximum of 10 feet above the 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. Nozzles must be located no farther than  $\frac{3}{4}$  the distance from the center of the aircraft to the end of the wing or rotor.

Do not apply by aircraft within 200 feet upwind of ornamental or sensitive nontarget crops such as corn, cotton, small grains, sugar beets, or sunflowers.

Application must follow the most restrictive use cautions to avoid drift hazard and must follow labeling as well as applicable state and local regulations and ordinances.

#### Spray Additives:

The base rate for additives with **Poast + Galaxy** is 1-2 pints of oil concentrate per acre. However, if velvetleaf is a target species, use 0.5-1 pint of oil concentrate plus 1-2 quarts of UAN per acre (maximum). One pound of ammonium sulfate can be substituted for 1 quart of UAN.

#### Temperature and Relative Humidity Effects

The following standard will help determine the optimum adjuvant rate to use. If the temperature and relative humidity exceed 150 (e.g., temperature of 85° F plus 70% relative humidity = 155), use the lower adjuvant rates. The oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar test, and
- prove beneficial in local experience

#### Nitrogen Solution

UAN solution is commonly referred to as 28%, 30%, or 32% nitrogen, and is a water solution of urea and ammonium nitrate. Because most nitrogen solutions are corrosive to galvanized steel and brass spray equipment, rinse the entire spray system with water after use.

#### Note about ammonium sulfate:

Use high-quality ammonium sulfate (AMS) to avoid plugging of spray nozzles. The AMS must be readily soluble in water and contain no insoluble materials. Local sources of high-quality, spray-grade AMS are recommended. Low-quality AMS may contain material that will not readily dissolve which could result in nozzle tip plugging. To determine quality, perform a jar test adding  $\frac{1}{3}$  cup of AMS to 1 gallon of water and agitate for 1 minute. If any undissolved sediment is observed, predissolve the AMS in water and filter it before adding the AMS to the spray tank. If AMS can be added directly to the spray tank, add it slowly with agitation. Adding AMS too quickly may clog outlet lines. Ensure that the AMS is completely dissolved in the spray tank before adding other products.

AMS is not recommended for aerial applications because of potential precipitation problems.

With the addition of oil concentrate and UAN to **Poast® + Galaxy® herbicides** on soybeans, some leaf burn may occur, but generally 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 for information concerning successful local experience prior to purchasing any oil concentrate.

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Poast + Galaxy** with pesticides (fungicides, herbicides, insecticides, or miticides), additives or fertilizers. Local agricultural authorities may be a source of information when using combinations other than those recommended by BASF.

**Restrictions and Limitations**

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

Do not use treated plants for feed or forage.

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

Do not apply this tank mix within 75 days of harvest.

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

Do not apply to soybeans 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.

Root crops (such as carrots, turnips, sweet potatoes, etc.) must not be planted in a field treated with **Poast + Galaxy** for 18 months after treatment.

Rainfall immediately following application may reduce control.

An additional 2.5 pints of **Basagran® herbicide** may be applied following a single application of **Poast + Galaxy**.

An additional 3.5 pints of **Poast Plus® herbicide** may be applied following a single application of **Poast + Galaxy**.

An additional 1.3 pints of **Blazer** may be applied following a single application of **Poast + Galaxy**.

**Tank Mixes**

• **Poast + Galaxy + Blazer**

A tank mix of **Poast + Galaxy** plus **Blazer® herbicide** is recommended for additional or improved control of black nightshade, common ragweed, morningglories, pigweed, and waterhemp (common and tall).

**Rate:** Use 3.5 pints of **Poast + Galaxy** mixed with up to 6 ounces of **Blazer** for each acre to be treated.

• **Poast + Galaxy + Classic**

A tank mix of **Poast + Galaxy** plus **Classic® herbicide** is recommended for the additional or improved control of wild sunflower.

**Rate:** Use 3.5 pints of **Poast + Galaxy** mixed with up to 0.5 ounce (1/2 ounce) of **Classic** per acre.

• **Poast + Galaxy + Concert**

A tank mix of **Poast + Galaxy** plus **Concert® herbicide** is recommended for the additional or improved control of pigweed, lamb-quarters, velvetleaf, and wild sunflower.

**Rate:** Use 3.5 pints of **Poast + Galaxy** mixed with up to 0.25 ounce (1/4 ounce) of **Concert** per acre.

• **Poast + Galaxy + Pinnacle**

A tank mix of **Poast + Galaxy** plus **Pinnacle® herbicide** is recommended for additional or improved control of pigweed, lambsquarters, and velvetleaf.

**Rate:** Use 3.5 pints of **Poast + Galaxy** mixed with up to 0.125 ounce (1/8 ounce) of **Pinnacle** for each acre to be treated.

• **Poast + Galaxy + Resource**

A tank mix of **Poast + Galaxy** plus **Resource® herbicide** is recommended for the additional or improved control of velvetleaf.

**Rate:** Use 3.5 pints of **Poast + Galaxy** mixed with up to 4 ounces of **Resource** per acre.

**Spray Additives**

Adjuvants are needed with these tank mixes to achieve consistent postemergence weed control. The standard label recommendation is 1 pint (maximum) of oil concentrate per acre plus 1-2 quarts (maximum) of UAN per acre.

AMS can be substituted for UAN (1 pound of AMS equals 1 quart of UAN).

**Note:** When using a tank mix of **Poast + Galaxy + Resource**, use only 1-2 pints of crop oil concentrate per acre.

**Restrictions and Limitations (partial list)**

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

Do not apply these tank mixes to soybeans that have been subjected to stress conditions such as drought, flooding, frost or hail damage, high temperature stress or wilt, injury from herbicides or excess fertilizer or soil salts, wind injury, widely fluctuating temperatures, stress symptoms from disease, nematodes or insects, or cold temperatures when maximum daily temperature is below 70° F or soil temperature is below 60° F because weeds will not be actively growing and control may be reduced.

Do not use treated plants for feed or forage.

Do not apply these tank mixes through any type of irrigation system.

Avoid drift to all other crops and non-target areas.

Follow rotational restrictions as provided on each herbicide's respective labeling.

Thoroughly clean sprayer before and immediately after applying these tank mixes.

**Table 1. Maximum Weed Heights Controlled by Galaxy (2 pints per acre) Tank Mixed with Poast (1.5 pints per acre) with Crop Oil Concentrate (1.25% v/v).**

Weeds Controlled	Maximum Height	Additive Rate Per Acre
Anoda, Spurred	3"	1-2 pints of oil concentrate.
Beggarticks	6"	
Buckwheat, Wild	3"	or
Canada Thistle <sup>1,2</sup>	bud stage	
Cocklebur <sup>1</sup>	6"	1 pint (maximum) of oil concentrate plus
Dayflower	4"	
Devilsclaw <sup>2</sup>	3"	1-2 quarts (maximum) of UAN <sup>7</sup>
Galinsoga <sup>2</sup>	2"	
Jimsonweed	6"	1-2 quarts (maximum) of UAN <sup>7</sup>
Ladysthumb	6"	
Lambsquarters, Common <sup>2</sup>	2"	1-2 quarts (maximum) of UAN <sup>7</sup>
Mallow, Venice	4"	
Morningglories <sup>2</sup>	2"	1-2 quarts (maximum) of UAN <sup>7</sup>
Mustard, Wild	4"	
Nightshade, Black	<2"	1-2 quarts (maximum) of UAN <sup>7</sup>
Nutsedge, Yellow <sup>2</sup>	6-8"	
Pigweed, Redroot	2"	1-2 quarts (maximum) of UAN <sup>7</sup>
Smooth	2"	
Poinsettia, Wild	4"	1-2 quarts (maximum) of UAN <sup>7</sup>
Purslane, Common	1"	
Ragweed, Common	3"	1-2 quarts (maximum) of UAN <sup>7</sup>
Giant	6"	
Redweed	6"	1-2 quarts (maximum) of UAN <sup>7</sup>
Shepherdspurse <sup>2</sup>	4"	
Sida, Prickly (Teaweed)	3"	1-2 quarts (maximum) of UAN <sup>7</sup>
Smartweed, Pennsylvania	6"	
Starbur, Bristly	2"	1-2 quarts (maximum) of UAN <sup>7</sup>
Sunflower, Wild <sup>2</sup>	5"	
Velvetleaf <sup>6</sup>	5"	1-2 quarts (maximum) of UAN <sup>7</sup>
Waterhemp, Common	2"	
Tall	2"	
<b>Grasses Controlled</b>		
Annual Ryegrass	4"	
Barnyardgrass	4"	
Broadleaf Signalgrass	4"	
Crabgrass, Large	2"	
Smooth	2"	
Foxtail, Giant	6"	
Green	6"	
Yellow	6"	
Goosegrass	4"	
Johnsongrass, Seedling	4"	
Jungle rice	4"	
Panicum, Browntop	4"	
Fall	4"	
Texas	4"	
Sprangletop, Red	4"	
Shattercane <sup>5</sup>	4"	
Volunteer Corn <sup>5,8</sup>	12"	
Wild Proso Millet	4"	
Witchgrass	4"	
Woolly Cupgrass	4"	

<sup>1</sup> Do not treat earlier than leaf stage shown and do not count cotyledon leaves.  
<sup>2</sup> For regrowth or new germination, a follow-up application of **Basagran**<sup>®</sup> herbicide may be necessary (see label for **Basagran**).  
<sup>3</sup> For regrowth or new germination, a follow-up application of **Blazer**<sup>®</sup> herbicide may be necessary (see label for **Blazer**).  
<sup>4</sup> Do not treat rosette before seed stalk appears.  
<sup>5</sup> For regrowth or new germination, a follow-up application of **Poast Plus**<sup>®</sup> herbicide may be necessary (see label for **Poast Plus**).  
<sup>6</sup> Use a dual additive combination for weed infestations that include velvetleaf.  
<sup>7</sup> AMS can be substituted at 1-2 pounds per acre.  
<sup>8</sup> Volunteer corn must be non-SR<sup>™</sup> sethoxydim-resistant field corn. **Poast + Galaxy** and **Poast Plus** will not control volunteer SR field corn.

**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 signed only by agreement in writing signed by a duly authorized representative of BASF.

*Basagran is a registered trademark of BASF AG.  
 Prodigy and SR are trademarks and Blazer, Duplex, and Poast Plus are registered trademarks of BASF Corporation.  
 Classic, Concert, and Pinnacle are registered trademarks of E.I. DuPont de Nemours and Company.  
 Resource is a registered trademark of Valent USA Corporation.  
 Patent pending on Duplex II container.  
 The Prodigy tank and manifold are covered by U.S. Patent 5,465,874 and other pending patent applications.*

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 NVA 98-4-17-0008

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



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**BASF**

RT 1-22-98

**ACCEPTED**

MAR 3 1998

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 7969-77

# Manifest<sup>®</sup> B

## herbicide

### Postemergence Herbicide

For broad spectrum weed control in soybeans

A soluble liquid formulation containing:

**Active ingredients\***

Sodium salt of bentazon: ..... 33.4%  
Sodium salt of acifluorfen: ..... 6.8%

**Inert ingredients:** ..... 59.8%

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

\*Equivalent to 3.00 pounds per gallon bentazon: (3-(isopropyl)-1H-2,1,3-benzothiadiazin-4-(3H)-one-2,2-dioxide) and 0.67 pounds per gallon of sodium acifluorfen, sodium (5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate).

EPA Reg. No. 7969-77

**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).

**Statement of Practical Treatment**

**If in eyes:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**If on skin:** Wash with plenty of soap and water. Get medical attention.

**If swallowed:** Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol.

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

See inside 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** for information about this standard.

**Net contents:**

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 or on clothing. Avoid contact with skin. Harmful if swallowed or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### Personal Protective Equipment (PPE)

**Applicators and other handlers must wear:**

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### Engineering Controls Statement

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### User Safety Recommendations Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### Environmental Hazards

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area.

### Groundwater Advisory

Bentazon and acifluorfen are present in this product. These chemicals are known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this product in areas where soils are permeable, such as sand and soils with loamy sand textures, particularly where water tables are shallow could result in contamination of groundwater. The utilization of irrigated water in these areas will increase the likelihood of contamination.

### Directions For Use — Tank Mix of Manifest® B and Manifest® G Herbicides

(Hereafter referred to as Manifest) 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.

**Manifest B must be used in combination with Manifest G.**

### 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.

### Storage and disposal

Keep from freezing. Store above 40°F. Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely haz-

### Agricultural Use Requirements (continued)

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 over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate or viton  $\geq$  14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

ardous. 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 Duplex® II 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. **Prodigy™ System** must be returned to the point of purchase for cleaning and refilling.

### In case of emergency

In case of large-scale spillage regarding this product, call:  
CHEMTREC 800-424-9300  
BASF Corporation 800-832-HELP

In case of medical emergency regarding this product, call:

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

### Steps to be taken in case material is released or spilled.

Dike and contain spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing and wash affected skin areas with water. Wash clothing, before re-use. Keep spill out of all sewers and open bodies of water.

### General Information

**Manifest® herbicide** is intended for early postemergence control of a wide spectrum of broadleaf weeds and grasses in soybeans. **Manifest** is effective through contact and systemic action; therefore, weeds must be thoroughly covered with spray. Large crop- and weed-leaf canopies shelter smaller weeds and prevent adequate spray coverage. **Manifest** may cause soybean leaf-speckling and leaf-bronzing under certain conditions. Soybeans are tolerant and generally outgrow these conditions in 7-10 days.

### Prodigy™ System

**Manifest** is supplied in the **Prodigy System**, a unique, 120-gallon mini-bulk closed delivery system. It consists of a self-discharging tank that does not require any pumping mechanism, and has a dry lock connector which protects the user from exposure to tank contents. Do not refill **Prodigy System**. Return **Prodigy System** to BASF for cleaning and refilling.

**Manifest** in a dedicated, returnable **Prodigy System** can only be used with the closed **Prodigy System** in which it comes packaged.

The **Prodigy System**, when operated according to directions, will discharge **Manifest B** and **G** in a 1:0.75 ratio. See **Prodigy System Operating Procedure**

### Duplex® II System

**Manifest** is provided in a molded jug pack that contains enough **Manifest B** and **Manifest G** to treat 5 acres.

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.

### Prodigy™ System Operating Procedure

**Attention!** The **Prodigy System** is a pressurized delivery system. Do not attempt to open the container. Transfer product only by following these steps:

1. Install a male dry lock connector to the spray tank.
2. Uncoil the hose from the rack and connect the female dry lock connector (at the end of the hose attached to the tank) with the male dry lock connector installed on the spray tank.
3. Turn on the nitrogen gas supply.
4. Push down on the activation handle in the front near the meter until the handle is locked in the

lower position allowing the manifold to fill with product and become pressurized.

- Some tanks do not have a handle; move on to the next step.
5. Turn the meter on by pressing the "ON/TOTAL" button.
  6. Press "RESET" button to set current total to "0.00" if desired.
  7. Turn the yellow product delivery valve counterclockwise (to horizontal) until the desired amount of product, as indicated on the measuring meter, has been discharged into the spray tank.
  8. Turn the yellow product delivery valve clockwise (to vertical) to stop the discharge of product into your spray tank.
  9. Lift the activation handle to the unlocked position (in front near the meter) to stop liquid and pressurization from flowing into the manifold. Some tanks do not have a handle; move on to the next step.
  10. Turn off the nitrogen gas valve when the **Prodigy System** is not in use.
  11. Hose draining: Starting at the yellow handle on the **Prodigy Tank**, grasp the hose and walk toward the receiving tank holding the hose level or higher than the dry lock connection allowing all of the product to drain out of the hose.
  12. Disconnect the female dry lock connector on the tank hose from the male dry lock connector on the spray tank.
  13. Recoil the hose onto the hose rack.
  14. Be sure to turn off the nitrogen gas valve on the nitrogen cylinder when the **Prodigy System** operation is completed, or when the tank is empty, or when the tank is ready to be returned to the point of purchase.

Leave all product and bar code labels in place. Product labels must remain in place to comply with Department of Transportation regulations.

### Return Container Promptly to Distributor

The **Prodigy System** containers are tracked with bar codes and serial numbers. Distributors are responsible for the containers assigned to them.

Return this container to the distributor from which it was

purchased. Notify the distributor if the container cannot be returned by a specific time.

The distributor is responsible for returning the container to BASF. The distributor will be charged for any container not returned within 30 days.

### Prodigy Mixing

- 1) Fill tank of a thoroughly clean sprayer one half to two-thirds full with clean water. Start agitation.
- 2) Add nitrogen fertilizer.
- 3) Add tank mix partner if applicable. Allow to mix thoroughly.
- 4) Add **Manifest**. Allow to mix thoroughly.
- 5) Add crop oil concentrate and remaining volume of water.
- 6) Allow to mix thoroughly.
- 7) Maintain constant agitation during application.
- 8) After dispensing **Manifest** from the **Prodigy System**, spray within 48 hours.

### Duplex II System Operating Procedure

- 1) Fill tank of a thoroughly clean sprayer one half to two-thirds full with clean water. Start agitation.
- 2) Add nitrogen fertilizer.
- 3) Add tank mix partner if applicable. Allow to mix thoroughly.
- 4) Add **Manifest B** to the spray tank. Allow to mix thoroughly.
- 5) Add **Manifest G**. Allow to mix thoroughly. Do not attempt to pour the contents of the **Duplex II** container system (**Manifest B** and **Manifest G**) into the tank simultaneously or poor mixing will result.
- 6) Add crop oil concentrate and the remaining volume of water. Allow to mix thoroughly.
- 7) Maintain constant agitation during application.
- 8) After dispensing **Manifest B** and **Manifest G** from the **Duplex II System** into the spray tank, spray within 48 hours.

**Table 1. Maximum Weed Heights Controlled by Manifest B + Manifest G (2 pints of Manifest B per acre + 1.5 pints of Manifest G per acre) or Manifest (3.5 pints per acre)**

Weeds Controlled	Maximum Height	Additive Rate Per Acre
Anoda, Spurred	3"	1-2 pints of oil concentrate
Beggarticks	6"	
Buckwheat, Wild	3"	or
Canada Thistle <sup>1,2</sup>	bud stage	
Cocklebur <sup>1</sup>	6"	1 pint (maximum)
Dayflower	4"	
Devilsclaw <sup>2</sup>	3"	of oil concentrate plus
Galinsoga <sup>2</sup>	2"	
Jimsonweed	6"	1-2 quarts (maximum) of UAN <sup>7</sup>
Ladysthumb	6"	
Lambsquarters, Common <sup>2</sup>	2"	
Mallow, Venice	4"	
Morningglories <sup>3</sup>	2"	
Mustard, Wild	4"	
Nightshade, Black	<2"	
Nutsedge, Yellow <sup>2</sup>	6-8"	
Pigweed, Redroot	2"	
Smooth	2"	
Poinsettia, Wild	4"	
Purslane, Common	1"	
Ragweed, Common	3"	
Giant	6"	
Redweed	6"	
Shepherdspurse <sup>2</sup>	4"	
Sida, Prickly (Teaweed)	3"	
Smartweed, Pennsylvania	6"	
Starbur, Bristly	2"	
Sunflower, Wild <sup>2</sup>	5"	
Velvetleaf <sup>8</sup>	5"	
Waterhemp, Common	2"	
Tall	2"	
<b>Grasses Controlled</b>		
Annual Ryegrass	4"	
Barnyardgrass	4"	
Broadleaf Signalgrass	4"	
Crabgrass, Large	2"	
Smooth	2"	
Foxtail, Giant	6"	
Green	6"	
Yellow	6"	
Goosegrass	4"	
Johnsongrass, Seedling	4"	
Jungle rice	4"	
Panicum, Browntop	4"	
Fall	4"	
Texas	4"	
Sprangletop, Red	4"	
Shattercane <sup>5</sup>	4"	
Volunteer Corn <sup>5,8</sup>	12"	
Wild Proso Millet	4"	
Witchgrass	4"	
Woolly Cupgrass	4"	

<sup>1</sup> Do not treat earlier than leaf stage shown and do not count cotyledon leaves.  
<sup>2</sup> For regrowth or new germination, a follow-up application of **Basagran**<sup>®</sup> herbicide may be necessary (see label for **Basagran**).  
<sup>3</sup> For regrowth or new germination, a follow-up application of **Blazer**<sup>®</sup> herbicide may be necessary (see label for **Blazer**).  
<sup>4</sup> Do not treat rosette before seed stalk appears.  
<sup>5</sup> For regrowth or new germination, a follow-up application of **Poast Plus**<sup>®</sup> herbicide may be necessary (see label for **Poast Plus**).  
<sup>6</sup> Use a dual additive combination for weed infestations that include velvetleaf.  
<sup>7</sup> AMS can be substituted at 1-2 pounds per acre.  
<sup>8</sup> Volunteer corn must be non-SR<sup>™</sup> sethoxydim-resistant field corn. **Manifest** and **Poast Plus** will not control volunteer SR field corn.

**Timing Applications**

Apply **Manifest**<sup>®</sup> B herbicide at 2 pints per acre plus **Manifest**<sup>®</sup> G herbicide at 1.5 pints per acre or **Manifest** at 3.5 pints per acre before weeds reach the maximum size listed in **Table 1**. Soybeans generally should be in the first to third trifoliate stage. Early application to weeds results in the most beneficial effect on weed control and makes it easier to obtain thorough coverage. Delay in application which permits weeds to exceed the maximum size stated could result in inadequate control.

**Cultivation Information**

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

**Water Volume and Spray Pressure**

**Ground Application:** Use a minimum of 10 gallons of water per broadcast acre at 60 psi (measured at the boom, not at the pump or in the line) to ensure adequate spray coverage. When crop and weed foliage is dense, use up to 20 gallons of water at 40-60 psi. Use standard high-pressure hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood or whirl chamber nozzles. Brass nozzles are not recommended because of the corrosive effects of nitrogen additives. At lower volumes (e.g., 10 gallons of spray volume per acre) use a minimum nozzle size of 8002 or equivalent to minimize spray drift.

**Air Application:** Use a minimum of 5 gallons of water per acre and a maximum of 40 psi pressure. To obtain uniform coverage and to avoid drift hazards, the following application equipment and practices should be used:

**Nozzle type:** Use only diaphragm-type nozzles producing cone or fan spray patterns.

**Nozzle height:** Maximum of 10 feet above the 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. Nozzles must be located no farther than ¼ the distance from the center of the aircraft to the end of the wing or rotor.



Do not apply by aircraft within 200 feet upwind of ornamental or sensitive nontarget crops such as corn, cotton, small grains, sugar beets, or sunflowers.

Applicator must follow the most restrictive use cautions to avoid drift hazard and must follow labeling as well as applicable state and local regulations and ordinances.

#### **Spray Additives:**

The base rate for additives with **Manifest® herbicide** is 1-2 pints of oil concentrate per acre. However, if velvetleaf is a target species, use 0.5-1 pint of oil concentrate plus 1-2 quarts of UAN per acre (maximum). One pound of ammonium sulfate can be substituted for 1 quart of UAN.

#### **Temperature and Relative Humidity Effects**

The following standard will help determine the optimum adjuvant rate to use. If the temperature and relative humidity exceed 150 (e.g., temperature of 85° F plus 70% relative humidity = 155), use the lower adjuvant rates. The oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the jar test, and
- prove beneficial in local experience

#### **Nitrogen Solution**

UAN solution is commonly referred to as 28%, 30%, or 32% nitrogen, and is a water solution of urea and ammonium nitrate. Because most nitrogen solutions are corrosive to galvanized steel and brass spray equipment, rinse the entire spray system with water after use.

#### **Note about ammonium sulfate.**

Use high-quality ammonium sulfate (AMS) to avoid plugging of spray nozzles. The AMS must be readily soluble in water and contain no insoluble materials. Local sources of high-quality, spray-grade AMS are recommended. Low-quality AMS may contain material that will not readily dissolve which could result in nozzle tip plugging. To determine quality, perform a jar test adding 1/3 cup of AMS to 1 gallon of water and agitate for 1 minute.

If any undissolved sediment is observed, pre-dissolve the AMS in water and filter it before adding the AMS to the spray tank. If AMS can be added directly to the spray tank, add it slowly with agitation. Adding AMS too quickly may clog outlet lines. Ensure that the AMS is completely dissolved in the spray tank before adding other products. AMS is not recommended for aerial applications because of potential precipitation problems.

With the addition of oil concentrate and UAN to **Manifest** on soybeans, some leaf burn may occur, but generally 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 for information concerning successful local experience prior to purchasing any oil concentrate.

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Manifest** with pesticides (fungicides, herbicides, insecticides, or miticides), additives or fertilizers. Local agricultural authorities may be a source of information when using combinations other than those recommended by BASF.

#### **Restrictions and Limitations**

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

Do not use treated plants for feed or forage.

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

Do not apply this tank mix within 75 days of harvest.

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

Do not apply to soybeans 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.

Root crops (such as carrots, turnips, sweet potatoes, etc.) must not be planted in a field treated with **Manifest** for 18 months after treatment.

Rainfall immediately following application may reduce control.

An additional 2.5 pints of **Basagran** may be applied following a single application of **Manifest**.

An additional 3.5 pints of **Poast Plus® herbicide** may be applied following a single application of **Manifest**.

An additional 1.3 pints of **Blazer** may be applied following a single application of **Manifest**.



**Tank Mixes**

• **Manifest + Blazer**

A tank mix of **Manifest**® herbicide plus **Blazer**® herbicide is recommended for additional or improved control of black nightshade, common ragweed, morningglories, pigweed, and waterhemp (common and tall).

**Rate:** Use 3.5 pints of **Manifest** mixed with up to 6 ounces of **Blazer** for each acre to be treated.

• **Manifest + Classic**

A tank mix of **Manifest** plus **Classic**® herbicide is recommended for the additional or improved control of wild sunflower.

**Rate:** Use 3.5 pints of **Manifest** mixed with up to 0.5 ounce (1/2 ounce) of **Classic** per acre.

• **Manifest + Concert**

A tank mix of **Manifest** plus **Concert**® herbicide is recommended for the additional or improved control of pigweed, lambsquarters, velvetleaf, and wild sunflower.

**Rate:** Use 3.5 pints of **Manifest** mixed with up to 0.25 ounce (1/4 ounce) of **Concert** per acre.

• **Manifest + Pinnacle**

A tank mix of **Manifest** plus **Pinnacle**® herbicide is recommended for additional or improved control of pigweed, lambsquarters, and velvetleaf.

**Rate:** Use 3.5 pints of **Manifest** mixed with up to 0.125 ounce (1/8 ounce) of **Pinnacle** for each acre to be treated.

• **Manifest + Resource**

A tank mix of **Manifest** plus **Resource**® herbicide is recommended for the additional or improved control of velvetleaf.

**Rate:** Use 3.5 pints of **Manifest** mixed with up to 4 ounces of **Resource** per acre.

**Spray Additives**

Adjuvants are needed with these tank mixes to achieve consistent postemergence weed control. The standard label recommendation is 1 pint (maximum) of oil concentrate per acre plus 1-2 quarts (maximum) of UAN per acre.

AMS can be substituted for UAN (1 pound of AMS equals 1 quart of UAN).

**Note:** When using a tank mix of **Manifest + Resource**, use only 1-2 pints of crop oil concentrate per acre.

**Restrictions and Limitations (partial list)**

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

Do not apply these tank mixes to soybeans that have been subjected to stress conditions such as drought, flooding, frost or hail damage, high temperature stress or wilt, injury from herbicides or excess fertilizer or soil salts, wind injury, widely fluctuating temperatures, stress symptoms from disease, nematodes or insects, or cold temperatures when maximum daily temperature is below 70° F or soil temperature is below 60° F because weeds will not be actively growing and control may be reduced.

Do not use treated plants for feed or forage.

Do not apply these tank mixes through any type of irrigation system.

Avoid drift to all other crops and non-target areas.

Follow rotational restrictions as provided on each herbicide's respective labeling.

Thoroughly clean sprayer before and immediately after applying these tank mixes.

**Appendix**

The following are scientific names for the weeds listed in this label.

**Broadleaf Weeds**

Common Name	Scientific Name
Anoda, Spurred	<i>Anoda cristata</i>
Beggarticks	<i>Bidens frondosa</i>
Buckwheat, Wild	<i>Polygonum convolvulus</i>
Butterprint (see Velvetleaf)	<i>Abutilon theophrasti</i>
Buttonweed (see Velvetleaf)	<i>Abutilon theophrasti</i>
Cocklebur	<i>Xanthium strumarium</i>
Dayflower	<i>Commelina</i> spp.
Devilsclaw	<i>Proboscidea louisianica</i>
Galinsoga	<i>Galinsoga</i> spp.
Jimsonweed	<i>Datura stramonium</i>
Ladythumb	<i>Polygonum persicaria</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Mallow, Venice	<i>Hibiscus trionum</i>
Morningglory, Common (tall)	<i>Ipomoea purpurea</i>
, Cypressvine	<i>Ipomoea quamoclit</i>
Morningglory, Entireleaf	<i>Ipomoea hederacea</i>
, Ivyleaf	<i>Ipomoea hederacea</i>
, Palmleaf	<i>Ipomoea wrightii</i>
, Pitted	<i>Ipomoea lacunosa</i>
, Purple Moonflower	<i>Ipomoea muricata</i>
, Smallflower	<i>Jacquemontia tamnifolia</i>
Mustard, Wild	<i>Sinapsis arvensis</i>
Nightshade, Black	<i>Solanum nigrum</i>
Pigweed, Redroot	<i>Amaranthus retroflexus</i>
, Smooth	<i>Amaranthus hybridis</i>
Poinsettia, Wild	<i>Euphorbia heterophylla</i>
Purslane, Common	<i>Portulaca oleracea</i>
Ragweed, Common	<i>Ambrosia artemisiifolia</i>
, Giant	<i>Ambrosia trifida</i>
Redweed	<i>Melochia corchorifolia</i>
Shepherdspurse	<i>Capsella bursa-pastoris</i>
Sida, Prickly or Teaweed	<i>Sida spinosa</i>
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
Starbur, Bristly	<i>Acanthospermum hispidum</i>
Sunflower, Wild	<i>Helianthus annuus</i>
Thistle, Canada	<i>Cirsium arvense</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Waterhemp, Common	<i>Amaranthus rudis</i>
, Tall	<i>Amaranthus tuberculatus</i>

**Sedges**

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

**Grasses**

Common Name	Scientific Name
Barnyardgrass	<i>Echinochloa crus-galli</i>
Bermudagrass	<i>Cynodon dactylon</i>
Brome, Downy	<i>Bromus tectorum</i>
Crabgrass, Large	<i>Digitaria sanguinalis</i>
, Smooth	<i>Digitaria ischaemum</i>
Cupgrass, Woolly	<i>Eriochloa villosa</i>
Foxtail, Giant	<i>Setaria faberi</i>
, Green	<i>Setaria viridis</i>
, Yellow	<i>Setaria glauca</i>
Goosegrass	<i>Eleusine indica</i>
Itchgrass	<i>Rottboellia exaltata</i>
Johnsongrass	<i>Sorghum halepense</i>
Junglerice	<i>Echinochloa colonum</i>
Millet, Wild Proso	<i>Panicum miliaceum</i>
Pigeongrass (See Foxtail)	
Panicum, Browntop	<i>Panicum fasciculatu</i>
, Fall	<i>Panicum dichotomiflorum</i>
, Texas	<i>Panicum texanum</i>
Ryegrass, Annual	<i>Lolium multiflorum</i>
Shattercane/Wildcane	<i>Sorghum bicolor</i>
Signalgrass, Broadleaf	<i>Brachiaria platyphylla</i>
Sprangletop, Red	<i>Leptochloa filiformis</i>
Watergrass (See Barnyardgrass)	
Witchgrass	<i>Panicum capillare</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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*Patent pending on Duplex II container.*  
*The Prodigy tank and manifold are covered by U.S. Patent 5,465,874 and other pending patent applications.*

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