

FEB 28 1996

Dr. T.R. Nelsen  
BASF Corporation  
P.O. Box 13528  
Research Triangle Park, NC 27709

Dear Dr. Nelsen:

Subject: Tank Mix with Galaxy Herbicide in Duplex II and  
Prodigy Systems  
Poast Herbicide & Manifest G Herbicide  
EPA Reg. No. 7969-58  
Your submission dated Nov. 30, 1995

The labeling referred to above, submitted in connection  
with registration under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, is acceptable and a stamped  
copy is enclosed for your records.

Sincerely yours,

Robert J. Taylor  
Product Manager 25  
Fungicide-Herbicide Branch  
Registration Division (87505C)

Enclosure

**BEST AVAILABLE COPY**

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

10810

**BASF**

RT 11-29-95  
Copy 3

ACCEPTED  
~~with COMMENTS~~  
In EPA Letter Dated

FEB 28 1996  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

7969-58

# Manifest™ G

## herbicide

### Postemergence Herbicide

For broad spectrum weed control in soybeans

A soluble liquid formulation containing:

**Active Ingredient:**

2-[1-(ethoxymino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one\* .....18.0%

**Inert Ingredients:** .....82.0%

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

\*Equivalent to 1.5 pounds sethoxydim per gallon

EPA Reg. No. 7969-58

### KEEP OUT OF REACH OF CHILDREN. WARNING/AVISO

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

**Statement of Practical Treatment**

**If in eyes:** Immediately wash eyes with running water for 15 minutes. If irritation develops, consult a physician.

**If on skin:** Wash affected areas with soap and water. If irritation develops, consult a physician.

**If swallowed:** DO NOT INDUCE VOMITING. Dilute with water and get immediate medical attention. Never give fluids or induce vomiting if the victim is unconscious or having convulsions.

**If inhaled:** Move to fresh air. Aid in breathing, if necessary and get immediate medical attention.

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: 0.9375 gallons**

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

2

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

Causes substantial but temporary eye injury. Do not get into eyes or on clothing. Harmful if swallowed.

### Personal Protective Equipment

Some materials that are chemically resistant to this product are listed below. If you want more options, follow the instructions for category **G** on an EPA chemical resistance category selection chart.

#### Applicators and other handlers must wear:

- 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
- Chemical-resistant apron when cleaning equipment, mixing, and loading

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

This product is toxic to aquatic organisms.

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.

### Endangered Species Concerns

The use of any pesticide in a manner that may kill or otherwise harm an endangered or threatened species or adversely modify their habitat is a violation of federal law.

### 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.

### 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 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection

### Agricultural Use Requirements (cont.)

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

### 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.

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™** 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

- 1) Install a male dry lock connector to the spray tank.
- 2) Connect the female dry lock connector (at the end of the hose attached to the **Prodigy System**) with the male dry lock connector installed on the spray tank.
- 3) Turn on the nitrogen gas supply.
- 4) Set measuring meter to zero.
- 5) Turn on the **Prodigy System** manifold until the desired amount of product, as indicated on the measuring meter, has been discharged into the spray tank.
- 6) Turn off the **Prodigy System** manifold to stop the discharge of product into the sprayer tank.
- 7) Disconnect the female dry lock connector on the **Prodigy System** hose from the male dry

lock connector on the spray tank.

- 8) Turn off the nitrogen gas supply when the **Prodigy System** is empty, operation is completed or tank is ready to be returned to the point of purchase.

### Prodigy Mixing

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

### Duplex™ II System Operating Procedure

#### Duplex™ II Mixing

- 1) Fill tank of a thoroughly clean sprayer one half to two-thirds full with clean water. Start agitation.
- 2) Add nitrogen solution or silicone adjuvant.
- 3) Add tank mix partner (if applicable).
- 4) Add **Manifest B** to the spray tank, then add **Manifest G**. Finally, add the remaining volume of water to the spray tank. 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.
- 5) Allow to mix thoroughly.
- 6) Maintain constant agitation during application.
- 7) After dispensing **Manifest B** and **Manifest G** from the **Duplex II System** into the spray tank, spray within 48 hours.

### Timing of Applications

Apply **Manifest B** at 2 pints per acre plus **Manifest G** 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 before or during application is not recommended.

Cultivation at this time may cause inadequate control because weeds may be under stress. A timely cultivation 7-10 days after application may assist in weed control.

### Water Volume and Spray Pressure

**Ground Equipment:** Use a minimum of 10 gallons of water per broadcast acre and a maximum of 60 psi (measured at the boom, not at the pump or in the line). When crop and weed foliage is dense, use up to 20 gallons of water and a minimum of 40 psi pressure. 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.

### Aerial 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 crop.

**Nozzle Orientation:** Nozzles must be oriented so as 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 out than 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.

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 Additive:

A nonphytotoxic oil concentrate (commonly referred to as crop oil concentrate) is required to achieve consistent weed control.

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, and
- 4) prove beneficial in local experience

**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) with Crop Oil Concentrate (1.25% v/v).**

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

- <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 the rate of **Manifest** herbicide. 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 **Manifest**. A later application of **Blazer** herbicide may be necessary (see label for **Blazer**).
- <sup>d</sup> Do not treat rosette before seed stalk appears.

With the addition of oil concentrate 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.

#### Rate of Oil Concentrate

**Ground Application:** 1.25% v/v (2 pints per acre maximum)

#### Aerial Application

0.625% v/v (1 pint per acre maximum)

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**.

## 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>
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 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 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, Tall	<i>Amaranthus tuberculatus</i>

#### Sedges

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

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, Southwestern	<i>Eriochloa gracilis</i>
, Woolly	<i>Eriochloa villosa</i>
Fescue, Tall	<i>Festuca arundinacea</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>
Lovegrass (See Stinkgrass)	
Millet, Wild Proso	<i>Panicum miliaceum</i>
Muhly, Wirestem	<i>Muhlenbergia frondosa</i>
Oats, Tame	<i>Avena sativa</i>
, Wild	<i>Avena fatua</i>
Orchardgrass	<i>Dactylis glomerata</i>
Pigeongrass (See Foxtail)	
Panicum, Browntop	<i>Panicum fasciculatu</i>
, Fall	<i>Panicum dichotomiflorum</i>
, Texas	<i>Panicum texanum</i>
Quackgrass	<i>Agropyron repens</i>
Rescuegrass	<i>Bromus catharticus</i>
Red Rice	<i>Oryza sativa</i>
Ryegrass, Annual	<i>Lolium multiflorum</i>
, Perennial	<i>Lolium perenne</i>
Sandbur, Field	<i>Cenchrus incertus</i>
Shattercane/Wildcane	<i>Sorghum bicolor</i>
Signalgrass, Broadleaf	<i>Brachiaria platyphylla</i>
Sprangletop, Red	<i>Leptochloa filiformis</i>
Stinkgrass	<i>Eragrostis cilianensis</i>
Volunteer, Barley	<i>Hordeum vulgare</i>
, Corn	<i>Zea mays</i>
, Oats	<i>Avena sativa</i>
, Rye	<i>Secale Cereale</i>
, Wheat	<i>Triticum aestivum</i>
Watergrass (See Barnyardgrass)	
Wiregrass (See Bermudagrass)	
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.

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

*Basagran* is a registered trademark of BASF AG.

*Manifest*, *Prodigy*, and *Duplex* are trademarks, and *Blazer* and *Poast Plus* are registered trademarks of BASF Corporation.

Patent pending on Duplex II container.

©1995 BASF Corporation

NVA 0604/GL 4200 0252

ACCEPTED  
with ~~COMMENTS~~  
In EPA Letter Dated

FEB 28 1996

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

7969-58

# Poast<sup>®</sup>

herbicide

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

EPA Reg. No 7969-58

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.

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 Poast + Galaxy and in a 1:0.75 ratio. See Prodigy System Operating Procedure

### Duplex<sup>™</sup> 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<sup>™</sup> System Operating Procedure

- 1) Install a male dry lock connector to the spray tank.
- 2) Connect the female dry lock connector (at the end of the hose attached to the Prodigy System) with the male dry lock connector installed on the spray tank.
- 3) Turn on the nitrogen gas supply.
- 4) Set measuring meter to zero.
- 5) Turn on the Prodigy System manifold until the desired amount of product, as indicated on the measuring meter, has been discharged into the spray tank.
- 6) Turn off the Prodigy System manifold to stop the discharge of product into the sprayer tank.
- 7) Disconnect the female dry lock connector on the Prodigy

System hose from the male dry lock connector on the spray tank.

- 8) Turn off the nitrogen gas supply when the Prodigy System is empty, operation is completed or tank is ready to be returned to the point of purchase.

### Prodigy Mixing

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

### Duplex<sup>™</sup> II System Operating Procedure

#### Duplex<sup>™</sup> II Mixing

- 1) Fill tank of a thoroughly clean sprayer one half to two-thirds full with clean water. Start agitation.
- 2) Add nitrogen solution or silicone adjuvant.
- 3) Add tank mix partner (if applicable).
- 4) Add Galaxy to the spray tank, then add Poast. Finally, add the remaining volume of water to the spray tank.  
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.
- 5) Allow to mix thoroughly.
- 6) Maintain constant agitation during application.
- 7) After dispensing Galaxy and Poast from the Duplex II System into the spray tank, spray within 48 hours.



### Time and Rate of Application

Apply **Galaxy™** at 2 pints per acre plus **Poast®** herbicide at 1.5 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 before or during application is not recommended.

Cultivation at this time may cause inadequate control because weeds may be under stress. A timely cultivation 7-10 days after application may assist in weed control.

### Water Volume and Spray Pressure

**Ground Equipment:** Use a minimum of 10 gallons of water per broadcast acre and a maximum of 30 psi (measured at the boom, not at the pump or in the line). When crop and weed foliage is dense, use up to 20 gallons of water and a minimum of 40 psi pressure. 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.

### Aerial 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 crop.

**Nozzle Orientation:** Nozzles must be oriented so as 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 out 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.

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 Additive:

A nonphytotoxic oil concentrate (commonly referred to as crop oil concentrate) is required to achieve consistent weed control, especially grass control with **Poast**.

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, and
- 4) prove beneficial in local experience

With the addition of oil concentrate to **Galaxy** 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.

### Rate of Oil Concentrate

**Ground Application:** 1.25% v/v (2 pints per acre maximum)

### Aerial Application

0.625% v/v (1 pint per acre maximum)

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Poast** 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 **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®** herbicide may be applied following a single application of **Poast + Galaxy**.

**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 (inches)
Anoda, Spurred	3
Beggarticks	6
Buckwheat, Wild	3
Canada Thistle <sup>a,b</sup>	8 to bud stage
Cocklebur <sup>a</sup>	6
Dayflower	4
Devilsclaw <sup>a</sup>	3
Galinsoga <sup>b</sup>	2
Jimsonweed	6
Ladysthumb	6
Lambsquarters, Common <sup>c</sup>	2
Mallow, Venice	4
Morningglories <sup>c</sup>	2
Mustard, Wild	4
Nightshade, Black	<2
Nutsedge, Yellow <sup>a</sup>	6-8
Pigweed, Redroot	2
Smooth	2
Poinsettia, Wild	4
Purslane, Common	1
Ragweed, Common	3
Giant	6
Redweed	6
shepherdspurse <sup>d</sup>	4
Sida, Prickly (Teaweed)	3
Smartweed, Pennsylvania	6
Starbur, Bristly	2
Sunflower, Wild	5
Velvetleaf	5
Waterhemp, Tall	2
<b>Grasses Controlled</b>	
Annual Ryegrass	4
Barnyardgrass	4
Broadleaf Signalgrass	4
Foxtail, Giant	6
Green	6
Yellow	6
Goosegrass	4
Johnsongrass, Seedling	4
Panicum, Browntop	4
Fall	4
Texas	4
Millet, Wild Proso	4
Crabgrass, Large	4
Smooth	4
upgrass, Woolly	4
Sprangletop, Red	4
Jungle rice	4
Volunteer Corn	12
Witchgrass	4

<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 the rate of **Galaxy** herbicide. 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 insect before seed stalk appears.

## Conditions of Sale and Warranty

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

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

*Galaxy is a trademark and Poast and Basagran are registered trademarks of BASF AG.*

*Prodigy and Duplex are trademarks, and Blazer and Poast Plus are registered trademarks of BASF Corporation. Patent pending on Duplex II container.*

© 1995 BASF Corporation

NVA 0404/GE 4300 0167

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

# BASF