

PM 25 7969-77

1047

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number
240999

Application for Pesticide - Section I

1. Company/Product Number BASF; 7969-77	2. EPA Product Manager Mr. R. Taylor	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) MANIFEST B Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) BASF Corporation Agricultural Products PO Box 13528 Research Triangle Park, NC 27709-3528 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION APR 23 1976
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Change in container instructions

NOTIFICATION
APR 23 1976

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Metal (1) <input checked="" type="checkbox"/> Plastic (2) <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 120 gallon Prodigy system (1) 2.5 gallon Duplex system (2)		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Thomas R Nelsen	Title Manager, Regulatory Affairs	Telephone No. (include Area Code) 919 547-2174
2. Signature Thomas R Nelsen		6. Date Application Received (Stamped)
3. Title Manager, Regulatory Affairs		
4. Typed Name Thomas R Nelsen	5. Date 3/05/96	
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		

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.
7969-77

Manifest™ 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-benzothiazin-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: Flush with large amounts of water for at least 15 minutes. get medical attention.

If on skin: Wash with plenty of soap and water. Consult a physician if irritation persists.

If swallowed: Dilute by giving 2 glasses of water to drink and call a physician. Never give anything by mouth to an unconscious person.

Note to physician: Emesis is recommended.

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: 1.25 gallons

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

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Danger

Causes eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes. Avoid breathing vapor or spray mist and contact with skin or clothing. May cause allergic skin response.

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 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.

Residues or accumulations have been found in groundwater 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, and 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.

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

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.

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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

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 culti-

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 $\frac{3}{4}$ 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.

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 **Manifest** on soybeans, some leaf burn may occur, but generally all new growth is normal and crop vigor is not reduced. The potential

Table 1. Maximum Weed Heights Controlled by 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).

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Weeds Controlled	Maximum Height (inches)
Anoda, Spurred	3
Beggarticks	6
Buckwheat, Wild	3
Canada Thistle ^{a,b}	8 to bud stage
Cocklebur ^a	6
Dayflower	4
Devilsclaw ^a	3
Galinsoga ^b	2
Jimsonweed	6
Ladysthumb	6
Lambsquarters, Common ^b	2
Mallow, Venice	4
Morningglories ^c	2
Mustard, Wild	4
Nightshade, Black	2
Nutsedge, Yellow ^b	6-8
Pigweed, Redroot	2
Smooth	2
Poinsettia, Wild	4
Purslane, Common	1
Ragweed, Common	3
Giant	6
Redweed	6
Shepherdspurse ^d	4
Sida, Prickly (Teaweed)	3
Smartweed, Pennsylvania	6
Starbur, Bristly	2
Sunflower, Wild	5
Velvetleaf	5
Waterhemp, Tall	2
Grasses Controlled	
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

tive 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**.

- ^a Do not treat earlier than leaf stage shown and do not count cotyledon leaves.
- ^b Control may be inconsistent with the rate of **Manifest** herbicide. A later application of **Basagran** herbicide may be necessary (see label for **Basagran**).
- ^c Control may be partial or inconsistent with this rate of **Manifest**. A later application of **Blazer** herbicide may be necessary (see label for **Blazer**).
- ^d Do not treat rosette before seed stalk appears.

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.

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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>

Galaxy

herbicide

FEB 20 1990
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

7969-77

Tank mix with Poast® herbicide for postemergence use in soy using Duplex™ II and Prodigy™ 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.

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.

General Information

Galaxy™ + Poast® herbicides is intended for early postemergence control of a wide spectrum of broadleaf weeds and grasses in soybeans. Galaxy + Poast 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. Galaxy + Poast 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

Galaxy + Poast 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.

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

Duplex™ II System

Galaxy + Poast 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

- 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 lock connector on the sprayer tank.
8) Turn off the nitrogen gas supply when the Prodigy System is empty, operation is complete and the spray tank is ready to be refilled at the point of purchase.

Prodigy Mixing

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

Duplex™ II System Operating Procedure

Duplex™ II Mixing

- 1) Fill tank of a thoroughly cleaned sprayer one half to two thirds with clean water. Start agitator.
- 2) Add nitrogen solution and adjuvant.
- 3) Add tank mix partner (if applicable).
- 4) Add Galaxy to the sprayer. Then add Poast. Finally, add remaining volume of water to the spray tank. Do not attempt to pour Galaxy + Poast into the contents of the Duplex II System (Galaxy and Poast) until the tank simultaneously mixing will result.
- 5) Allow to mix thoroughly.
- 6) Maintain constant agitation during application.
- 7) After dispensing Galaxy + Poast from the Duplex System into the sprayer, clean the sprayer 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 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 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 $\frac{3}{4}$ 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 **Galaxy + Poast**.

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

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

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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
Beggar-ticks	6
Buckwheat, Wild	3
Canada Thistle ^a	8 to bud stage
Cocklebur ^a	5
Dayflower	4
Devilsclaw ^a	3
Galinsoga ^a	2
Jimsonweed	6
Ladysthumb	6
Lambsquarters, Common ^a	2
Mallow, Venice	4
Morningglories ^a	2
Mustard, Wild	4
Nightshade, Black	<2
Nutsedge, Yellow ^a	6-8
Pigweed, Redroot	2
Smooth	2
Poinsettia, Wild	4
Purslane, Common	1
Ragweed, Common	3
Giant	6
Redweed	6
Shepherdspurse ^a	4
Sida, Prickly (Teaweed)	3
Smartweed, Pennsylvania	6
Starbur, Bristly	2
Sunflower, Wild	5
Velvetleaf	5
Waterhemp, Tall	2
Grasses Controlled	
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

^a Do not treat earlier than leaf stage shown and do not count cotyledon leaves.
^b Control may be inconsistent with the rate of **Galaxy** herbicide. A later application of **Basagran** herbicide may be necessary (see label for **Basagran**).
^c Control may be partial or inconsistent with this rate of **Galaxy**. A later application of **Blazer** herbicide may be necessary (see label for **Blazer**).
^d Do not treat rosette before seed stalk appears.

Conditions of Sale and Warranty

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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.

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BASF Corporation
 P.O. Box 13528
 Research Triangle Park, NC 27703



BASF

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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.

7969-77

ManifestTM 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: Flush with large amounts of water for at least 15 minutes. get medical attention.

If on skin: Wash with plenty of soap and water. Consult a physician if irritation persists.

If swallowed: Dilute by giving 2 glasses of water to drink and call a physician. Never give anything by mouth to an unconscious person.

Note to physician: Emesis is recommended.

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: 1.25 gallons

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

**Precautionary Statements
HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

Danger
Causes eye damage. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes. Avoid breathing vapor or spray mist and contact with skin or clothing. May cause allergic skin response.

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 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
Residues of acifluorfen have been found in groundwater 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, and 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.

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.

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 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 before or during application is not recommended. Cultivation at this time may cause inadequate control because weeds may be under stress. A timely culti-

vation 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 $\frac{3}{4}$ 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.

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 **Manifest** on soybeans, some leaf burn may occur, but generally all new growth is normal and crop vigor is not reduced. The potential

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 ^a	8 to bud stage
Cocklebur ^a	6
Dayflower	4
Devilsclaw ^a	3
Galinsoga ^b	2
Jimsonweed	6
Ladysthumb	6
Lambsquarters, Common ^a	2
Mallow, Venice	4
Morningglory ^c	2
Mustard, Wild	4
Nightshade, Black	<2
Nutsedge, Yellow ^a	6-8
Pigweed, Redroot	2
Smooth	2
Poinsettia, Wild	4
Purslane, Common	1
Ragweed, Common	3
Giant	6
Redweed	6
Shepherdspurse ^a	4
Sida, Prickly (Teaweed)	3
Smartweed, Pennsylvania	6
Starbur, Bristly	2
Sunflower, Wild	5
Velvetleaf	5
Waterhemp, Tall	2
Grasses Controlled	
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

^a Do not treat earlier than leaf stage shown and do not count cotyledon leaves.
^b Control may be inconsistent with the rate of **Manifest** herbicide. A later application of **Basagran** herbicide may be necessary (see label for **Basagran**).
^c Control may be partial or inconsistent with this rate of **Manifest**. A later application of **Blazer** herbicide may be necessary (see label for **Blazer**).
^d Do not treat rosette before seed stalk appears.

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 irrigator 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 **Proast 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 spp.</i>
Devilsclaw	<i>Proboscidea louisianica</i>
Galinsoga	<i>Galinsoga spp.</i>
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 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, 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 gracillis</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>

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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.

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