

PM 25 March 7969-88

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Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98.



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

244302

## Application for Pesticide - Section I

1. Company/Product Number 7969-88	2. EPA Product Manager Robert J. Taylor	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Poast Plus® Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) BASF Corporation Agricultural Products P.O. 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 _____	<b>NOTIFICATION</b> MAR 21 1996
<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.)

Notification of changes in label language per PR Notice 95-2. Submission of supplemental labeling for Poast Plus and Rezult G Herbicides containing revised operating instructions for Prodigy System.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes", indicate unit packaging wgt. _____ No. per container _____ If "Yes", indicate 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 2 gal. & Bulk (>55 gal)		5. Location of Label Directions <input type="checkbox"/> On Label <input checked="" 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 checked="" type="checkbox"/> Other Sleeve			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Edward G. Jordan	Title Registration Scientist	Telephone No. (Include Area Code) (919) 547-2089
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.		6. Date Application Received (Stamped)
2. Signature Edward G. Jordan	3. Title Registration Scientist	
4. Typed Name Edward G. Jordan	5. Date February 20, 1996	

# Poast Plus®

herbicide

**Directions For Use with Basagran® 600 herbicide as a tank mixture and as a three-way tank mixture with Basagran plus one of the following herbicides: Blazer®, Classic®, Concert®, Reflex®, or 2,4-DB using Duplex II or Prodigy Systems**

Poast Plus - EPA Reg. No 7969-88

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. 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.

## General Information

**Poast Plus + Basagran 600** is intended for the postemergence control of a wide spectrum of broadleaf and grass weeds in soybeans.

## Prodigy™ System:

The Prodigy System is a unique, 120-gallon closed returnable 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 system contents.

Do not refill Prodigy System. Return Prodigy System to BASF for cleaning and refilling.

**Poast Plus + Basagran 600** 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 Plus and Basagran 600 in a 1:1 ratio. See Prodigy System Operating Procedure.

## Duplex™ II System

**Poast Plus and Basagran 600** are provided in a molded jug pack that contains enough Poast Plus and Basagran 600 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.

## Mode of Action:

**Poast Plus + Basagran 600** is effective through postemergence contact and systemic activity. Weeds must be thoroughly covered with spray. Large crop-and-weed-leaf canopies shelter smaller weeds and prevent adequate spray coverage.

## Crop Tolerance:

All soybean varieties are tolerant to **Poast Plus + Basagran 600** at all stages of growth. Leaf speckling may occur, but plants generally outgrow this condition within 10 days.

## Rotational Crops:

**Poast Plus + Basagran 600** has no crop rotation restrictions. If treated crop is destroyed due to weather conditions such as hail, flooding, freezing, etc., allow 14 days before replanting with corn, sorghum, or small grain crops. If tank mixing with **Blazer®, Classic®, Concert®, or Reflex®** herbicide, refer to respective label for crop rotation restrictions.

## Cultivation:

Do not cultivate before application or within five days after application of **Poast Plus + Basagran 600**. Cultivation may put weeds under stress and reduce control. A timely cultivation 5-7 days after applying **Poast Plus + Basagran 600** may assist weed control in soybeans grown in rows greater than 10 inches apart.

## Application Rate and Timing

Apply **Poast Plus + Basagran 600** at 3.2 pints per acre (1.6 pints per acre of **Poast Plus** + 1.6 pints per acre of **Basagran 600**) early postemergence when weeds are small and actively growing (generally when soybeans are in the 1st to 3rd trifoliate leaf stage of growth). See Table 1 for recommended size. **Poast Plus + Basagran 600** can be applied at a maximum total rate of 3.2 pints per acre (1.6 pints per acre of **Poast Plus** + 1.6 pints per acre of **Basagran 600**).

An additional 2 pints of **Basagran** per acre may be applied after a single application of **Poast Plus + Basagran 600**.

An additional 5.9 pints of **Poast Plus** per acre may be applied after a single application of **Poast Plus + Basagran 600**.

Always add 2 quarts of UAN solution per acre (see **Nitrogen Solution**) except when a silicone adjuvant is recommended for use with **Blazer** and **Reflex** tank mixes (see Table 2).

#### 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. Ammonium sulfate (AMS) can be substituted at 2 pounds per acre. **Note about ammonium sulfate (AMS):** Use high-quality ammonium sulfate to avoid plugging of spray nozzles. The ammonium sulfate must be readily soluble in water and contain no insoluble materials. Local sources of high-quality, spray-grade ammonium sulfate are recommended. Low-quality ammonium sulfate 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 ammonium sulfate to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, predissolve the ammonium sulfate in

water and filter prior to addition to the spray tank. If ammonium sulfate can be added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet lines. Ensure that ammonium sulfate is completely dissolved in the spray tank before adding other products.

#### 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 silver horizontal handle in front of the meter until both sides are locked in the lower position allowing the manifold to fill with pressure and product.
- 5) Set measuring meter to zero.
- 6) Turn the yellow manifold handle counter clockwise (to horizontal) until the desired amount of product, as indicated on the measuring meter, has been discharged into the spray tank.
- 7) Turn the yellow manifold handle clockwise (to vertical) to stop the discharge of product into the sprayer tank.

8) Lift the silver handle to the unlocked position in front of the meter to stop liquid and pressurization from flowing into the manifold.

9) 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.

10) Disconnect the female dry lock connector on the tank hose from the male dry lock connector on the spray tank.

11) Recoil the hose onto the hose rack.

12) Turn off the nitrogen gas supply when the **Prodigy System** operation is completed, the tank is empty, 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 Plus + Basagran 600** and remaining volume of water.
- 5) Allow to mix thoroughly.
- 6) Maintain constant agitation during application.
- 7) After dispensing **Poast Plus + Basagran 600** from the **Prodigy System**, spray within 48 hours.

**Table 1: Maximum Weed Heights Controlled by Poast Plus + Basagran 600 at 3.2 pints per acre (1.6 pints per acre of Poast Plus + 1.6 pints per acre of Basagran 600)<sup>a</sup> + Nitrogen Solution<sup>b</sup> at 2 quarts per acre**

Broadleaves	Maximum Weed Height	Grasses	Maximum Weed Height	Perennials (top growth suppression)	Maximum Weed Height
Balloonvine	2"	Barnyardgrass	4"	Canada Thistle <sup>c</sup>	6"
Beggarticks	5"	Broadleaf Signal Grass	4"	Johnsongrass <sup>d</sup>	4"
Bristly Starbur	2"	Crabgrass, Large	2"	(Rhizome)	
Cocklebur	5"	, Smooth	2"	Quackgrass <sup>d</sup>	4"
Dayflower	4"	Foxtail, Giant	6"	Wirestem Muhly <sup>c</sup>	4"
Jimsonweed	5"	, Green	6"	Yellow Nutsedge <sup>c</sup>	6"
Ladysthumb	5"	, Yellow	6"		
Lambsquarters, Common	1"	Goosegrass	4"		
Marshelder	2"	Johnsongrass	4"		
Purslane, Common	1"	(seedling)			
Prickly Sida/Tea Weed	3"	Junglerice	4"		
Ragweed, Common	1"	Panicum, Browntop	4"		
, Giant	2"	, Fall	4"		
Redweed	5"	, Texas	4"		
Shepherdspurse	4"	Red Sprangletop	4"		
Smartweed, Pennsylvania	5"	Ryegrass, Annual	4"		
Spurred Anoda	3"	Shattercane	4"		
Tropic Croton	2"	Volunteer Corn	12"		
Velvetleaf	5"	Wild Oats	2"		
Vernice Mallow	2"	Wild Proso Millet	8"		
Wild Buckwheat	3"	Witchgrass	4"		
Wild Mustard	4"	Woolly Cupgrass	4"		
Wild Sunflower	4"				
Wild Poinsettia	4"				

<sup>a</sup> **Poast Plus + Basagran 600** can be applied at a maximum rate of 1.6 pints per acre of each product.

<sup>b</sup> AMS can be substituted at 2 pounds per acre.

<sup>c</sup> For regrowth or new germination follow up 10-14 days later with **Basagran**. Refer to **Basagran** label.

<sup>d</sup> For regrowth or new germination follow up 10-14 days later with **Poast Plus**. Refer to **Poast Plus** label.

Table 2: Tank mixes with Basagran 600 + Poast Plus:

Poast Plus + Basagran 600 at 3.2 pints per acre (1.6 pints per acre of Poast Plus + 1.6 pints per acre of Basagran 600) can be tank mixed with the following products for improved control of the weed species listed according to maximum height (inches):

Tank Mix Partner <sup>a</sup> Rate per acre	Concert <sup>b</sup> 1/5 oz.	Classic <sup>b</sup> 1/4 oz.	Blazer <sup>b</sup> 10 fl. oz.	Blazer <sup>b</sup> 5 fl. oz.	Reflex <sup>b</sup> 10 fl. oz.	Reflex <sup>b</sup> 5 fl. oz.	2,4-DB <sup>b</sup> 1 fl. oz.
Adjuvant Rate per acre	UAN 2 quarts	UAN 2 quarts	Silicone <sup>c</sup> 0.125-0.25% v/v	Silicone <sup>c</sup> 0.125-0.25% v/v	Silicone 0.125-0.25% v/v	Silicone 0.125-0.25% v/v	UAN 2 quarts
Lambsquarters, Common	2"	—	2"	—	2"	—	—
Morningglories	—	—	1"	—	1"	—	1"
Nightshade	—	—	<2"	—	<2"	—	—
Pigweed, Redroot	2"	1"	2"	1"	2"	1"	—
Smooth	2"	1"	2"	1"	2"	1"	—
Ragweed, Common	—	—	3"	2"	3"	2"	—
Giant	—	—	6"	4"	6"	4"	—
Sunflower, Wild	5"	5"	—	—	—	—	—
Waterhemp, Tall	—	—	2"	1"	2"	1"	—

**Tank Mix Information:**

- <sup>a</sup> Potential crop symptoms such as leafburn (Blazer or Reflex) or stunting (Concert or Classic) are most likely to occur under hot/humid or stress conditions. Any injury which may occur is generally outgrown in 10-14 days with no significant crop effects.
- <sup>b</sup> Refer to each respective label for restrictions and limitations. The most restrictive labeling applies to all tank mixes.
- <sup>c</sup> For best results with Blazer when velvetleaf is present, use a silicone adjuvant at 0.125-0.25% v/v and 1 pint per acre of 28% UAN or AMS can be substituted at 0.5 pound per acre.

**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 Basagran 600 to the spray tank, then add Poast Plus. Finally, add the remaining volume of water to the spray tank. Do not attempt to pour the contents of the Duplex II container system (Poast Plus and Basagran 600) into the tank simultaneously or poor mixing will result.
- 5) Allow to mix thoroughly.
- 6) Maintain constant agitation during application.
- 7) After dispensing Poast Plus and Basagran 600 from the Duplex II System into the spray tank, spray within 48 hours.

**Ground Application**

Use a minimum of 10 gallons of water per acre at a minimum of 40 psi pressure (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 a minimum of 60 psi pressure. Use standard high pressure pesticide hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood or whirl chamber nozzles. Brass nozzles are not recommended due to the corrosive effects of nitrogen additives.

**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 Poast Plus + Basagran 600 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.

**Procedure For Cleaning Spray Equipment**

Clean sprayer thoroughly before and after application of Poast Plus + Basagran 600, particularly if a herbicide with the potential to injure crops was used. Consult the label of the previously used herbicide for cleaning instructions. If no instructions are available, the steps listed below are suggested for thorough cleaning of spray equipment prior to or following application of Poast Plus + Basagran 600.

- Step 1:** Hose down thoroughly the inside as well as the outside of equipment while filling the spray tank half full of water.

Flush by operating sprayer until the system is purged of this rinse water.

- Step 2:** Refill tank with water while adding 1 gallon household ammonia or 1 pint household dishwashing detergent or 1 pound of dishwasher detergent per 100 gallons of water. Or add a commercial sprayer cleaner according to the manufacturer's directions. Operate the pump to circulate the detergent solution through the sprayer system for 5-10 minutes and discharge a small amount of solution through the boom and nozzles. Let the solution stand for 24 hours.

- Step 3:** Flush the detergent solution out of the spray tank through the boom.

- Step 4:** Remove the nozzles and screens and flush the system with a minimum of 50 gallons of water twice.

**Storage and Disposal**

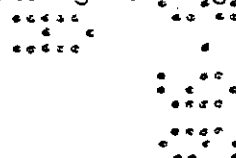
Do not allow this product to freeze. Do not contaminate water, food, or feed by storage or disposal.

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

Triple rinse 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.



## Restrictions and Limitations

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

Do not apply **Poast Plus + Basagran 600** to soybeans under stress due to lack of moisture, previous herbicide injury, mechanical injury, or cold temperatures, as crop injury may result.

Do not apply to weeds under stress, such as stress due to lack of moisture, previous herbicide injury, mechanical injury or cold temperatures, as unsatisfactory control could result.

Do not apply if rainfall or irrigation is expected within one hour following application.

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Poast Plus + Basagran 600** with other pesticides (fungicides, herbicides, insecticides or miticides), additives or fertilizers not recommended on the label.

BASF does not recommend the use of **Poast Plus + Basagran 600** in tank mixes other than those listed on BASF labels, supplemental labels, or technical bulletins. Local agricultural authorities may be a source of information when using other than BASF recommended combinations.

Do not apply **Poast Plus + Basagran 600** as a preplant or preemergent treatment prior to corn, millet, sorghum, or small grain crops.

Do not apply **Poast Plus + Basagran 600** through any type of irrigation system.

Do not apply to soybeans within 75 days of harvest.

Do not graze treated soybean fields and do not feed treated soybean forage (green succulent) or ensilage to livestock.

Do not graze or cut treated soybean fields for hay for at least 30 days after the last treatment of **Poast Plus + Basagran 600**.

Do not apply more than 2 pints of **Basagran** or 5.9 pints of **Poast Plus** per acre after an application of 3.2 pints of **Poast Plus + Basagran 600** per acre in one season.

Do not apply more than 3.2 pints of **Poast Plus + Basagran 600** per acre in one season.

Do not apply more than a total of 2 pounds of bentazon active ingredient (a.i.) from all sources per acre per calendar year.

## 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.

*Duplex and Prodigy are trademarks of BASF Corporation.*

*Patent pending on container.*

*Basagran is a registered trademark of BASF AG.*

*Blazer and Poast Plus are registered trademarks of BASF Corporation.*

*Classic and Concert are registered trademarks of E.I. DuPont de Nemours and Company.*

*Reflex is a registered trademark of Zeneca, Limited.*

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BASF Corporation

P.O. Box 13528

Research Triangle Park, NC 27709

**BASF**

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# Result<sup>TM</sup> G

**herbicide**

## Postemergence Herbicide For Soybeans

### Active Ingredient:

2-[1-ethoxyimino]butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one*	13%
Inert Ingredients:	87%
Total	100%

\*Equivalent to 1 pound per gallon

EPA Reg. No. 7969-88

**KEEP OUT OF REACH OF CHILDREN.**

## CAUTION

### Statement of practical treatment

**If in eyes:** Flush with plenty of water. Call a physician if irritation develops.

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

**If swallowed:** Drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol.

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

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the **Directions For Use** section for information about this standard.

### Net contents

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

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

**Caution.** Causes moderate eye injury. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing.

### Personal Protective Equipment (PPE)

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

### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or viton ≥ 14 mils
- Shoes plus socks

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 of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### Environmental Hazards

For terrestrial uses, do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters.

### Endangered Species Concerns

**Notice:** 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.

The use of this product is controlled to prevent death or harm to Solanograss which occurs in Solano County, California. Before using this product in this county, you must obtain the EPA Endangered Species Bulletin (EPA/ES-85-13) available from either your County Agricultural Extension Agent, the Endangered Species Specialist in the California Department of Fish and Game, or the Regional Office of the U.S. Fish and Wildlife Service (Portland, Oregon) or the U.S. Environmental Protection Agency (San Francisco).

**This bulletin must be reviewed prior to pesticide use. The use of this product is prohibited in this county unless specified otherwise in the bulletin.**

### In Case of Emergency

In case of large-scale spillage regarding this product, avoid contact, isolate area, and keep out animals and unprotected persons.

Confine spill and 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

## Directions For Use — Rezult B and G

(Hereafter referred to as **Rezult**)

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.

### **Rezult B must be used in combination with Rezult 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 12 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
- Chemical-resistant gloves such as barrier laminate, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, or viton  $\geq 14$  mils
- Shoes plus socks
- Protective eyewear

## General Information

**Rezult** is intended for the postemergence control of a wide spectrum of broadleaf and grass weeds in soybeans.

### **Prodigy™ System:**

The **Prodigy System** is a unique, 120-gallon closed returnable 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 system contents.

Do not refill **Prodigy System**.

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

**Rezult** 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 **Rezult B** and **G** in a 1:1 ratio. See **Prodigy System Operating Procedure**.

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.

### **Duplex™ II System**

**Rezult** is provided in a molded jug pack that contains enough **Rezult B** and **Rezult 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.

### **Mode of Action:**

**Rezult** is effective through postemergence contact and systemic activity. Weeds must be thoroughly covered with spray. Large crop- and weed-leaf canopies shelter smaller weeds and prevent adequate spray coverage.

### **Crop Tolerance:**

All soybean varieties are tolerant to **Rezult** at all stages of growth. Leaf speckling may occur, but plants generally outgrow this condition within 10 days.

### **Rotational Crops:**

**Rezult** has no crop rotation restrictions. If treated crop is destroyed due to weather conditions such as hail, flooding, freezing, etc., allow 14 days before replanting with corn, sorghum, or small grain crops. If tank mixing with **Blazer**®, **Classic**®, **Concert**®, or **Reflex**® herbicide, refer to respective label for crop rotation restrictions.

### **Cultivation:**

Do not cultivate before application or within five days after application of **Rezult**. Cultivation may put weeds under stress and reduce control.

A timely cultivation 5-7 days after applying **Rezult** may assist weed control in soybeans grown in rows greater than 10 inches apart.

### **Application Rate and Timing**

Apply **Rezult** at 3.2 pints per acre (1.6 pints per acre of **Rezult G** + 1.6 pints per acre of **Rezult B**) early postemergence when weeds are small and actively growing (generally when soybeans are in the 1st to 3rd trifoliate leaf stage of growth). See **Table 1** for recommended size. **Rezult** can be applied at a maximum total rate of 3.2 pints per acre (1.6 pints per acre of **Rezult G** + 1.6 pints per acre of **Rezult B**).

An additional 2 pints of **Basagran** per acre may be applied after a single application of **Rezult**.

An additional 5.9 pints of **Poast Plus** per acre may be applied after a single application of **Rezult**.

### **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. Ammonium sulfate (AMS) can be substituted at 2 pounds per acre.

**Note about ammonium sulfate (AMS):** Use high-quality ammonium sulfate to avoid plugging of spray nozzles. The ammonium sulfate must be readily soluble in water and contain no insoluble materials. Local sources of high-quality, spray-grade ammonium sulfate are recommended. Low-quality ammonium sulfate 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 ammonium sulfate to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, predissolve the ammonium sulfate in water and filter prior to addition to the spray tank. If ammonium sulfate can be added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet lines. Ensure that ammonium sulfate is completely dissolved in the spray tank before adding other products.





**Table 1: Maximum Weed Heights Controlled by Rezult G + Rezult B at 3.2 pints per acre (1.6 pints per acre of Rezult G + 1.6 pints per acre of Rezult B)\* + Nitrogen Solution\* at 2 quarts per acre**

Broadleaves	Maximum Weed Height	Grasses	Maximum Weed Height	Perennials (top growth suppression)	Maximum Weed Height
Balloonvine	2"	Barnyardgrass	4"	Canada Thistle <sup>b</sup>	6"
Beggarticks	5"	Broadleaf Signal Grass	4"	Johnsongrass <sup>c</sup>	4"
Bristly Starbur	2"	Crabgrass, Large	2"	(Rhizome)	
Cocklebur	5"	Smooth	2"	Quackgrass <sup>c</sup>	4"
Dayflower	4"	Foxtail, Giant	6"	Wirestem Muhly <sup>c</sup>	4"
Jimsonweed	5"	Green	6"	Yellow Nutsedge <sup>b</sup>	6"
Ladysthumb	5"	Yellow	6"		
Lambsquarters, Common	1"	Goosegrass	4"		
Marshelder	2"	Johnsongrass	4"		
Purslane, Common	1"	(seedling)			
Prickly Sida/Tea Weed	3"	Junglerice	4"		
Ragweed, Common	1"	Panicum, Browntop	4"		
Giant	2"	Fall	4"		
Redweed	5"	Texas	4"		
Shepherdspurse	4"	Red Sprangletop	4"		
Smartweed, Pennsylvania	5"	Ryegrass, Annual	4"		
Spurred Anoda	3"	Shattercane	4"		
Tropic Croton	2"	Volunteer Corn	12"		
Velvetleaf	5"	Wild Oats	2"		
Verice Mallow	2"	Wild Proso Millet	8"		
Wild Buckwheat	3"	Witchgrass	4"		
Wild Mustard	4"	Woolly Cupgrass	4"		
Wild Sunflower	4"				
Wild Poinsettia	4"				

\* Rezult can be applied at a maximum rate of 3.2 pints per acre.

\* AMS can be substituted at 2 pounds per acre.

<sup>b</sup> For regrowth or new germination follow up 10-14 days later with Basagran. Refer to Basagran label.

<sup>c</sup> For regrowth or new germination follow up 10-14 days later with Poast Plus. Refer to Poast Plus label.

### 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 silver horizontal handle in front of the meter until both sides are locked in the lower position allowing the manifold to fill with pressure and product.
- 5) Set measuring meter to zero.
- 6) Turn the yellow manifold handle counter clockwise (to horizontal) until the desired amount of product, as indicated on the measuring meter, has been discharged into the spray tank.
- 7) Turn the yellow manifold handle clockwise (to vertical) to stop the discharge of product into the sprayer tank.
- 8) Lift the silver handle to the unlocked position in front of the meter to stop liquid and pressurization from flowing into the manifold.

9) 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.

10) Disconnect the female dry lock connector on the tank hose from the male dry lock connector on the spray tank.

11) Recoil the hose onto the hose rack.

12) Turn off the nitrogen gas supply when the Prodigy System operation is completed, the tank is empty, 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 Rezult and remaining volume of water.
- 5) Allow to mix thoroughly.
- 6) Maintain constant agitation during application.
- 7) After dispensing Rezult 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 Rezult B to the spray tank, then add Rezult 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 (Rezult B and Rezult G) into the tank simultaneously or poor mixing will result.
- 5) Allow to mix thoroughly.
- 6) Maintain constant agitation during application.
- 7) After dispensing Rezult B and Rezult G from the Duplex II System into the spray tank, spray within 48 hours.

**Table 2: Tank mixes with Rezult:**

**Rezult G + Rezult B at 3.2 pints per acre (1.6 pints per acre of Rezult G + 1.6 pints per acre of Rezult B) can be tank mixed with the following products for improved control of the weed species listed according to maximum height (inches):**

Tank Mix Partner <sup>a</sup> Rate per acre	Concert <sup>b</sup> 1/5 oz.	Classic <sup>b</sup> 1/4 oz.	Blazer <sup>b</sup> 10 fl. oz.	Blazer <sup>b</sup> 5 fl. oz.	Reflex <sup>b</sup> 10 fl. oz.	Reflex <sup>b</sup> 5 fl. oz.	2,4-DB <sup>b</sup> 1 fl. oz.
Adjuvant Rate per acre	UAN 2 quarts	UAN 2 quarts	Silicone <sup>c</sup> 0.125-0.25% v/v	Silicone <sup>c</sup> 0.125-0.25% v/v	Silicone 0.125-0.25% v/v	Silicone 0.125-0.25% v/v	UAN 2 quarts
Lambsquarters, Common	2"	—	2"	—	2"	—	—
Morningglories	—	—	1"	—	1"	—	1"
Nightshade	—	—	<2"	—	<2"	—	—
Pigweed, Redroot	2"	1"	2"	1"	2"	1"	—
Smooth	2"	1"	2"	1"	2"	1"	—
Ragweed, Common	—	—	3"	2"	3"	2"	—
Giant	—	—	6"	4"	6"	4"	—
Sunflower, Wild	5"	5"	—	—	—	—	—
Waterhemp, Tall	—	—	2"	1"	2"	1"	—

**Tank Mix Information:**

- <sup>a</sup> Potential crop symptoms such as leafburn (**Blazer** or **Reflex**) or stunting (**Concert** or **Classic**) are most likely to occur under hot/humid or stress conditions. Any injury which may occur is generally outgrown in 10-14 days with no significant crop effects.
- <sup>b</sup> Refer to each respective label for restrictions and limitations. The most restrictive labeling applies to all **Rezult** tank mixes.
- <sup>c</sup> For best results with **Blazer** when velvetleaf is present, use a silicone adjuvant at 0.125-0.25% v/v and 1 pint per acre of 28% UAN or AMS can be substituted at 0.5 pound per acre.

**Ground Application**

Use a minimum of 10 gallons of water per acre at a minimum of 40 psi pressure (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 a minimum of 60 psi pressure. Use standard high pressure pesticide hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood or whirl chamber nozzles. Brass nozzles are not recommended due to the corrosive effects of nitrogen additives.

**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 <sup>3</sup>/<sub>4</sub> the distance from the center of the aircraft to the end of the wing or rotor.

Do not apply **Rezult** 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.

**Procedure For Cleaning Spray Equipment**

Clean sprayer thoroughly before and after application of **Rezult**, particularly if a herbicide with the potential to injure crops was used. Consult the label of the previously used herbicide for cleaning instructions. If no instructions are available, the steps listed below are suggested for thorough cleaning of spray equipment prior to or following application of **Rezult**.

**Step 1:** Hose down thoroughly the inside as well as the outside of equipment while filling the spray tank half full of water. Flush by operating sprayer until the system is purged of this rinse water.

**Step 2:** Refill tank with water while adding 1 gallon household ammonia or 1 pint household dishwashing detergent or 1 pound of dishwasher detergent per 100 gallons of water. Or add a commercial sprayer cleaner according to the manufacturer's directions. Operate the pump to circulate the detergent solution through the sprayer system for 5-10 minutes and discharge a small amount of solution through the boom and nozzles. Let the solution stand for 24 hours.

**Step 3:** Flush the detergent solution out of the spray tank through the boom.

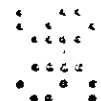
**Step 4:** Remove the nozzles and screens and flush the system with a minimum of 50 gallons of water twice.

**Storage and Disposal**

Do not allow this product to freeze. Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Triple rinse **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.



### Restrictions and Limitations

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

Do not apply **Rezult** to soybeans under stress due to lack of moisture, previous herbicide injury, mechanical injury, or cold temperatures, as crop injury may result.

Do not apply to weeds under stress, such as stress due to lack of moisture, previous herbicide injury, mechanical injury or cold temperatures, as unsatisfactory control could result.

Do not apply if rainfall or irrigation is expected within one hour following application.

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Rezult** with other pesticides (fungicides, herbicides, insecticides or miticides), additives or fertilizers not recommended on the label.

BASF does not recommend the use of **Rezult** in tank mixes other than those listed on BASF labels, supplemental labels, or technical bulletins. Local agricultural authorities may be a source of information when using other than BASF recommended combinations.

Do not apply **Rezult** as a preplant or preemergent treatment prior to corn, millet, sorghum, or small grain crops.

Do not apply **Rezult** through any type of irrigation system.

Do not apply to soybeans within 75 days of harvest.

Do not graze treated soybean fields and do not feed treated soybean forage (green succulent) or ensilage to livestock.

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

Do not apply more than 2 pints of **Basagran** or 5.9 pints of **Poast Plus** per acre after an application of 3.2 pints of **Rezult** per acre in one season.

Do not apply more than a total of 3.2 pints of **Rezult** per acre in one season.

Do not apply more than a total of 2 pounds of bentazon active ingredient (a.i.) from all sources per acre per calendar year.

### 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.

*Duplex and Prodigy are trademarks of BASF Corporation.*

*Patent pending on container.*

*Basagran is a registered trademark of BASF AG.*

*Blazer and Poast Plus are registered trademarks and Rezult is a trademark of BASF Corporation.*

*Classic and Concert are registered trademarks of E.I. DuPont de Nemours and Company.*

*Reflex is a registered trademark of Zeneca, Limited.*

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NVA 0196/RG 4200-0019  
EPA Approved

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



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

241001

## Application for Pesticide - Section I

1. Company/Product Number 7969-88	2. EPA Product Manager R TAYLOR	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) FOAST PLUS 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 _____	<b>NOTIFICATION</b>  MAR 21 1996
<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.)

NOTIFICATION CHANGE IN NAME FROM ALTERNATE NAME  
FOAST SR TO ORIGINAL TRADE NAME FOAST PLUS

## 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 <input type="checkbox"/> Plastic <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 type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1, 2 1/2, 5 GAL		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	
Certification 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.			6. Date Application Received (Stamped) ..... ..... ..... .....
2. Signature TR Nelsen	3. Title Manager Regulatory Affairs		
4. Typed Name TR Nelsen	5. Date 2/21/96		

**BASF**

RT 1-5-96  
Copy 1  
from SR

13 7 19

2/21/96

NOTIFICATION

## Supplemental Label

# Poast Plus<sup>®</sup>

herbicide

### Active Ingredient:

Sethoxydim 2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one\*.....13.0%  
Inert Ingredients: .....87.0%  
Total.....100.0%

\*Equivalent to 1 pound per gallon

EPA Reg. No. 7969-88

**KEEP OUT OF REACH OF CHILDREN.**

## CAUTION

### Statement of Practical Treatment

**If in eyes:** Flush with plenty of water. Call a physician if irritation persists.

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

**If swallowed:** Promptly drink a large quantity of milk, egg whites, gelation solution, or, if these are not available, large quantities of water. Avoid alcohol.

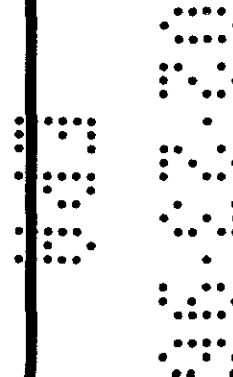
See inside booklet for complete **Directions For Use** and **Conditions of Sale and Warranty**.

### 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)**

Causes moderate eye injury.  
Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing.

**Personal Protective Equipment:**

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

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or viton ≥ 14 mils
- Shoes plus socks

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 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**

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 Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves such as barrier laminate, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or viton ≥ 14 mils
- Shoes plus socks

**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

**Storage and Disposal**

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

Pesticide wastes are toxic.

Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of 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 container (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**General Information**

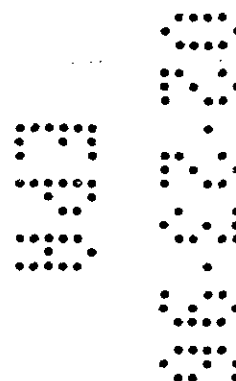
**Poast Plus® herbicide** may be applied postemergence to control annual and perennial grass weeds in **SR™ sethoxydim-resistant field corn** or corn grown for **SR seed**.

**Poast Plus** does not control sedges or broadleaf weeds.

Applications should be made when weeds are small and actively growing.

**Only SR corn hybrids are tolerant to Poast Plus applications.**

**Severe crop injury will occur to corn hybrids not labeled as SR corn.** Essentially, all grass crops such as sorghum, non-SR corn and small grain, as well as ornamental grasses such as turf, are susceptible to **Poast Plus**; therefore, avoid all direct or indirect contact with any grass crop.



**Control Symptoms: Poast Plus® herbicide** rapidly enters the plant through the foliage and translocates throughout the plant. Control symptoms exhibited by the grass plant progress from a slowing or stopping of growth (generally within two days) to reddening or yellowing of the foliage to leaf tip burn. Subsequently, burn back of the foliage occurs. These symptoms will generally be observed within three weeks, depending on environmental conditions.

#### **Time and Rate of Application**

Apply **Poast Plus** by ground or air equipment to actively growing grasses before they reach the maximum size listed in **Tables 1 and 2**. Do not apply to grasses under stress due to lack of moisture, herbicide injury, mechanical injury, or cold temperature, as unsatisfactory control may result. Thorough spray coverage of grass foliage is essential. **Ground Application:** Use 10-20 gallons per acre of water per broadcast acre at a minimum of 40 psi pressure (measured at the boom, not at the pump or in the line) to ensure adequate spray coverage. Use standard high-pressure 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. 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 tank mix by aircraft within 200 feet upwind of ornamental or sensitive nontarget crops. Applicator must follow the most restrictive use precautions to avoid drift hazards and must follow labeling as well as applicable state and local regulations and ordinances.

#### **Directed Spray or Layby**

**Treatments:** When the crop is tall and grasses are below the crop canopy, drop nozzles should be used to direct the spray mixture onto the weeds.

**Band Application:** Banding may be used to control annual grasses. Grasses that are not covered or only partly covered by **Poast Plus** will not be adequately controlled. All recommendations are on a broadcast basis. When banding, rates of **Poast Plus**, additives, and water should be reduced in proportion to the area sprayed.

#### **Cultivation Information**

Do not cultivate within 5 days prior to application of **Poast Plus** or within 7 days following application. A timely cultivation after 7 days may aid in providing season-long control.

#### **Additives**

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) or **Dash® HC spray adjuvant** should always be added to the spray tank as recommended. 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) be successful in local experience.

The exact composition of suitable oil concentrates will vary, however, vegetable and petroleum oil concentrates should contain emulsifiers that provide good mixing quality. For vegetable oil concentrates, it has been observed that highly refined vegetable oils are more satisfactory than unrefined vegetable oils. For additional information, see **Jar Test for Estimating Suitability of Oil Concentrate**.

#### **Additive Rate:**

**Oil Concentrate:** 1.0% v/v (2 pints per acre maximum).

**Dash HC:** use 0.5% v/v (1 pint per acre maximum).

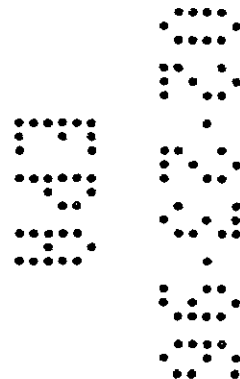
Application rates of 24 ounces of **Poast Plus** per acre or greater may be made without adding either **Dash HC** or oil concentrate.

#### **Mixing/Spraying**

Fill tank of a thoroughly clean sprayer one-half to two-thirds full with clean water. Start agitation and add oil concentrate or **Dash HC**; allow to mix thoroughly. Add **Poast Plus** and remaining volume of water. Apply **Poast Plus** soon after mixing. Maintain constant agitation during application.

#### **Jar Test for Estimating Suitability of Oil Concentrate**

1. **Water supply:** Use only water from intended source and at the source temperature.
2. **Amount of water in jar:** For 20 gallons per acre spray volume use  $3\frac{1}{3}$  cups (800 ml) of water. For 10 gallons per acre spray volume, use  $1\frac{2}{3}$  cups (400 ml) of water. For 5 gallons per acre spray volume, use  $\frac{5}{8}$  cup (200 ml) of water. For other spray volumes, adjust proportionately to above.
3. **Amount of herbicide and oil concentrate to add:** Add herbicide and oil concentrate at the rate of 1 teaspoon (5 ml) for each pint of recommended label rate.
4. **Add components in following sequence,** gently mixing between component additions:
  - a) **Dash HC** or oil concentrate.
  - b) **Poast Plus** (and other emulsifiable concentrates when applicable).
5. **Cap jar,** invert 10 cycles, let stand for 15 minutes, evaluate.
6. **Evaluation:** An ideal tank mix will be uniform; thus, the suitability of the oil concentrate is questionable if any of the following are observed:
  - Free oil at the surface-film or globules.
  - Flocculation-fine particles which may be suspended in the liquid or found as a precipitated layer at the bottom of the jar.
  - Clabbering-thickening texture (coagulated) resembling yogurt or a curd-like texture as with cottage cheese.



**Restrictions and Limitations**  
Do not apply **Poast Plus**® herbicide to corn hybrids which are not specifically labeled as (SR) corn because severe crop injury will occur.

Over-the-top applications of **Poast Plus** in SR corn may be made until the onset of pollen shed. Do not apply **Poast Plus** after pollination occurs.

Do not apply **Poast Plus** to SR corn within 60 days of harvest of corn grain or fodder.

Do not apply **Poast Plus** to SR corn within 45 days of harvest of corn forage/silage.

Do not apply more than a total of 4.5 pints of **Poast Plus** per acre per crop season.

Do not cultivate within 5 days prior to application of **Poast Plus** or within 7 days following application to prevent stress in the weeds.

Do not apply **Poast Plus** if rainfall is expected within 1 hour following application as weed control will probably be unsatisfactory.

Do not apply **Poast Plus** if crop has been subjected to stressful conditions or crop injury produced by prior herbicide applications, hail damage, flooding, drought, unseasonable cold, or widely fluctuating temperatures as injury or unsatisfactory control may result.

If stress conditions are present, delay application to give plants a chance to recover.

#### Poast Plus Tank Mixes

**Poast Plus** may be tank mixed with various herbicides labeled for the use of broadleaf weed control in corn. See Table 3 for suggested dosage rates and possible tank mix combinations.

Timing of tank mix combinations should be in accordance with the weed growth stages indicated on the respective labels. Broadleaf weeds controlled and tank mix partners are listed in Table 3. If weeds are not at the correct stage of growth for treatment at the same time, then separate applications should be made. Delayed application that permits weeds to exceed the maximum size will result in inadequate control.

**Table 1**  
**Rate and Time of Applications**  
**Annual Grasses — Standard Recommendations (SR™ Sethoxydim-resistant Corn)**

Rate and Maximum Height at Application								
Grass	Special Early		Standard		Rescue**		Additive Rate**** Per Acre	
	Max. Ht. (inches)	Rate Per Acre (oz)	Max. Ht. (inches)	Rate Per Acre (oz)	Max. Ht. (inches)	Rate Per Acre (oz)	Dash HC	Oil Concentrate
Barnyardgrass	4	18*	8	24	12	36		
Crabgrass, Large***	—	—	6	24	8	36		
, Smooth	—	—	6	24	8	36		
Cupgrass, Woolly	—	—	8	24	—	—		
Foxtail, Giant	4	18	8	24	16	36		
, Green	4	18	8	24	16	36		
, Yellow	—	—	8	24	16	36		
Goosegrass	3	18	6	24	8	36		
Johnsongrass (seedling)	—	—	8	24	16	36		
Junglerice	—	—	8	24	—	—	0.5% v/v (1 pint maximum)	1.0% v/v (2 pints maximum)
Millet, Wild Proso	10	12	10	12	24	24		
Oats, Wild	—	—	4	24	—	—		
Panicum, Browntop	—	—	8	24	—	—		
, Fall	4	18	8	24	12	36		
, Texas	4	18	8	24	12	24		
Ryegrass, Annual	—	—	8	24	—	—		
Sandbur, Field	—	—	3	30	—	—		
Shattercane/Wildcane	—	—	18	24	—	—		
Signalgrass, Broadleaf	4	18	8	24	12	36		
Sprangletop, Red	—	—	8	24	—	—		
Witchgrass	—	—	8	24	—	—		

\* In the following states, use 24 ounces: AL, AR, FL, GA, LA, MS, NC, SC, TN, TX, and VA.

#### \*\* Rescue Treatment for Controlling Selected Annual Grasses

For best results, always apply **Poast Plus** to growing annual grasses at the growth stage as specified in the above table. However, if **Poast Plus** cannot be applied at the recommended time, larger annual grasses can be controlled with a later application by increasing the rate of **Poast Plus**.

\*\*\* Add 0.5-1 gallon of UAN or 2.5 pounds of AMS to control crabgrass.

\*\*\*\* Application rates of 24 ounces of **Poast Plus** per acre or greater may be made without adding either Dash HC or oil concentrate.



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**Table 2**  
**Rate and Time of Applications**  
**Perennial Grasses — Standard Recommendations (SR™ Sethoxydim-resistant Corn)**

Rate and Maximum Height at Application						
Grass	Standard Initial Application		Sequential Application		Additive Rate Per Acre	
	Maximum Height (inches)	Rate Per Acre (ounces)	Maximum Height (inches)	Rate Per Acre (ounces)	Dash HC	Oil Concentrate
Bermudagrass	6" stolon	36	4" stolon	24	0.5% v/v (1 pint maximum)	1.0% v/v (2 pints maximum)
Johnsongrass (Rhizome)	25	24	12	24		
Johnsongrass (No-Till)	20	24	12	24		
Muhly, Wirestem	6	36	6	36		
Quackgrass*	8	36	8	24		
*Add 0.5-1 gallon of UAN or 2.5 pounds of AMS to control quackgrass.						

**Table 3**  
**Weeds Controlled with a Tank Mix Combination for Sethoxydim-Resistant (SR) Corn\***

Weed List	Poast Plus at 24 ounces per acre plus:			
	Atrazine	Basagran	Laddok S-12	2,4-D LVE**
	Up to 1 pound a.i. per acre	Up to 1 quart per acre	Up to 2.3 pints per acre	Up to 0.25 pound a.e. per acre
Cocklebur, Common	X	X	X	X
Lambsquarters, Common	X	X	X	X
Morningglories	X		X	X
Pigweeds	X		X	X
Ragweeds	X	X	X	X
Smartweeds	X	X	X	X
Velvetleaf	X	X	X	X

\* For additional information on weed heights and leaf stages, consult the respective labels.

\*\* 2,4-D LVE can be applied at 0.25 pound of acid equivalent per acre over the top when corn is 4-5 inches tall and weeds are small. Increase rate to 0.5 pound of acid equivalent per acre as corn reaches 8 inches. Use drop nozzles or direct spray toward the base if corn is more than 8 inches tall. Do not use an additive with **Poast Plus**.

#### Restrictions and Limitations for Tank Mixes (partial list)

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

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Poast Plus**® herbicide with pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers. BASF does not recommend the use of **Poast Plus** tank mixes other than those listed on BASF labels, supplemental labeling, or technical bulletins. Local agricultural authorities may be a source of information when using other than BASF recommended combinations. Do not apply **Poast Plus** with other pesticides whose labels caution against their use with oil adjuvants.

#### **Poast Plus + Basagran**® Tank Mix in SR™ Sethoxydim-resistant Corn:

Do not apply more than 4 pints of **Basagran** per acre in one season.

#### **Poast Plus + Atrazine Tank Mix in SR Corn:**

For postemergence applications, if there has been no previous soil applications to that crop, the maximum rate of atrazine from all sources is 2 pounds of atrazine per acre.

If there has been a previous soil application to that crop, do not exceed a total of 2.5 pounds of active ingredient per acre, per calendar year.

#### **Poast Plus + Laddok**® S-12 Tank Mix in SR Corn:

Do not make more than one application of **Laddok S-12** per season.

#### Procedure for Cleaning Equipment

**Attention! Clean sprayer thoroughly before and after applying Poast Plus.**

Clean sprayer thoroughly prior to application of **Poast Plus**, particularly if a herbicide was used which has the potential to injure the crop sprayed with **Poast Plus**.

Consult the label of previously used herbicides for cleaning instructions. If no instructions are available, these

steps listed below are suggested for cleaning of spray equipment prior to or following applications of **Poast Plus**.

1. Hose down thoroughly the inside as well as the outside of equipment while filling the spray tank half full of water. Flush by operating sprayer until the system is purged of this rinse water.
2. Refill tank with water while adding 1 gallon household ammonia or 1 pint household dish washing detergent per 100 gallons of water. Or add a commercial sprayer cleaner according to the manufacturer's directions. Operate the pump to circulate the detergent solution through the sprayer system for 5 to 10 minutes and discharge a small amount of solution through the boom and nozzles. Let the solution stand for 24 hours.
3. Flush the detergent solution out of the spray tank through the boom.
4. Remove the nozzles and screens and flush the system with two tanks of water.

## Appendix

The following are scientific names for the weeds listed in this label. For specific recommendations on control of these weeds, refer to the major and/or tank mix sections.

Common Name	Scientific Name
Barnyardgrass	<i>Echinochloa crus-galli</i>
Bermudagrass	<i>Cynodon dactylon</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>
Johnsongrass	<i>Sorghum halepense</i>
Junglerice	<i>Echinochloa colonum</i>
Millet, Wild Proso	<i>Panicum miliaceum</i>
Muhly, Wirestem	<i>Muhlenbergia frondosa</i>
Panicum, Browntop	<i>Panicum fasciculatu</i>
, Fall	<i>Panicum dichotomiflorum</i>
, Texas	<i>Panicum texanum</i>
Quackgrass	<i>Agropyron repens</i>
Shattercane/Wildcane	<i>Sorghum bicolor</i>
Signalgrass, Broadleaf	<i>Brachiaria platyphylla</i>
Sprangletop, Red	<i>Leptochloa filiformis</i>
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.

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February 21, 1996

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
401 M Street S.W.  
Washington, D.C. 20460-0001

Agricultural Products

**Subject: POAST SR Herbicide, EPA Registration No. 7969-88**  
**Notification per PR Notice 95-2**

Dear Sir/Madam:

This label confers a notification as per PR Notice 95-2. The notification informs the Agency that BASF no longer intends to market **POAST PLUS** for use in sethoxydim resistant corn as **POAST SR** instead BASF will market the material under the original name, **POAST PLUS**.

The changes made to the enclosed label (marked 2/21/96 Notification) is a global substitution of the name **POAST PLUS** for **POAST SR**. I am enclosing an Application for Pesticide Amendment (OPP Identifier 241001) and a copy of the corrected **POAST PLUS** label with the changes highlighted, as well as a copy of the original **POAST SR** label. If you have any questions regarding this submission, please contact me at (919) 547-2174.

Best regards,  
**BASF Corporation**  
Agricultural Products



T.R. Nelsen, Ph.D.  
Manager, Regulatory Affairs

encl.

cc: R. Taylor (PM 25) - EPA

