

APR 20 1994

Ms. Charlotte A. Sanson
BASF Corporation
Agricultural Products
P.O. Box 13528
Research Triangle Park, NC 27709

Dear Ms. Sanson:

Subject: Conclude G Herbicide (Add Counties In Indiana and Revise Weeds)
EPA Registration No. 7969-58
Your Application Dated January 12, 1994

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

Sincerely,

vw
Robert J. Taylor
Product Manager 25
Fungicide-Herbicide Branch
Registration Division (E7505)

BASF

ACCEPTED
 APR 20 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 7969-58

RT Date: 1-12-94

Conclude™ G

herbicide

Postemergence Herbicide

Active Ingredient:

2-[1-ethoxyimino]butyl]-5-2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one*18%

Inert Ingredients:.....82%

Total:.....100.0%

*Equivalent to 1.5 pounds per gallon

EPA Reg. No. 7969-58

EPA Est. No. 34313-TX-01

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

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

Statement of Practical Treatment

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

If on skin: Wash affected areas with soap and water. Remove and launder contaminated clothing before re-use. If irritation develops, consult a physician.

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

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

See inside 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 7.5 gallons

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

Specimen Label

Precautionary Statements Hazards to Humans (And Domestic Animals):

Causes substantial but temporary eye injury. Harmful if swallowed, inhaled or absorbed through the skin. Do not get in eyes.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and pants
- Chemical-resistant gloves such as barrier laminate or vitron ≥ 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, and loading

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

Engineering Controls Statement:

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

(Hereafter referred to as Conclude)

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 (REI). 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 to treated areas during the 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 over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate or vitron ≥ 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

General Information

Conclude is intended for the early postemergence control of a wide spectrum of broadleaf weeds and annual grasses in soybeans (See Table 1).

General Use Area

Use only in the following areas: Arkansas, Indiana (Only in Crawford, Daviess, Dubois, Gibson, Knox, Martin, Perry, Pike, Posey, Spencer, Vanderburgh, and Warrick counties), Kentucky, Louisiana, Michigan, Mississippi, Missouri (bootheel counties of Butler, Dunklin, Mississippi, New Madrid, Pemiscott, Ripley, Scott, and Stoddard), and Tennessee.

Maximum Weed Heights Controlled by Tank Mixing Conclude B (1.5 pints per acre) and Conclude G (1.5 pints per acre) with Crop Oil Concentrate (1 pint per acre)

Broadleaves	Maximum Weed Height	Grasses	Maximum Weed Height
Bristly Starbur	3"	Barnyardgrass	4"
Carpetweed	2"	Broadleaf Signalgrass	4"
Cocklebur	6"	Crabgrass, Large	4"
Common Lambsquarters*	2"	Crabgrass, Smooth	4"
Common Ragweed	3"	Foxtail, Giant	4"
Crotolaria	6"	Foxtail, Green	4"
Croton, Tropic	<2"	Foxtail, Yellow	4"
, Woolly	<2"	Goosegrass	4"
Giant Ragweed	6"	Johnsongrass (seedling)	4"
Jimsonweed	6"	Junglegrass	4"
Ladysthumb	6"	Panicum, Browntop	4"
Morningglories	2"	Panicum, Fall	4"
Nightshade, Black	2"	Panicum, Texas	4"
Pigweed, Redroot	2"	Red Spangletop	4"
, Smooth	3"	Witchgrass	4"
Prickly Sida/Teeweed*	2"	Woolly Cupgrass	4"
Redweed	3"		
Sesbania	6"		
Smartweed, Pennsylvania	4"		
Spurred Anoda*	2"	Perennials:	Maximum Weed Height
Texasweed	3"	(top growth suppression)	
Velvetleaf*	2"	Canada Thistle	6"
Vernice Mallow	2"	Johnsongrass (Rhizome)	4"
Wild Mustard	4"	Yellow Nutsedge	4"

For new germination or perennial regrowth, follow up no sooner than 15 days later with Basagran® herbicide, Poast Plus® herbicide, Storm® herbicide, or Blazer® herbicide. Refer to the respective labels for Directions For Use.
 * Control may be inconsistent. A later application of Basagran may be necessary. (See Basagran label.)

Storage and Disposal

Keep from freezing. Store above 32°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 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.

Mode of Action:

Conclude 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 Conclude at all stages of growth. Leaf speckling may occur but plants generally outgrow this condition within 10 days.

Cultivation:

Do not cultivate before application or within five days after application of Conclude. Cultivation may put weeds under stress and reduce control obtained. A timely cultivation 2-3 weeks after applying Conclude may assist weed control in soybeans grown in rows more than 10 inches apart.

Application Rate and Timing

Apply Conclude B and Conclude G at the rate of 1.5 pints each per acre at early postemergence when weeds are small and actively growing (generally when soybeans are in the 2nd to 3rd trifoliate leaf stage of growth). Add oil concentrate at a rate of 1 pint per acre. Under excessively dry, wet, or cold conditions, which may reduce herbicidal activity, add oil concentrate at the rate of 2 pints per acre.

Mixing

Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation and add the recommended amounts of product in the following order: Conclude B, oil concentrate, and Conclude G. Then add the remaining quantity of water. Maintain constant agitation during application. After mixing, spray within 48 hours.

Ground Application

Use a minimum of 10-20 gallons 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 pesticide hollow cone or flat fan nozzles spaced 18-20 inches apart. Do not use flood, whirl chamber, or controlled droplet applicator 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: 6-10 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) and not more than 20° downwind.

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 Conclude by aircraft when wind is blowing at a velocity above 10 mph. Coarse sprays (larger droplets) are less likely to drift.

Do not apply Conclude by air if ornamental or sensitive nontarget crops such as cotton, sugar beets, sunflowers, or okra are within 200 feet downwind.

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 Conclude, particularly if a herbicide with the potential to injure crops was previously 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 Conclude.

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 two tankfuls of water.

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 tank mixes.

Only one application of Conclude per acre per season should be made.

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 weed control

could result.

Do not apply if rainfall or irrigation is expected soon after application.

Physical incompatibility, reduced weed control, or crop injury may result from mixing Conclude with other pesticides (fungicides, herbicides, insecticides or miticides) additives or fertilizers not recommended on the label. BASF does not recommend the use of Conclude 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 BASF recommended combinations.

Do not apply Conclude to soybeans that show injury, leaf phytotoxicity, and/or other prior herbicide applications because this injury may be enhanced or prolonged.

Do not apply Conclude through any type of irrigation system.

Do not apply to soybeans within 75 days of harvest.

Do not use treated plants for feed or forage.

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

Crop rotation restriction: Root crops (such as carrots, turnips, sweet potatoes, etc.) must not be planted in field treated with Conclude for 18 months following treatment.

Do not apply more than 2 pints of Basagran or 1 pint of Blazer following an application of Conclude.

Do not apply more than 1.5 pints of Storm following an application of Conclude.

Do not apply sequential applications of Blazer, Basagran, or Poast Plus within 15 days following the application of Conclude.

After application of Conclude, do not apply more than 3.5 pints of Poast per acre, per season.

Do not use selective application equipment such as recirculating sprayers, wiper applicators, or shielded applicators when applying Conclude.

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

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

*Basagran is a registered trademark of BASF AG.
Conclude B and Conclude G are trademarks of BASF Corporation.
Storm, Poast Plus, and Blazer are registered trademarks of BASF Corporation.
© 1994 BASF Corporation
XX ----- JJ9154 A1661293*

BASF Corporation
PO. Box 13528
Research Triangle Park, NC 27709



APR 20 1994

Ms. Charlotte A. Sanson
BASF Corporation
Agricultural Products
P.O. Box 13528
Research Triangle Park, NC 27709

Dear Ms. Sanson:

Subject: Poast S Herbicide (Add Mini-Bulk and WPS Statements)
EPA Registration No. 7969-58
Your Application Dated January 12, 1994

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

Sincerely,

Robert J. Taylor
Product Manager 25
Fungicide-Herbicide Branch
Registration Division (E7505)

JR01

ACCEPTED
APR 20 1994
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 7969-58

BASF

Poast[®] S

herbicide

Postemergence herbicide for use on soybeans and peanuts

Active ingredient:	
2-[1-(ethoxyimino) butyl-5-[2-(ethylthio) propyl]-3-hydroxy-2-cyclohexan-1-one].....	18.0%
Inert ingredients:	82.0%
Total:	100.0%

*Equivalent to 1.5 pounds per gallon
EPA Reg. No. 7969-58

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

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

Statement of Practical Treatment

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

If on skin: Wash affected areas with soap and water. Remove and launder contaminated clothing before re-use. If irritation develops, consult a physician.

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

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

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 15 gallons

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

Specimen Label

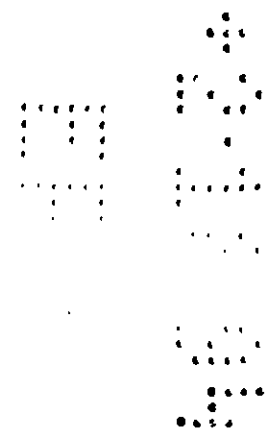
Table of Contents

Precautionary Statements..... 1
Personal Protective Equipment..... 3
Environmental Hazards..... 3
Endangered Species Concerns 3
In Case of Emergency 3
Storage and Disposal 3
Bulk/Mini-Bulk Containers and Refillable Containers of Less than 55 Gallon Capacity..... 3

Directions For Use 3
Control Symptoms 4
Application Information 4
Cultivation Information 4
Ground Application..... 4
 Spray Volume..... 4
 Spray Pressure..... 4
 Nozzle Selection..... 4
 Boom Height..... 4
 Band Application..... 4
 Tall Crop Application 4
Air Application 4
 Special Directions..... 4
 Spray Volume..... 4
 Spray Pressure..... 4
 Nozzle Selection..... 4
 Boom Height..... 4
 Nozzle Orientation..... 4
Spot or Small Area Treatments..... 4
Additives 5
 Addition of Dash® spray adjuvant or oil concentrate 5
 Addition of Urea Ammonium Nitrate Solution or Ammonium Sulfate. 5
 Rate of Additives per Acre..... 5
Mixing/Spraying..... 5
 Jar Test for Estimating Suitability of Oil Concentrate 5
Procedure for Cleaning Spray Equipment 5
General Restrictions and Limitations..... 6

Soybean and Peanut Applications..... 8
Soybean Tank Mix or Sequential Application 8
 Restrictions and Limitations..... 8
 (Tank mix with 2,4-D) Poast® herbicide Burndown 9

Appendix 10
Scientific Names of Grasses Listed in this Label 10
Conditions of Sale and Warranty 10



Precautionary Statements Hazards to Humans (and Domestic Animals)

Precautionary Statements

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

Personal Protective Equipment:

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

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminates, or viton ≥ 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, and loading

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

Engineering Controls Statement:

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

User Safety Recommendations: Users should:

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

Environmental Hazards

Do not apply directly to water or wetlands (swamps, bogs, marshes or potholes). Do not contaminate water when disposing of equipment washwaters.

Endangered Species Concerns

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

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.

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

Bulk/Mini-Bulk Containers and Refillable Containers of Less than 55 Gallon Capacity

Refillable/re-usable containers should be returned to the point of purchase for cleaning and refilling. Refillable/re-usable containers must be thoroughly cleaned before refilling.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with this 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 over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminates, or viton ≥ 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

General Information

For use in Delaware, Maryland, North Carolina, South Carolina, and Virginia only. Poast S is a selective broad spectrum postemergence herbicide for control of annual and perennial grass weeds. Poast S does not control sedges or broadleaf weeds. Essentially, all grass crops such as sorghum, corn, small grains, and rice, as well as ornamental grasses such as turf, are susceptible to Poast S. Avoid all direct or indirect contact with any desired grass crop unless otherwise specified on the Poast S label.

Control Symptoms

Poast S 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 of the foliage and to leaf tip burn. Subsequently, burn back of the foliage occurs. These symptoms will generally be observed within three weeks depending on environmental conditions.

Application Information

Applications can be made as broadcast, band, or spot spray application at rates and growth stages listed in weed tables. Do not exceed application rates and use restrictions specified in Restrictions and Limitations.

Apply Poast S to actively growing grasses when they are at the proper growth stage as specified in the rate charts.

Do not apply to grasses under stress, such as stress due to lack of moisture, herbicide injury, mechanical injury, or cold temperatures, as unsatisfactory control will probably result.

All Poast S applications to control volunteer cereals (barley, corn, oats, rye, wheat) should be made prior to tillering.

Poast S is not recommended for spring control of volunteer cereals that emerged the previous fall.

Cultivation Information

Do not cultivate within 5 days prior to application of Poast S or within 7 days following application.

A timely cultivation after 7 days may aid in providing season-long control. For control of quackgrass, a cultivation of 14-21 days after an initial or sequential application will aid in control.

In irrigated areas, it may be necessary to irrigate prior to treatment to

Table 1

Desired Spray Solution Volume	Amount to be Added to Obtain a 1% Solution		
	Poast S	Oil Concentrate	Dash
1 gallon	1 1/4 fl. oz*	1 1/4 fl. oz*	1 1/4 fl. oz*
25 gallons	1 quart	1 quart	1 quart
50 gallons	2 quarts	2 quarts	2 quarts
100 gallons	4 quarts	4 quarts	4 quarts

* 2 tablespoons = 1 fl. oz.

ensure that weeds are growing actively.

Ground Application

Spray Volume: Under most conditions, a spray volume of 10 gallons per acre is optimal. A minimum volume of 5 gallons and maximum volume of 20 gallons of spray solution per acre for broadcast application may be used.

Spray Pressure: When using standard high pressure hollow cone or flat fan nozzles, adjust pressure to a minimum of 40 psi and a maximum of 60 psi measured at the nozzle.

Nozzle Selection: Thorough spray coverage of grass foliage is essential. For broadcast application use standard high pressure pesticide nozzles. Do not use flood or whirl chamber nozzles. Application of Poast S herbicide with control drop applicator (CDA) nozzles is not recommended due to erratic coverage which causes inconsistent weed control.

Boom Height: Always adjust spray pressure, spray volume, and height of spray boom to ensure penetration of plant canopy and thorough coverage of grasses to be controlled. When tall weeds such as volunteer corn are to be controlled, the boom should be high enough to cover the entire plant. Refer to the nozzle manufacturer's directions for recommended height.

Band Application: Banding of Poast S may be used to control annual grasses. Grasses that are not covered or only partly covered by the spray mixture will not be adequately controlled. When treating taller weeds such as volunteer corn, the spray boom must be high enough to thoroughly cover the top leaves and whorls of the plant. All recommendations are on a broadcast basis unless otherwise stated. When banding, rates of Poast S, additives, and water should be reduced in proportion to the area sprayed. Banding is not recommended for perennial grasses.

Tall Crop Application: When a crop such as soybeans is 24 inches or taller and the grasses may be

below the crop canopy, drop nozzles should be used to ensure good coverage of the grass species. Good coverage is essential for maximum control.

Air Application

Special Directions: Do not apply Poast S by aircraft when wind is blowing more than 10 mph. Coarse sprays (large droplets) are less likely to drift. Applicator must follow the most restrictive use cautions to avoid drift hazards, including those found in this labeling as well as applicable state and local regulations and ordinances.

Spray Volume: Thorough spray coverage of grass foliage is essential. Use a minimum of 5 gallons of water per acre. Increase water volume to 10 gallons per acre if grass foliage and/or crop canopy is dense.

Spray Pressure: Spray pressure should not exceed 40 psi pressure.

Nozzle Selection: Use only diaphragm nozzles producing cone or fan spray patterns.

Boom Height: Do not exceed a maximum height of 10 feet above the crop.

Nozzle Orientation: Nozzles must be oriented so as to discharge with the air stream (opposite the direction of travel of the aircraft) at approximately a 45° angle downward. Nozzles must not be located farther out than three-fourths the distance from the center of the aircraft to the end of the wing or rotor.

Spot or Small Area Treatment
When using knapsack sprayers or high-volume spray equipment utilizing hand guns or other suitable nozzle arrangements, prepare a 1% solution of Poast S in water unless otherwise specified under specific crops. Dash® spray adjuvant or a recommended oil concentrate must also be used at a concentration of 1% for Dash and oil concentrate (see Table 1).

In soybeans, spot or small treatments should not exceed 1/10 of an acre in size, and no more than 10% of any given acre should be treated. (See Table 2 for details.)

Apply to foliage of grasses on a spray-to-wet basis. Spray coverage should be uniform and complete. Do not spray to point of runoff. Prepare the desired volume of spray solution by mixing the amount of Poast S and the amount of Dash or oil concentrate in water according to the table.

**Additives
Addition of Dash or Oil Concentrate**

Dash may be substituted for an oil concentrate with some exceptions. In some tank mixes, Dash is not recommended (see Table 6). A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) or Dash 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 (see page 6), 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 Concentrates.

Addition of Urea Ammonium Nitrate Solution (UAN) or Ammonium Sulfate (AMS)
Addition of UAN Solution or AMS is recommended for enhanced activity on certain grass species. UAN solution is commonly referred to as 28%, 30%, or 32% nitrogen and is a water solution of urea and ammonium nitrate. When ammonium sulfate is used, three quarts of liquid ammonium sulfate (8-8-0 analysis) may be substituted for 2½ lbs. solid ammonium sulfate.

In some areas, use of a nitrogen additive has improved control of rhizome johnsongrass. Consult your local BASF representative for recommendations for your area. Because most nitrogen solutions are mildly corrosive to galvanized, mild steel, and brass spray equipment, rinse the entire spray system with water soon after use.

It is important to use high quality ammonium sulfate to avoid plug-

ging of spray nozzles. The ammonium sulfate must be readily soluble in water and contain no insoluble materials. Local sources of high quality fine feed grade ammonium sulfate may be better than fertilizer grade. 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 ½ cup of ammonium sulfate to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, pre-dissolve the ammonium sulfate in water and filter prior to addition to the spray tank. If ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet lines. Ensure that ammonium sulfate is completely dissolved before adding other products.

Rate of Additives per Acre

Additive	Ground Application	Air Application
UAN Solution	½-1 gallon	½ gallon
Ammonium Sulfate	2½ pounds	2½ pounds
Oil Concentrate	1 quart	1 quart
Dash	1 quart	1 quart

Mixing/Spraying

Fill tank of a thoroughly clean sprayer one-half to two-thirds full with clean water. Start agitation and add UAN or ammonium sulfate first. Next, add Dash or oil concentrate; allow to mix thoroughly. Add Poast S herbicide and remaining volume of water. Apply Poast S 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 3½ cups (800 ml) of water. For 10 gallons per acre spray volume, use 1¾ cups (400 ml) of water. For 5 gallons per acre spray volume, use ¾ 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 adding component:**
 - a) Water miscible or soluble products (such as Basagran® herbicide, Blazer® herbicide, ammonium sulfate, UAN solution) when applicable.
 - b) Dash or oil concentrate.
 - c) Poast S (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.

Procedure for Cleaning Spray Equipment

Clean sprayer thoroughly before applying Poast S, particularly if a herbicide with the potential to injure crops was used.

Consult the label of previously used herbicides for cleaning instructions. If no instructions are available, the steps listed below are suggested for cleaning spray equipment before or following applications of Poast S.

- 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 dishwashing 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.

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 tankfuls of water.

General Restrictions and Limitations

Do not apply to grasses under stress such as stress due to lack of moisture, herbicide injury, mechanical injury or cold temperatures, as unsatisfactory control will probably result.

Do not apply if rainfall is expected within one hour following application as grass control will probably be unsatisfactory.

Do not make spot treatments in addition to broadcast or band treatments.

PHYSICAL INCOMPATIBILITY, REDUCED WEED CONTROL, OR CROP INJURY MAY RESULT FROM MIXING POAST 8 WITH PESTICIDES (Fungicides, Herbicides, Insecticides, or Miticides), ADDITIVES, OR FERTILIZERS. BASF DOES NOT RECOMMEND THE USE OF POAST 8 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 COMBINATIONS OTHER THAN THOSE RECOMMENDED BY BASF. DO NOT APPLY POAST 8 IN COMBINATION WITH OTHER PESTICIDES WHOSE LABELS CAUTION AGAINST THEIR USE IN COMBI-

NATION WITH OIL ADJUVANTS.

Do not apply Poast 8 as a preplant or preemergent treatment prior to corn, milo, millet, or sorghum.

Do not apply through any type of irrigation system.

Do not tank mix Poast 8 with Classic® or Soepter® herbicides. Classic may cause antagonism when sprayed from 7 days prior to application, to 1 day after application of Poast 8. This antagonism is more likely to occur in grasses under stress conditions.

Other Spray Equipment: Do not use selective application equipment such as recirculating sprayers, wiper applicators, or shielded applicators.

**Table 2
Restrictions and Limitations for Poast 8**

Crop	Minimum Time From Application to Harvest (days)	Maximum Rate Per Acre Per Application (pints)	Maximum Rate Per Acre Per Season (pints)	Livestock Grazing or Feeding	Aircraft Application	Comments
Peanuts	40	2	2 1/2	No*	Yes	
Soybeans	75	2	5	Only seed and hay	Yes	See tank mix section for use with Basagran, Blazer, or 2,4DB (See Table 6). Burndown application: Poast 8 may be applied before, during and after planting (See Table 7). Spot or small treatments should not exceed 1/10 of an acre in size, and no more than 10% of any given acre should be treated. Do not make more than one spot or small treatment in the same area within the same growing season. Do not apply both broadcast and spot or small treatments to the same area within the same season.

* Processed meal may be fed from peanuts or soybeans.

Soybean and Peanut Application

Directions For Use

- Apply to actively growing grasses at the sizes indicated.
- Always follow recommendations given in Application Information section (page 5).
- Always adjust spray pressure, spray volume, and height of spray boom to ensure penetration of plant canopy and thorough coverage of grasses to be controlled.
- Do not apply to drought-stressed grass or grass that has gone through an extended dry period.
- In irrigated areas, it may be necessary to irrigate prior to treatment with Poast® herbicide to ensure that weeds are growing actively.
- Labeled crops at all stages of growth are tolerant to Poast 8.
- Always add 1 quart Dash® spray adjuvant or oil concentrate per acre.
- For maximum use rate and minimum time from last application to harvest, consult Table 2.

**Table 3
Annual Grasses**

Rate and Maximum Height at Application						
Grass	Special Early		Standard		Rescue***	
	Max. Ht. (inches)	Rate Per Acre (pints)	Max. Ht. (inches)	Rate Per Acre (pints)	Max. Ht. (inches)	Rate Per Acre (pints)
Barnyardgrass	4	3/4	8	1	12	1 1/2
Crabgrass, Large	—	—	8	1	8	1 1/2
Smooth	—	—	8	1	8	1 1/2
Cupgrass, Woolly	—	—	8	1	—	—
Foxtail, Giant	4	3/4	8	1	16	1 1/2
Green	4	3/4	8	1	16	1 1/2
Yellow	—	—	8	1	16	1 1/2
Goosegrass	3	3/4	6	1	8	1 1/2
Itchgrass	—	—	4	2	—	—
Johnsongrass (seedling)	—	—	8	1	16	1 1/2
Junglerice	—	—	8	1	—	—
Millet, Wild Proso	10	1/2	10	1/2	24	1
Oats, Wild	—	—	4	1	—	—
Panicum, Browntop	—	—	8	1	—	—
Fall	4	3/4	8	1	12	1 1/2
Texas	4	3/4	8	1	12	1
Red Rice	—	—	4	2	—	—
Ryegrass, Annual	—	—	8	1	—	—
Sandbur, Field	—	—	3	1 1/4	—	—
Shattercane/Midcane	—	—	18	1	—	—
Signalgrass, Broadleaf	4	3/4	8	1	12	1 1/2
Sprangletop	—	—	8	1	—	—
Volunteer [™] Barley	—	—	4	1 1/2	—	—
Corn	12	3/4	20	1	—	—
Oats	—	—	4	1 1/2	—	—
Rye	—	—	4	1 1/2	—	—
Wheat	—	—	4	1 1/2	—	—
Witchgrass	—	—	8	1	—	—

* In the following states, use 1 pint: NC, SC.
 ** See page 5 Application Information on volunteer cereals.
 *** Rescue Treatment for Controlling Selected Annual Grasses
 For best results, always apply Poast S to annual grasses at the growth stage as specified in the above table (Annual Grasses — Standard Recommendations). However, if Poast S cannot be applied at the recommended time, larger annual grasses can be controlled with a later application by increasing the rate of Poast S. Apply to actively growing grasses at the rates and sizes indicated above.
 For crabgrass and all volunteer cereals, the addition of 1/2-1 gallon of UAN or 2 1/2 pounds of AMS is recommended.

**Table 4
Perennial Grasses**

Rate and Maximum Height at Application				
Grass	Standard Initial Application		Sequential Application	
	Maximum Height (inches)	Rate Per Acre (pints)	Maximum Height (inches)	Rate Per Acre (pints)
Bermudagrass	6" stolon	1 1/2	4" stolon	1
Johnsongrass (Rhizome)	25	1	12	1
Johnsongrass (No-Till)	20	1	12	1
Muhly, Wirestem	6	1 1/4	6	1 1/4
Quackgrass	8	1 1/2	8	1

For quackgrass control, the addition of 1/2-1 gallon of UAN or 2 1/2 pounds of AMS is recommended.

Soybean Tank Mix or Sequential Application

General Information
 Poast® S, Blazer® (or Blazer S), and Basagran® herbicides may be tank mixed for postemergence control of broadleaf and grass weeds. Weeds must be actively growing and at the recommended growth stages.

Separate applications should be made if: a) all weeds to be controlled are not at the correct growth stage for treatment at the same time, or b) grasses to be controlled include rhizome johnsongrass, quackgrass, bermudagrass, wirestem muhly, volunteer corn, shattercane, volunteer cereals, wild oats, red rice or itchgrass. (See Table 5).

Ground Application
 For the tank mixes of Poast S, use 20 gallons of total spray solution per acre (broadcast basis) and a minimum of 40 psi pressure. Use standard high pressure, hollow cone, or flat fan nozzles spaced 20 inches apart. Do not use flood or whirl chamber nozzles.

Air Application
Poast S + Basagran
 Use a minimum of 5 gallons of total spray solution per acre.
Poast S + Blazer
 Use a minimum of 10 gallons of total spray solution per acre.
Poast S + Basagran + Blazer

Use a minimum of 10 gallons of total spray solution per acre.

- Mixing**
 Fill spray tank half full with water, and add the recommended amount of product in the following order:
- A) **Poast S + Basagran**
 Add Basagran, UAN or ammonium sulfate, Deeh® spray adjuvant or oil concentrate, and Poast S while the agitator is running. Add the remaining quantity of water.
 - B) **Poast S + Basagran + Blazer**
 Add Basagran, Blazer, oil concentrate, and Poast S while the agitator is running. Add the remaining quantity of water.
 - C) **Poast S + Blazer**
 Add Blazer, oil concentrate, and Poast S while the agitator is running. Add the remaining quantity of water.
 - D) **Poast S + Storm**
 Add Storm, oil concentrate, and Poast S while the agitator is running. Add the remaining quantity of water.

Restrictions and Limitations (partial list)
 Read and follow the Restrictions and Limitations on the labels for Poast® S, Basagran®, Blazer® and Storm® herbicides. The most restrictive labeling applies in tank mixes.
 Do not add UAN solution or ammo-

num sulfate to a tank mix of Poast S + Basagran + Blazer + oil concentrate.

Only one application of the tank mix of Storm plus Poast S should be made per acre per season. Do not apply a tank mix of Storm plus Poast S to soybeans that show injury, leaf phytotoxicity, or other prior herbicide applications because the injury may be enhanced or prolonged. Do not use treated plants for feed or forage.

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

Crop Rotation Restriction
 Root crops (such as carrots, turnips, sweet potatoes, etc.) must not be planted in fields treated with a tank mix of Storm plus Poast S for 18 months following treatment. Do not apply more than 2 pints of Basagran or 1 pint of Blazer following an application of a tank mix of Storm plus Poast S. Do not apply more than 1.5 pints of Storm following an application of Conclude.

Do not apply sequential applications of Blazer, Basagran, or Poast Plus® within 15 days following the application of a tank mix of Storm plus Poast S. After application of a tank mix of Storm plus Poast S, do not apply more than 3.5 pints of Poast S per acre, per season.

Table 5
Poast S Tank Mix Combinations (Rates per Acre in Pints)

Basagran (1-2 pints per acre) + Poast S			Blazer (1/2-1 pint per acre) + Poast S		Basagran + Blazer + Poast S		Storm + Poast S	
Grass	Max. Ht. (inches)	Poast S	Max. Ht. (inches)	Poast S	Max. Ht. (inches)	Poast S	Max. Ht. (inches)	Poast S
Barnyardgrass	8	1 1/2	8	1 1/2	8	1 1/2	4	1 1/2
Crabgrass, Large	6	1 1/2	6	1 1/2	6	1 1/2	4	1 1/2
Smooth	6	1 1/2	6	1 1/2	6	1 1/2	4	1 1/2
Cupgrass, Woolly	8	1 1/2	8	1 1/2	8	1 1/2	4	1 1/2
Foxtail, Giant	8	1 1/2	8	1 1/2	8	1 1/2	4	1 1/2
Green	8	1 1/2	8	1 1/2	8	1 1/2	4	1 1/2
Yellow	8	1 1/2	8	1 1/2	8	1 1/2	4	1 1/2
Goosegrass	6	1 1/2	6	1 1/2	6	1 1/2	4	1 1/2
Johnsongrass (seedling)	8	1 1/2	8	1 1/2	8	1 1/2	4	1 1/2
Jungle rice	8	1 1/2	8	1 1/2	8	1 1/2	4	1 1/2
Millet, Wild Proso	10	3/4	10	3/4	10	3/4	—	—
Panicum, Fall	—	—	8	1 1/2	8	1	4	1 1/2
Texas	8	1	8	1 1/2	8	1 1/2	4	1 1/2
Signalgrass, Broadleaf	8	1 1/2	8	1 1/2	8	1 1/2	4	1 1/2
Sprangletop, Red	8	1 1/2	8	1 1/2	8	1 1/2	4	1 1/2
Volunteer, Corn	12	1	—	—	—	—	—	—
Witchgrass	8	1	8	1 1/2	8	1 1/2	4	1 1/2
Additive Rate Per Acre: Deeh 2 pints + UAN 1/2-1 gallon or Oil Concentrate 2 pints + UAN 1/2-1 gallon			Additive Rate Per Acre: Oil Concentrate 2 pints		Additive Rate Per Acre: Oil Concentrate 2 pints		Additive Rate Per Acre: Oil Concentrate 2 pints	

Soybeans—Separate Applications of Poast S, Preceded or Followed by Basagran or Basagran + Blazer Tank Mix*

Applications of Poast S can be preceded or followed by Basagran and/or Blazer (or Blazer S) to obtain broad spectrum control of weeds listed on the respective product labels (refer to this label and the labels for Basagran and Blazer). Also refer to these product labels for timing, rate and other information for ground and aerial applications. For best results when making separate applications, a minimum period of time is recommended between applications, depending upon their order according to Table 6.

**Table 6
Sequential Applications**

Order of Application		Minimum Time Between Applications
First Product(s) Applied	Second Product(s) Applied	
Basagran	Poast S	24 hours
Basagran + Blazer	Poast S	7 days
Poast S	Blazer or Basagran or Blazer + Basagran	24 hours
Blazer	Poast S	7 days

Poast S Burndown

Poast S + 2,4-D Low Volatile Ester (LVE) for use as a burndown prior to planting soybeans.

Selection of 2,4-D (LVE) Formulation

Use only low volatile ester formulations of 2,4-D such as 2,4-D isooctyl ester. Note that the recommended rate of 2,4-D (LVE) is calculated on an acid equivalent (a. e.) basis. Make adjustments for the concentration of 2,4-D (LVE) formulation used. Because the exact composition of suitable products will vary, it is advised to conduct the Jar Test for Estimating Suitability of Oil Concentrates and 2,4-D (LVE) formulation used.

Restrictions and Limitations (partial list)

Do not plant soybeans until 7 days after treatment when using up to 0.5 lb. a.e. per acre 2,4-D (LVE) or until 30 days after treatment when using up to 1.0 lb. a.e. per acre 2,4-D (LVE).

Make only one application of this tank mix per growing season.

Do not feed hay, forage, or fodder. Restrict livestock from grazing treated fields.

Do not allow livestock to graze treated cover crops.

Do not apply if rainfall is expected within 6 hours following application as weed control will probably be unsatisfactory.

Because all crops such as sorghum, corn, small grains, cotton, soybeans, trees, shrubs, as well as ornamental grasses such as

turf are extremely susceptible to Poast S plus 2,4-D (LVE) tank mix, avoid all direct or indirect post-emergence contact with any desired plant.

Do not spray if the wind is blowing toward desired sensitive plants, or at anytime when the wind exceeds 6 mph (refer to 2,4-D (LVE) label).

Observe all restrictions and limitations specified on labels for 2,4-D (LVE) and Poast S. The most restrictive labeling applies in tank mixes.

This tank mix does not control sedges or provide season-long control of hard-to-kill perennial weeds.

Do not apply this tank mix during or following planting or after soybean emergence; severe soybean injury will result.

**Table 7
Poast S Burndown* Crops: Soybeans**

Rate and Maximum Height at Application			
Weed Species	Maximum Height (inches)	Poast S** Rate Per Acre (pints)	2,4-D*** a.e. Per Acre (pounds)
Barnyardgrass	3	1/2	1/2 to 1
Crabgrass, Large Smooth			
Cupgrass, Woolly			
Foxtail, Giant Green Yellow			
Johnsongrass, (Seedling)			
Millet, Wild Proso	4		
Panicum, Fall	3		
Signalgrass, Broadleaf			
Witchgrass			

* For annual grasses only — Poast S may be applied before, during, or after planting in accordance with the Directions For Use. Apply to actively growing grasses up to the maximum indicated in the rate table for field crops.
 ** Always add Dash® Spray Adjuvant at 1 pint per acre or oil concentrate.
 *** See 2,4-D label for specific broadleaf weed information.

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 end/or tank mix sections.

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.

Grass

Common Name	Scientific Name
Barnyardgrass	<i>Echinochloa crusgali</i>
Bermudagrass	<i>Cynodon dactylon</i>
Crabgrass, Large	<i>Digitaria sanguinalis</i>
Smooth	<i>Digitaria ischaemum</i>
Cupgrass, Woolly	<i>Eriochloa villosa</i>
Fescue, Tall	<i>Festuca arundinacea</i>
Forstall, Giant	<i>Setaria faberii</i>
Green	<i>Setaria viridis</i>
Yellow	<i>Setaria glauca</i>
Goosegrass	<i>Elymus indica</i>
Itchgrass	<i>Rottboellia exaltata</i>
Johnsongrass	<i>Sorghum halepense</i>
Jungle rice	<i>Echinochloa colonum</i>
Millet, Wild Proso	<i>Panicum miliaceum</i>
Muhly, Wirestem	<i>Muhlenbergia frondosa</i>
Oats, Wild	<i>Avena fatua</i>
Panicum, Browntop	<i>Panicum fasciculatum</i>
Fall	<i>Panicum dichotomiflorum</i>
Texas	<i>Panicum texanum</i>
Quackgrass	<i>Agropyron repens</i>
Red Rice	<i>Oryza sativa</i>
Ryegrass, Annual	<i>Lolium multiflorum</i>
Sandbur, Field	<i>Cenchrus incertus</i>
Shattercane/Wildcane	<i>Sorghum bicolor</i>
Signalgrass, Broadleaf	<i>Bracharia platyphylla</i>
Sprangletop, Red	<i>Leptochloa filiformis</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>
Witchgrass	<i>Panicum capillare</i>

Post and *Basagran* are registered trademarks of BASF AG.

Blazer, *Dash*, *Post Plus*, and *Storm* are registered trademarks of BASF Corp.

Classic is a registered trademark of E. I. DuPont de Nemours and Company.

Scepter is a registered trademark of American Cyanamid Chemical Co.

© 1994 BASF Corporation

PO --- JJ9042 A1301093

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



18 9 21

APR 20 1994

Ms. Charlotte A. Sanson
BASF Corporation
Agricultural Products
P.O. Box 13528
Research Triangle Park, NC 27709

Dear Ms. Sanson:

Subject: Poast Herbicide (Add Counties Of Indiana To Poast/Storm On Soybeans)
EPA Registration No. 7969-58
Your Application Dated January 12, 1994

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

Sincerely,

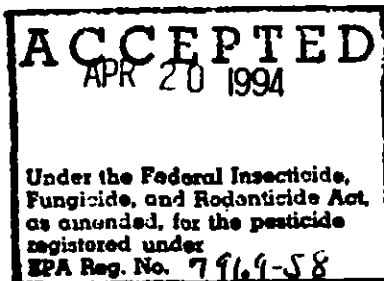
Robert J. Taylor
Product Manager 25
Fungicide-Herbicide Branch
Registration Division (H7505)

UKW

Supplemental Labeling

Poast[®]

herbicide



RT: 12-29-93

Tank mix with Storm[®] herbicide for postemergence use in soybeans

Poast EPA Reg. No 7969-58

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

Directions For Use

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

General Information

A tank mix of Poast[®] herbicide plus Storm[®] herbicide is intended for the early postemergence control of a wide spectrum of broadleaf weeds and annual grasses in soybeans (See Table 1).

General Use Area

Use only in the following areas: Arkansas, Kentucky, Indiana (Only in Crawford, Daviess, Dubois, Gibson, Knox, Martin, Perry, Pike, Posey, Spencer, Vanderburgh, and Warrick counties), Louisiana, Michigan, Mississippi, Missouri (boothel counties of Butler, Dunkin, Mississippi, New Madrid, Pemiscott, Ripley, Scott, and Stoddard), and Tennessee.

Storage and Disposal

Keep from freezing. Store above 32°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 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.

Mode of Action:

A tank mix of Poast plus Storm 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 A tank mix of Poast plus Storm at all stages of growth. Leaf speckling may occur but plants generally outgrow this condition within 10 days.

Cultivation:

Do not cultivate before application or within five days after application of the tank mix of Poast plus Storm. Cultivation may put weeds under stress and reduce control obtained. A timely cultivation 2-3 weeks after applying the tank mix of Poast plus Storm may assist weed control in soybeans grown in rows more than 10 inches apart.

Application Rate and Timing

Apply the tank mix of Poast plus Storm at the rate of 1.5 pints each per acre at early postemergence when weeds are small and actively growing (generally when soybeans

are in the 2nd to 3rd trifoliate leaf stage of growth). Add oil concentrate at a rate of 1 pint per acre. Under excessively dry, wet, or cold conditions, which may reduce herbicidal activity, add oil concentrate at the rate of 2 pints per acre.

Mixing

Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation and add the recommended amounts of product in the following order: Storm, oil concentrate, and Poast. Then add the remaining quantity of water. Maintain constant agitation during application. After mixing, spray within 48 hours.

Ground Application

Use a minimum of 10-20 gallons 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 pesticide hollow cone or flat fan nozzles spaced 18-20 inches apart. Do not use flood, whirl chamber, or controlled droplet applicator 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: 6-10 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) and not more than 20° downwind.

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 the tank mix of Poast plus Storm by aircraft when wind is blowing at a velocity above 10 mph. Coarse sprays (larger droplets) are less likely to drift.
 Do not apply the tank mix of Poast plus Storm by air if ornamental or sensitive nontarget crops such as cotton, sugar beets, sunflowers, or okra are within 200 feet downwind. 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 the tank mix of Poast plus Storm, particularly if a herbicide with the potential to injure crops was previously 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 the tank mix of Poast plus Storm.

- 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 two tankfuls of water.

Table 1: Maximum Weed Heights Controlled by Tank Mixing Poast (1.5 pints per acre) and Storm (1.5 pints per acre) with Crop Oil Concentrate (1 pint per acre)

Broadleaves:	Max. Weed Height	Grasses:	Max. Weed Height	Perennials: (top growth suppression)	Max. Weed Height
Bristly Starbur	3"	Barnyardgrass	4"	Canada Thistle	6"
Carpetweed	2"	Broadleaf Signalgrass	4"	Johnsongrass (Rhizome)	4"
Cocklebur	6"	Crabgrass, Large	4"	Yellow Nutsedge	4"
Common Lambsquarters*	2"	Crabgrass, Smooth	4"		
Common Ragweed	3"	Foxtail, Giant	4"		
Crotalaria	6"	Foxtail, Green	4"		
Croton, Tropic	<2"	Foxtail, Yellow	4"		
Woolly	<2"	Goosegrass	4"		
Giant Ragweed	6"	Johnsongrass (seedling)	4"		
Jimsonweed	6"	Junglegrass	4"		
Ladysthumb	6"	Panicum, Browntop	4"		
Morningglories	2"	Panicum, Fall	4"		
Nightshade, Black	2"	Panicum, Texas	4"		
Pigweed, Redroot	2"	Red Spangletop	4"		
Smooth	3"	Witchgrass	4"		
Pinkish Sida/Teaweed*	2"	Woolly Cupgrass	4"		
Red	3"				
Sesbania	6"				
Smartweed, Pennsylvania	4"				
Spurred Anoda*	2"				
Teasweed	3"				
Velvetleaf*	2"				
Verice Mallow	2"				
Wild Mustard	4"				

For new germination or perennial regrowth, follow up no sooner than 15 days later with Basagran, Poast Plus, Storm, or Blazer. Refer to the respective labels for Directions For Use.
 * Control may be inconsistent. A later application of Basagran may be necessary. (See Basagran label.)

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 tank mixes.

Only one application of the tank mix of Poast plus Storm per acre per season should be made.

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 weed control could result.

Do not apply if rainfall or irrigation is expected soon after application.

Physical incompatibility, reduced weed control, or crop injury may result from mixing the tank mix of Poast plus Storm 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 Storm 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 BASF recommended combinations.

Do not apply a tank mix of Poast plus Storm to soybeans that show injury, leaf phytotoxicity, and/or other prior herbicide applications because this injury may be enhanced or prolonged.

Do not apply a tank mix of Poast plus Storm through any type of irrigation system.

Do not apply to soybeans within 75 days of harvest.

Do not use treated plants for feed or forage.

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

Crop rotation restriction: Root crops (such as carrots, turnips, sweet potatoes, etc.) must not be planted in field treated with a tank mix of Poast plus Storm for 18 months following treatment.

Do not apply more than 2 pints of Basagran or 1 pint of Blazer following an application of a tank mix of Poast plus Storm.

Do not apply more than 1.5 pints of Storm following an application of Conclude.

Do not apply sequential applications of Blazer, Basagran, or Poast Plus within 15 days following the application of a tank mix of Poast plus Storm.

After application of a tank mix of Poast plus Storm, do not apply more than 3.5 pints of Poast per acre, per season.

Do not use selective application equipment such as recirculating sprayers, wiper applicators, or shielded applicators when applying a tank mix of Poast plus Storm.

Conditions of Sale and Warranty

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

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

Basagran is a registered trademark of BASF AG.

Poast Plus, Conclude B, and Conclude G are trademarks of BASF Corporation.

Storm and Blazer are registered trademarks of BASF Corporation.

© 1994 BASF Corporation

XX ----- JJ9012 A1231093

BASF Corporation

PO. Box 13528

Research Triangle Park, NC 27709

BASF