Supplemental Labeling

RT 8-18-95
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Poast®
herbicide

For use on SR™ sethoxydim-resistant field corn hybrids

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.

Environmental Hazards
For terrestrial uses, do not apply directly to water, 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.

General Information
Poast® 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** 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 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**; therefore, avoid all direct or indirect contact with any grass crop.

Control Symptoms: Poast 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** 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 ¾ 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 will not be adequately controlled. All recommendations are on a broadcast basis. When banding, rates of **Poast**, 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** or within 7 days following application. A timely cultivation after 7 days may aid in providing season-long control.

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

Agricultural Products

BASF

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: 1.25% v/v (2 pints per acre maximum).
Dash HC: use 0.625% v/v (1 pint per acre maximum).

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** and remaining volume of water. Apply **Poast** 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 1/3 cups (800 ml) of water. For 10 gallons per acre spray volume, use 1 2/3 cups (400 ml) of water. For 5 gallons per acre spray volume, use 5/6 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** (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.

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

Grass	Rate and Maximum Height at Application							
	Special Early		Standard		Rescue**		Additive Rate Per Acre	
	Max. Ht. (inches)	Rate Per Acre (pints)	Max. Ht. (inches)	Rate Per Acre (pints)	Max. Ht. (inches)	Rate Per Acre (pints)	Dash HC	Oil Concentrate
Barnyardgrass	4	3/4*	8	1	12	1 1/2		
Crabgrass, Large	—	—	6	1	8	1 1/2		
, Smooth	—	—	6	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		
Johnsongrass (seedling)	—	—	8	1	16	1 1/2		
Junglerice	—	—	8	1	—	—	0.625% v/v (1 pint maximum)	1.25% v/v (2 pints maximum)
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		
Ryegrass, Annual	—	—	8	1	—	—		
Sandbur, Field	—	—	3	1 1/4	—	—		
Shattercane/Wildcane	—	—	18	1	—	—		
Signalgrass, Broadleaf	4	3/4	8	1	12	1 1/2		
Sprangletop	—	—	8	1	—	—		
Witchgrass	—	—	8	1	—	—		

* In the following states, use 1 pint: 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** to annual grasses at the growth stage as specified in the above table (**Annual Grasses — Standard Recommendations**). However, if **Poast** cannot be applied at the recommended time, larger annual grasses can be controlled with a later application by increasing the rate of **Poast.** Apply to actively growing grasses at the rates and sizes indicated above.
For crabgrass, the addition of 1/2-1 gallon of UAN or 2 1/2 pounds of AMS is recommended.

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

Grass	Rate and Maximum Height at Application					
	Standard Initial Application		Sequential Application		Additive Rate Per Acre	
	Maximum Height (inches)	Rate Per Acre (pints)	Maximum Height (inches)	Rate Per Acre (pints)	Dash HC	Oil Concentrate
Bermudagrass	6" stolon	1 1/2	4" stolon	1		
Johnsongrass (Rhizome)	25	1	12	1	0.625% v/v (1 pint maximum)	1.25% v/v (2 pints maximum)
Johnsongrass (No-Till)	20	1	12	1		
Muhly, Wirestem	6	1 1/2	6	1 1/2		
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.						

Restrictions and Limitations

Do not apply **Poast** to corn hybrids which are not specifically labeled as (**SR**) corn because severe crop injury will occur.

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

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

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

Do not apply more than a total of 3 pints of **Poast** per acre per crop season.

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

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

Do not apply **Poast** 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 Tank Mixes

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

Weed List	**Poast** at 1 pint 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 1/3 pints per acre	Up to 1/4 pound a.e. per acre
Cocklebur, Common	X	X	X	X
Lambsquarters, Common	X	X	X	X
Morninglories	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 0.5 pints over the top when corn is 4-5 inches tall and weeds are small. Increase rate to 1 pint as corn reaches 8 inches. Use drop nozzles or direct spray toward the base if corn is over 8 inches tall.

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® herbicide** with pesticides (fungicides, herbicides, insecticides, or miticides), additives, or fertilizers. BASF does not recommend the use of **Poast** 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** with other pesticides whose labels caution against their use with oil adjuvants.

Poast + Basagran® Tank Mix in R™ Sethoxydim-resistant Corn:

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

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

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

Storage and Disposal

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

Pesticide wastes are toxic. Improper disposal of excess pesticides, 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, 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.

Procedure for Cleaning Equipment

Attention! Clean sprayer thoroughly before and after applying Poast.

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

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.**

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 tankfuls of water.

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 the 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 EXPRESSED 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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