

OCT 1 1995

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

Poast®

herbicide

For use in field corn and sweet corn

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

This product is toxic to aquatic organisms. 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

Because essentially all grass crops such as sorghum, corn, small grains, rice, and turf are susceptible to **Poast**, avoid all direct or indirect contact with any grass crop except as specified on this labeling or other appropriate BASF labeling.

Directed spray applications of **Poast** will control annual grasses in corn. Using pre-emergence herbicides and timely cultivations will establish a height differential of corn to target grasses. Applications of **Poast** should be no higher than 10 inches up the corn stalk with corn being a minimum of 30 inches in height (see **Figure 1**).

Improper applications will result in severe injury.

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 2 days), to reddening of the foliage and to leaf tip burn. Subsequently, foliage burnback occurs. These symptoms will generally be observed within 3 weeks depending on environmental conditions.

Application Information

Spray volume and pressure:

Do not exceed 20 gallons maximum spray solution per acre with a maximum of 40 psi at the nozzle tip. Good coverage of the grass species is essential for optimum control.

Equipment setup: A rigid drop nozzle (**Figure 2**) or an extended arm sprayer (**Figures 3 and 4**) must be used to maintain a constant nozzle height above ground. Orient each nozzle so it sprays no more than 10 inches up the corn stalk and remains centered between the corn rows.

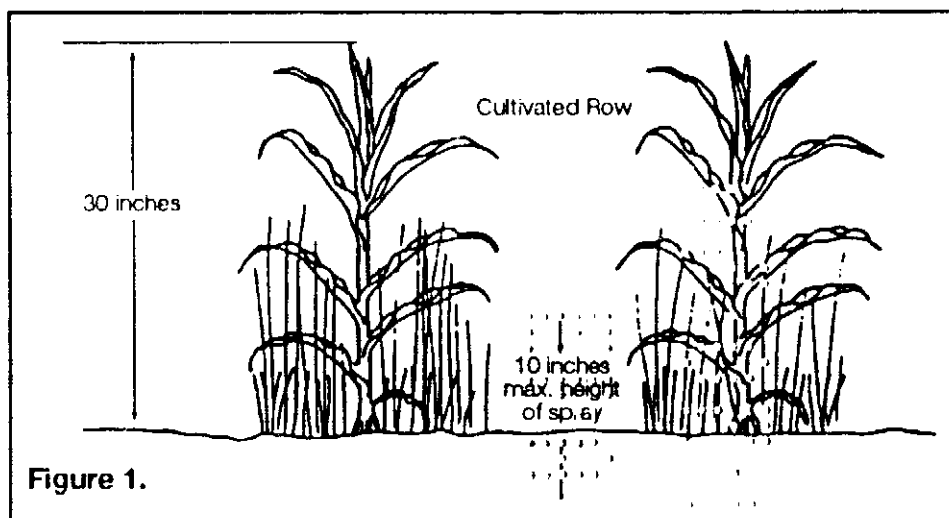
Nozzle selection: Outside nozzles should be single swivel type with 65° flat fan tips, such as **TeeJet®** 6501. Inside nozzles should be either:

- a) single 150° double outlet fan type such as **TeeJet** 15002, or
- b) Two 65° flat fan tips mounted on a double swivel (see **Figures 2 and 3**).

Boom width: Do not use a boom wider than the planter used to plant the corn. Wider booms cannot be centered accurately between the rows because of the irregular width of "skip" or "guess" rows. Do not use spray boom wider than 24 feet unless the height can be supported from the ground at the boom end.

Cultivation information

Do not cultivate within 5 days before application or 7 days after applying so as not to stress the weeds. When tank mixing with 2,4-D, follow cultivation restrictions on the 2,4-D label.



Additive

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) should always be added to the spray tank. Do not use a spray adjuvant, and do not add any type of fertilizer to the spray solution. The oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria:

- be nonphytotoxic
- contain only EPA exempt ingredients
- provide good mixing quality in the jar test (see below) and
- be successful in local experience.

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

Rate of Oil Concentrate:

Ground application - 2 pints per acre.

Jar Test for Estimating Suitability of Oil Concentrate

1. Water supply: Use water from intended source and at the source temperature.
2. Amount of water in jar: For 20 gals./A spray volume use 3½ cups (800 ml) of water. For 10 gals./A spray volume use 1½ cups (400 ml) of water. For other spray volumes, adjust proportionately to above.
3. Amount of herbicide(s) and oil concentrate to add: Add herbicide(s) and oil concentrate at the rate of 1 teaspoon (5 ml) for each pint at recommended label rate.

4. Add the components in the following sequence, gently mixing between component additions:
 - a) Water miscible products (such as 2,4-D amine when applicable).
 - b) oil concentrate
 - c) **Poast** and other emulsifiable concentrates (such as 2,4-D low volatile ester).

5. **Evaluation:** An ideal tank mix combination 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.

Mixing

Fill the tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation and add oil concentrate, allow the components to mix thoroughly. Add **Poast** and the remaining volume of water. Maintain constant agitation during application.

Restrictions and Limitations

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

DO NOT APPLY POAST OVER THE TOP OF CORN!

Do not allow contact of spray solution with the whorl of the corn plant.

Do not apply **Poast** within 30 days of harvest of corn.

Do not make more than 1 application per year.

Do not apply more than 1 pint of **Poast** per acre.

Do not substitute **Dash® HC spray adjuvant** for oil concentrate.

Do not apply by air.

Do not apply this product through any type of irrigation system.

Do not contaminate water when disposing of equipment washwaters.

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

Tank mix with 2,4-D for broadleaf weed control

If broadleaf weeds are a problem, a tank mix of **Poast** and 2,4-D (a low volatility formulation such as amine or low volatile ester) may be made. (Refer to 2,4-D label for list of weeds controlled). Include 2,4-D in the spray solution at the rate of 0.25 pounds acid equivalent per acre. (The amount of product used will vary depending on formulation.) Follow all application directions, precautions and limitations on the 2,4-D label.

Restrictions and Limitations Poast + 2,4-D tank mix (partial list)

Do not apply **Poast** plus 2,4-D if rainfall is expected within 6 hours after application.

Observe all applicable directions, restrictions and precautions on labeling of both products used in the tank mix. The most restrictive labeling applies in tank mixes.

Attention! Clean the sprayer thoroughly before and after applying **Poast**, particularly if a herbicide with the potential to injure the crop to be sprayed with **Poast** was used.

Failure to clean sprayer thoroughly after application may result in injury to any grass crop subsequently sprayed, such as corn, sorghum, small grains, rice, and turf. Fill the sprayer with clean water and add a commercial sprayer cleaner or a surfactant or adjuvant at the recommended rate on its label. Circulate the solution through the entire sprayer system. Spray approximately half of the tank solution through the hoses, booms, and nozzles to clean these parts. Drain the tank and rinse the total system thoroughly several times with clean water.

Recommendations for Grass Control in Corn - Broadcast Application

Susceptible Grasses	Maximum Height	Rate of Poast per acre
Barnyardgrass	8	1 pint
Cupgrass, Woolly	8	
Foxtail, Giant	8	
Green	8	
Johnsongrass, Seedling	8	
Millet, Wild Proso	10	
Panicum, Fall	8	
Shattercane/Wildcane	10	
Volunteer Oats	8	
Sorghum	8	
Witchgrass	8	

Add 2 pints of oil concentrate to the spray tank per acre.

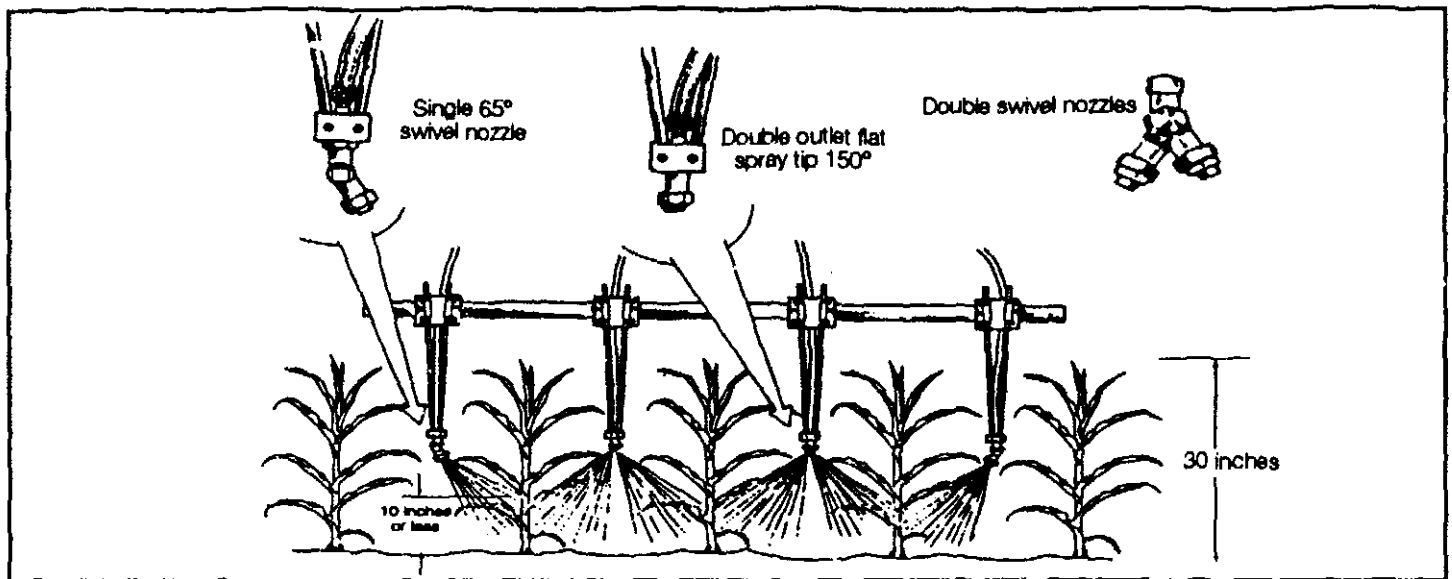


Figure 2. Rigid Drop Nozzle Sprayer

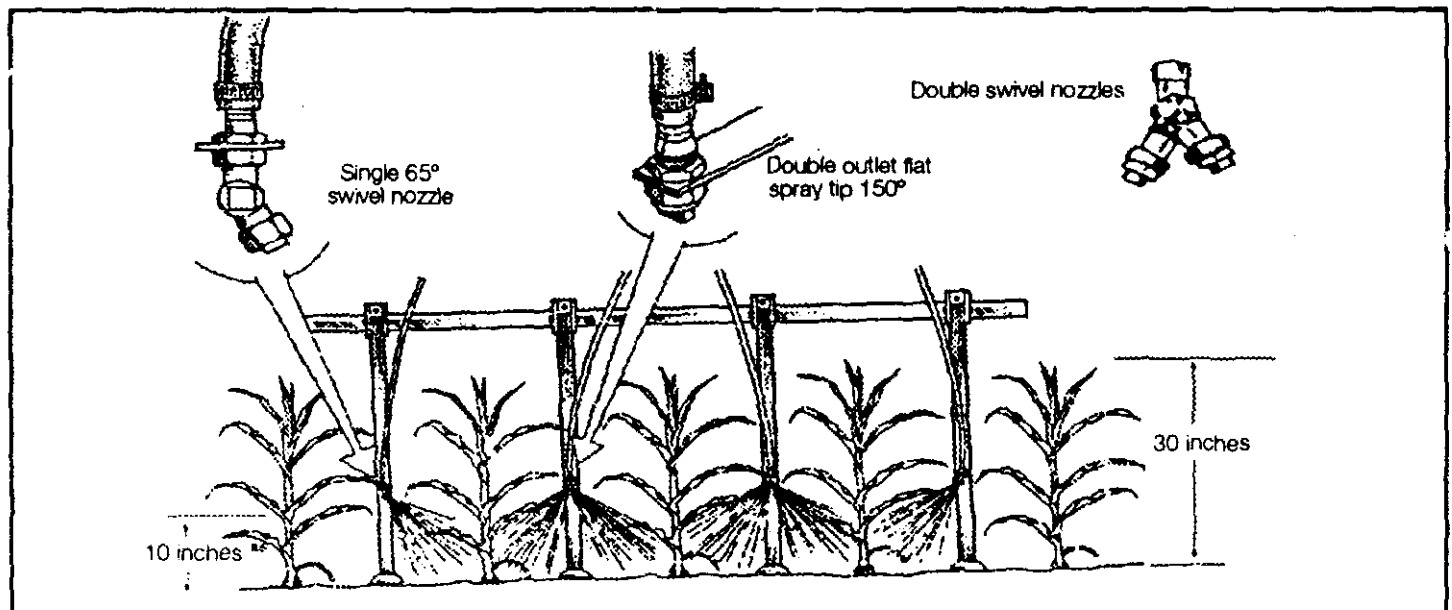


Figure 3. Extended Arm Sprayer

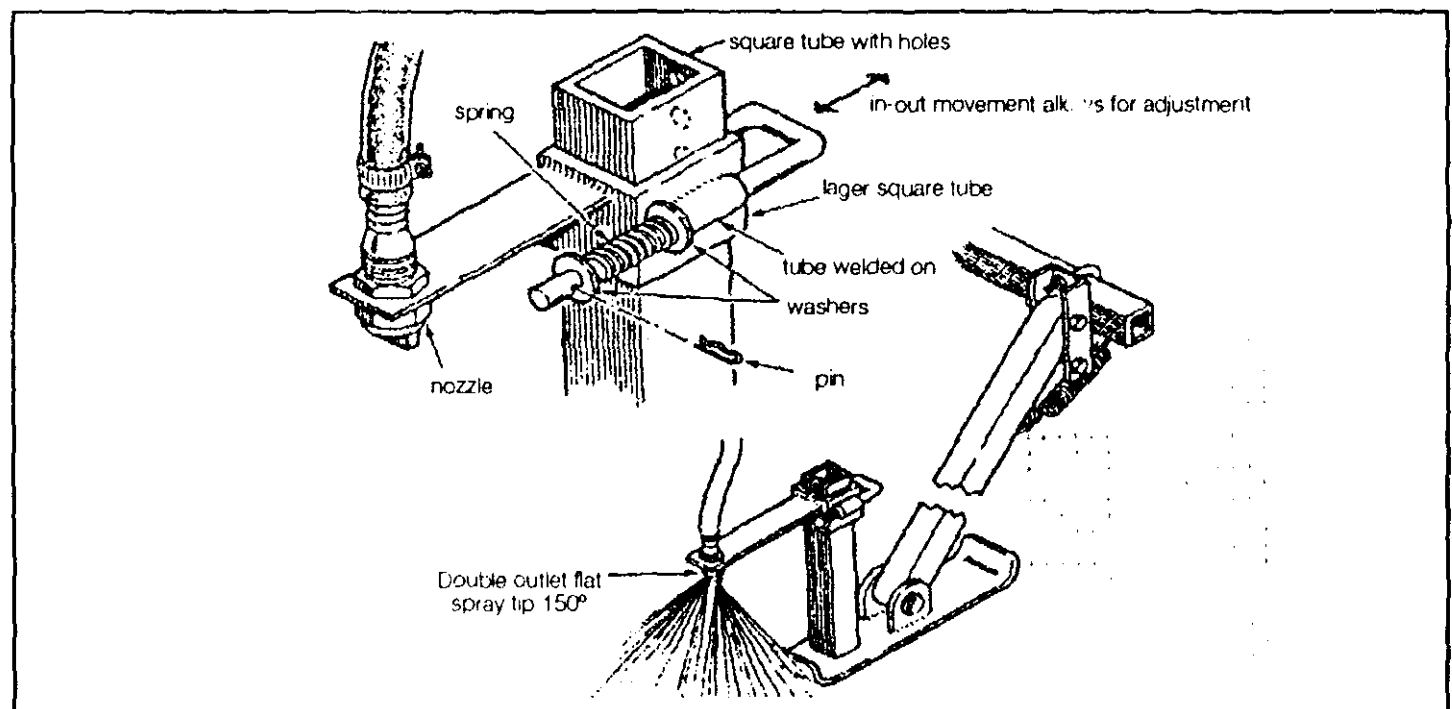


Figure 4. Extended Arm Sprayer

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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Dash is a registered trademark of BASF Corp.

TeeJet is a registered trademark of Sprayer Systems Co.

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