

Poast[®]

herbicide

10F40
PM25
7969-58

For grass control in acreage conservation reserve land.

EPA Reg. No. 7969-58

All applicable directions, restrictions, precautions and Conditions of sale and warranty or, the EPA-registered labels 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

Poast herbicide may be used to control annual grasses in conservation reserve or set-aside land.

Poast is a selective broad spectrum postemergence herbicide for control of annual and perennial grass weeds. **Poast** does not control sedges or broadleaf weeds.

Since essentially all grass crops such as sorghum, corn, small grains and rice, as well as ornamental grasses such as turf, are susceptible to **Poast**, avoid all direct or indirect contact with any desired grass plant.

Broadleaf cover crops: The growth of broadleaf cover crops such as alfalfa, clover, lespedeza, trefoils and vetches will not be affected by **Poast**. Many ornamental trees and shrubs also have a high tolerance to **Poast**. See section on container label under the heading: Nonbearing food crops, ornamental nursery and other nonfood crops.

Grass cover crops: Most seeded grass crops such as oats, sudangrass, tall fescue, orchardgrass, bromegrasses, ryegrass or timothy will be injured or killed by **Poast**. Do not use **Poast** if injury to these grass cover crops would be undesirable.

Application information

Additives: Dash[™] spray adjuvant or oil concentrate at 2 pints per acre must be used. Optionally, a nitrogen additive, UAN (Urea Ammonium Nitrate) solution or ammonium sulfate, may be added. The use of either nitrogen additive is recommended on volunteer corn, large crabgrass, wild oats and volunteer cereals. Use 1/2-1 gallon of UAN or 2 1/2 lbs. of ammonium sulfate per acre.

Spray gallonage: 5-20 gallons per acre

Application equipment: Ground or aircraft equipment.

Spray pressure: 40-60 psi measured at the nozzle.

Nozzle type: Hollow cone or fan nozzle.

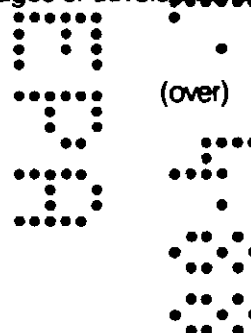
Recommendations for grass control

Apply **Poast** to actively growing grasses when they are at the proper growth stage as specified by the

Recommendations for grass control chart on the following page.

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

Applications after grass has been mowed are less effective, so for best control apply to grasses at early stages of development.



NOT REVIEWED

In Accordance with FR Notice 82-24
Based on Draft Labeling Dated 8/1/82

Group	Grass Species	Time of Application	Rate of Poast per Acre	Dash or Oil Concentrate Rate per Acre
A	Wild Proso Millet	4-10"	1/2 pt.	2 pts.
B	Barryardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglerice Ryegrass, Annual Red Sprangletop Texas Panicum Witchgrass Woolf, Cupgrass	3-8"	1 pt	2 pts.
	Goosegrass Large Crabgrass Wild Oats Smooth Crabgrass	2-4"		
	Shattercane/Wildcane	6-18"		
	Volunteer Corn	6-20"		
C	Volunteer Cereals Barley Oats Rye Wheat Poast is not recommended for spring control of volunteer cereals that emerged the previous fall.	Before tillering 2 to 6" and prior to over-wintering	1 1/2 pts	2 pts
D	Itchgrass Red Rice	Up to 4"	2 pts.	2 pts.

For broad spectrum of annual grasses in Groups A & B use 1 pint of Poast® herbicide per acre. When weed population includes grasses in Group C increase the rate of Poast as indicated. If a second flush of grasses emerges or if Poast is applied to grasses which have been cut several times which regrow, make additional applications at the same rate and recommended stage of growth

Restrictions and limitations

Do not harvest or graze cover crops other than alfalfa, (see next column) treated with Poast.

Seeded grass cover crops may be injured or killed.

Do not plant any other crop to be harvested for 120 days after application, unless Poast is registered for use in that crop.

Before using Poast, read and observe all applicable directions, restrictions and limitations on the EPA-approved label and container label booklet.

This label is intended for use only east of the Rocky Mountains and outside the high and rolling plains of Texas, Oklahoma and eastern New Mexico.

Alfalfa cover crop

Do not apply Poast within 7 days of grazing, feeding, or cutting for (undried) forage, or within 20 days of cutting alfalfa for (dry) hay.

Do not apply more than a total of 6 1/2 pints of Poast per acre in one season.

Poast may be applied to alfalfa by ground and air application equipment

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.

Poast is a registered trademark of BASF AG.

© 1988 BASF Corporation

PO 1 039 JJ6305 A0720888

BASF Corporation
Chemicals Division
100 Cherry Hill Road
Parsippany, New Jersey 07054

BASF

Poast[®]

herbicide

Poast EPA Reg. No. 7969-58

For use in potato

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.

Re-entry and workers' protection statements

Do not apply this product in such a manner as to directly or through drift expose workers or other persons, except those knowingly involved in the application. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific protective clothing until sprays have dried, and appropriate actions to take in case of accidental exposure. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "WARNING

Area treated with Poast on (date of application). Do not enter without appropriate protective clothing until sprays have dried. If contacted, flush eyes immediately with water for 15 minutes. Get medical attention.

In case of contact with skin or clothing, remove contaminated clothing, wash skin thoroughly with soap and water. Call physician if irritation occurs. Wash contaminated clothing before reuse."

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 is a selective broad spectrum postemergence herbicide for control of annual and perennial grass weeds. Poast does not control sedges or broadleaf weeds.

Since essentially all grass crops such as sorghum, corn, and small grains, as well as ornamental grasses such as turf, are susceptible to Poast, 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 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.

Application information

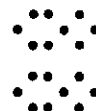
Apply Poast to actively growing grasses when they are at the proper growth stage as specified by the Recommendations for grass control.

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

Ground equipment: Thorough spray coverage of grass foliage is essential. For broadcast application use standard high pressure pesticide hollow cone or flat fan nozzles. Do not use flood or whirl chamber nozzles. Application of Poast with control drop applicator (CDA) nozzles is not recommended due to erratic coverage which causes inconsistent weed control. Use a minimum volume of 5 gallons and a maximum volume of 20 gallons of spray solution per acre. In Arizona, California, Idaho, Nevada, Oregon, Utah, Washington and Western New Mexico use a minimum of 10 gallons per acre. 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 at the nozzle.

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 use selective application equipment such as reciprocating sprayers, wiper applicators, or shielded applicators.



Cultivation information

Do not cultivate within 5 days prior to application of **Poast**® herbicide or within 7 days following application.

A timely cultivation after 7 days may aid in providing season-long control. For control of quackgrass delay cultivation until 14-21 days after application of **Poast**.

Addition of oil concentrate

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) should always be added to the spray tank. 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 below), and 4) be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers which 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**.

Rate of oil concentrate: Ground application—2 pints/acre

Jar test for estimating suitability of oil concentrates

1. **Water supply:** Use only water from intended source and at the source temperature.
2. **Amount of water in jar:**
For 20 gal./A spray volume use 3 1/2 cup (800 ml) of water.
For 10 gal./A spray volume use 1 3/4 cups (400 ml) of water.
For 5 gal./A spray volume use 3/4 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:

1) Oil concentrate.

2) **Poast**.

5. **Cap jar,** invert 10 cycles, let stand for 15 minutes, evaluate.

6. **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/spraying

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

Restrictions and limitations

Do not make applications to grasses under stress, such as stress due to lack of moisture or herbicide injury, as unsatisfactory control may result.

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

Do not mix or apply **Poast** with any other pesticide, additive, or fertilizer except as specifically recommended on this labeling.

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

Do not apply more than a total of 5 pints per acre in one season to potatoes.

Environmental hazards

Do not apply directly to water.

Do not contaminate water by cleaning of equipment or disposal of wastes.

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.

The use of this product is controlled to prevent death or harm to Solano grass 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 Offices of the U.S. Fish and Wildlife Service (Portland, Oregon) or the U.S. Environmental Protection Agency (San Francisco, California).

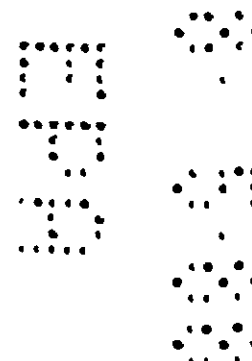
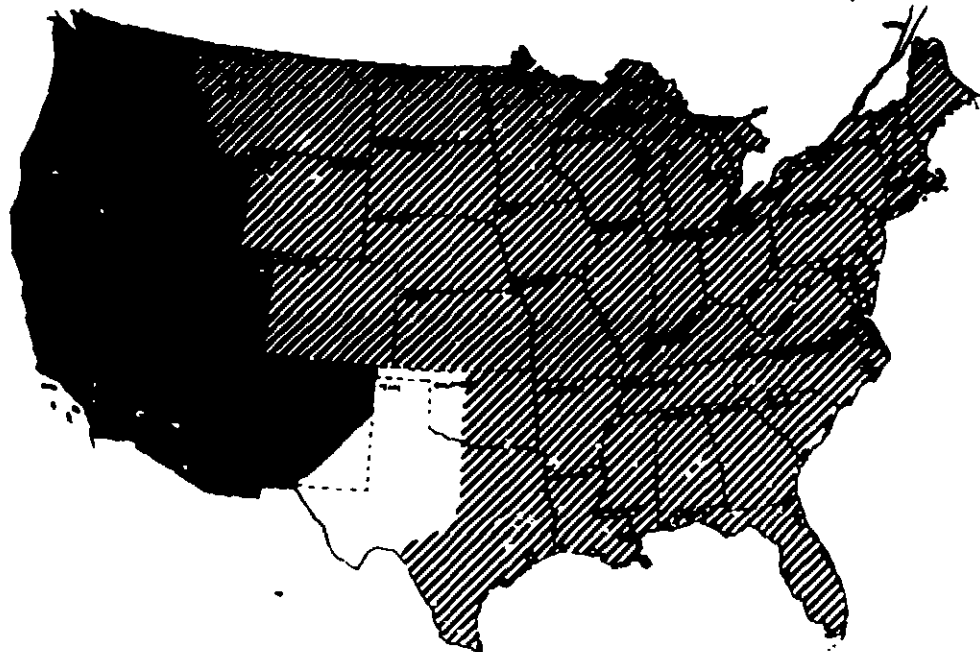
THIS BULLETIN MUST BE REVIEWED PRIOR TO PESTICIDE USE. THE USE OF THIS PRODUCT IS PROHIBITED IN THIS COUNTY UNLESS SPECIFIED OTHERWISE IN THE BULLETIN.

50F40

Regional use map

All weed control recommendations for a given crop and weed are on a regional basis. There are three regions delineated on this U.S. map. Follow recommendations for your region only.

- California, Utah, Idaho, Oregon, Washington, Arizona, Nevada and Western New Mexico.
- High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico.
- Midwest, South, Northeast and Mountain States. (All states and areas except those listed above.)



California, Arizona, Utah, Idaho, Oregon, Washington, Nevada and Western New Mexico

Recommendations for grass control

- Apply to actively growing grasses at the sizes indicated in the tables of this regional section.
- Potatoes at all stages of growth are tolerant to **Poast**® herbicide.
- Always follow recommendations given in the **Application information** section.
- 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 which has gone through an extended dry period.
- In irrigated areas it may be necessary to irrigate prior to treatment with **Poast** to ensure weeds are growing actively.
- Always add 2 pints of oil concentrate per acre.

Annual Grasses*

Potato

California, Arizona, Utah, Idaho, Oregon, Washington, Nevada and Western New Mexico

Group	Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
A	Barnyardgrass Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglerice Ryegrass, Annual Southwestern Cupgrass Witchgrass	3-8"	1½ pints	2 pints
	Goosegrass Large Crabgrass Smooth Crabgrass Wild Oats (Idaho, Oregon, and Washington only)	Up to 4"		
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth	6-10"		
	Volunteer Corn**	8-12"		
B	Volunteer Cereals Barley Rye Oats Wheat Volunteer cereals which emerge from late spring through early summer (May through July) may be partially or incompletely controlled due to unfavorable conditions at time of application.	Before tillering, up to 4"	2 pints	2 pints

*For broad spectrum control of annual grasses, use 1½ pints of **Poast** per acre. When weed populations include additional grasses in Group B, increase the rate of **Poast** as indicated. If subsequent flushes of annual grasses emerge after the first application, make additional applications at the same rate and at the recommended stage of growth.

**Maintain sufficient boom height above volunteer corn plants for best spray coverage.

Perennial Grasses

Potato

California, Arizona, Oregon, Utah, Washington, Idaho, Nevada and Western New Mexico

Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
Bermudagrass • First Application	Before plant diameter exceeds 6" or leaf height above ground exceeds 1"	2½ pints	2 pints
• Second Application	1-4" length of regrowth or new plants	1½ pints	2 pints
Johnsongrass, Rhizome • First Application	6-10"	2½ pints	2 pints
• Second Application When regrowth occurs or new plants emerge.	4-8"	1½ pints	2 pints
Ryegrass, Perennial If regrowth occurs re-treat at the same rate and stage of growth.	3-6"	1½ pints	2 pints
Quackgrass (Idaho, Oregon, Washington) For best results, rhizomes should be thoroughly fragmented (less than 6").			
• First Application	6-8"	2½ pints	2 pints
• Subsequent Applications When regrowth occurs or new plants emerge.	6-8"	1½ pints	2 pints
Depending upon environmental conditions and crop competition, season-long control may not be reduced. Note: A cultivation no sooner than 14 days after application but within 21 days of application will aid control.			

Use rates indicated in the tables of this regional section.

- Potatoes at all stages of growth are tolerant to Poast® herbicide.

- 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.

- In irrigated areas it may be necessary to irrigate prior to treatment with Poast to ensure weeds are growing actively.
- Always add 2 pints of oil concentrate per acre.

Annual Grasses*

Potato

High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico

Group	Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
A	Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seeding Junglerice Red Sprangletop Texas Panicum Witchgrass	2-6"	1½ pints	2 pints
	Goosegrass Large Crabgrass Smooth Crabgrass	Up to 4"		
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth	6-10"		
	Volunteer Corn**	8-10"		
B	Volunteer Cereals Barley Rye Oats Wheat Poast is not recommended for spring control of volunteer cereals that emerged the previous fall.	Before tillering, up to 4" and prior to over-wintering	2 pints	2 pints

*For broad spectrum control of annual grasses, use 1½ pints of Poast per acre. When weed populations include additional grasses in Group B, increase the rate of Poast as indicated. If subsequent flushes of annual grasses emerge after the first application, make additional applications at the same rate and at the recommended stage of growth.

**Maintain sufficient boom height above corn plants for best spray coverage.

Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
Bermudagrass • First Application	Before plant diameter exceeds 6" or leaf height above ground exceeds 1"	2 pints	2 pints
• Second Application	21 days after first application.	1½ pints	2 pints
• Third Application	1-4" length of regrowth.	1½ pints	2 pints
Johnsongrass, Rhizome For best results, rhizomes should be thoroughly fragmented (less than 6"). Adjust volume of spray solution to a maximum of 10 gallons and a minimum of 5 gallons per acre while maintaining a ground speed of no more than 6 miles per hour.			
• First Application	6-10"	1½ pints	2 pints
• Subsequent Application When regrowth occurs or new plants emerge.	4-8"	1 pint	2 pints

Midwest, South, Northeast and Mountain States

Recommendations for grass control

- Apply to actively growing grasses at the sizes indicated in the tables of this regional section.
- Potatoes at all stages of growth are tolerant to Poast® herbicide.

- Always follow recommendations given in the **Application Information** section
- 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 which has gone through an extended dry period.
- In irrigated areas, it may be necessary to irrigate prior to treatment with Poast to ensure weeds are growing actively.
- **Always add 2 pints of oil concentrate per acre.**

Annual Grasses* — Special Rate for Early Treatment Potato Midwest, South, Northeast and Mountain States

Group	Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate
A	Wild Proso Millet	4-10"	½ pint	2 pints
B	Goosegrass	1-3"	¾ pint	2 pints
	Barnyardgrass** (Midwest Only) Broadleaf Signalgrass Fall Panicum Texas Panicum Foxtail: Giant, Green	1-4"		

*For broad spectrum control of annual grasses in Groups A & B, use ¾ pint of Poast per acre. If additional applications are needed, apply at the same rate and at the recommended stage of growth.

**In these states use 1 pint per acre as recommended in the next table: AL, AR, FL, GA, LA, MS, NC, SC, TN, TX, VA.

Annual Grasses*
Potato
Midwest, South, Northeast and Mountain States

100F40

Group	Grass	Time of Application	Rate of Poast per Acre	Additive Rate per Acre
				Oil Concentrate
A	Wild Proso Millet	4-10"	½ pint	2 pints
B	Barnyardgrass Broadleaf Signalgrass Fall Panicum Foxtail: Giant, Green, Yellow Johnsongrass, Seedling Jungleice Red Sprangletop Texas Panicum Witchgrass Woolly Cupgrass	Up to 8"	1 pint	2 pints
	Goosegrass Large Crabgrass Smooth Crabgrass	Up to 6"		
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth.	6-18"		
	Volunteer Corn**	Up to 20"		
	Wild Oats	Up to 4"		
C	Volunteer Cereals Barley Rye Oats Wheat Poast is not recommended for spring control of volunteer cereals that emerged the previous fall	Before tillering, up to 6" and prior to over-wintering	1½ pints	2 pints
D	Litchgrass Red Rice	Up to 4"	2 pints	2 pints
*For broad spectrum control of annual grasses in Groups A & B, use 1 pint of Poast per acre. When weed populations include additional grasses in Groups C & D, increase the rate of Poast as indicated. If a second flush of annual grasses emerges after the first application, make additional applications at the same rate and at the recommended stage of growth				
**Maintain sufficient boom height above volunteer corn plants for best spray coverage.				

Rescue treatment for controlling selected annual grasses

For best results, always apply Poast to annual grasses at the growth stage and rate specified in the above table. 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 below.

Potato—Annual Grasses—Rescue Treatment

Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
Wild Proso Millet	10-24"	1 pint	2 pints
Foxtails, Giant, Green, Yellow Johnsongrass, Seedling	8-16"	1½ pints	
Texas Panicum Fall Panicum Barnyardgrass Broadleaf Signalgrass	8-12"		
Large Crabgrass Smooth Crabgrass Goosegrass	6-8"		

Perennial Grasses
Potato
Midwest, South, Northeast and Mountain States

116F40

Grass	Time of Application	Rate of Poast per Acre	Additives Rate per Acre
			Oil Concentrate Rate per Acre
Bermudagrass • First Application	Before plant diameter exceeds 6" or leaf height above ground exceeds 1"	1½ pints	2 pints
• Second Application If regrowth occurs or new plants emerge.	1-4" length of new plants.	1 pint	2 pints
Johnsongrass, Rhizome • First Application Use 5-10 gallons of spray solution per acre. Maintain a ground speed of no more than 6 miles per hour. For best results, rhizomes should be thoroughly fragmented (less than 6"). (When using 11-20 gallons of spray solution per acre, use 1½ pints of Poast.)	15-25" (15-20" no-till culture)	1 pint	2 pints
• Subsequent Applications When regrowth occurs or new plants emerge.	6-12"	1 pint	2 pints
Quackgrass • First Application For best results, rhizomes should be fragmented (less than 6").	6-8"	1½ pints	2 pints
• Subsequent Applications If regrowth occurs or new plants emerge. Depending upon environmental conditions and crop cultural system, season-long control may not always be obtained. However, competition of quackgrass with the crop will be reduced. Note: A cultivation no sooner than 14 days after application but within 21 days of application will aid in control.	6-8"	1 pint	2 pints
Ryegrass, Perennial If regrowth occurs re-treat at same rate and stage of growth.	3-8"	1 pint	2 pints
Wirestem Muhly If regrowth occurs re-treat at same rate and stage of growth.	Up to 6"	1¼ pints	2 pints

Procedure for cleaning equipment**Attention! Clean sprayer thoroughly before and after application of Poast.**

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

Failure to clean sprayer thoroughly after the application of **Poast** 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/adjuvant at the recommended rate on its label. Circulate through entire sprayer system. Spray approximately half 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.

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.

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 from factors, such as, but not limited to, 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.

Poast is a registered trademark of BASF AG.

© 1988 BASF Corporation

Poast[®]

herbicide

NOT REVIEWED
In Accordance with PR Notice 82-2.
Draft of Draft Labeling Dated 1/1/77.

For use in celery, head and leaf lettuce and spinach.

Poast EPA Reg. No. 7969-58

All applicat 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.

Re-entry and workers' protection statements

Do not apply this product in such a manner as to directly or through drift expose workers or other persons, except those knowingly involved in the application. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific protective clothing until sprays have dried, and appropriate actions to take in case of accidental exposure. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "WARNING: Area treated with **Poast[®] herbicide** on (date of application). Do not enter without appropriate protective clothing until sprays have dried. If con-

tacted, flush eyes immediately with water for 15 minutes. Get medical attention.

In case of contact with skin or clothing, remove contaminated clothing, wash skin thoroughly with soap and water. Call physician if irritation occurs. Wash contaminated clothing before reuse."

Directions for use

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

General information

Poast is a selective broad spectrum postemergent herbicide for control of annual and perennial grass weeds. **Poast** does not control sedges or broadleaf weeds.

Since essentially all grass crops such as sorghum, corn, and small grains, as well as ornamental grasses such as turf, are susceptible to **Poast**, 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 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.

Under some conditions, or with certain oil concentrates, a very slight leaf speckling can occur. Spinach, head and leaf lettuce, and celery will outgrow these symptoms and later growth is not affected.

Application information*

Apply **Poast** to actively growing grasses when they are at the proper growth stage as specified by the **Recommendations for grass control**.

Thorough coverage of the grass foliage is essential. This is because the effectiveness of **Poast** is dependent on the absorption and movement of **Poast** throughout the plant.

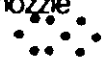
Do not make applications to grasses under stress, such as stress due to lack of moisture, herbicide injury, mechanical injury or cold temperatures, since unsatisfactory control will probably result.

Broadcast application

Nozzle type: For broadcast application use standard high pressure pesticide hollow cone or flat fan nozzles. Do not use flood or whirl chamber nozzles.

Spray gallonage: Use a minimum volume of 5 gallons and a maximum volume of 20 gallons of spray solution per acre. In Western and Mountain States use a minimum of 10 gallons per acre. In the High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico use a minimum of 5 gallons per acre and a maximum of 10 gallons per acre.

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 at the nozzle.



*To be applied by ground equipment only.

140F40

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. Tall weeds, such as volunteer corn, may require the boom height to be as high as 20 inches above the corn height. Refer to the nozzle manufacturer's directions for recommended height.

Band applications: Banding of **Poast** herbicide may be used to control annual grasses. Grasses which are not covered or only partly covered by a spray mixture of **Poast** will not be adequately controlled. All recommendations are on a broadcast basis unless otherwise stated. When banding, rates of **Poast**, oil concentrate and water should be reduced in proportion to the area sprayed.

Other spray equipment: Do not use selective application equipment such as recirculating sprayers, wiper applicators, or shielded applicators. Application of **Poast** with controlled drop applicator (CDA) nozzles is not recommended due to erratic coverage which causes inconsistent weed control.

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. For control of quackgrass, delay cultivation until 14-21 days after application of **Poast**.

Addition of oil concentrate

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) should always be added to the spray tank. 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 the following section), and 4) be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers which 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**.

Rate of oil concentrate: Ground application—2 pints/acre.

Jar test for estimating suitability of oil concentrates

- Water supply:** Use only water from intended source and at the source temperature.
- Amount of water in jar:**
For 20 gal./A spray volume use 3 1/4 cups (800 ml) of water.
For 10 gal./A spray volume use 1 3/4 cups (400 ml) of water.
For 5 gal./A spray volume use 3/4 cups (200 ml) of water.
For other spray volumes, adjust proportionately to above.

- 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.
- Add components in following sequence,** gently mixing between component additions:
1) Oil concentrate
2) **Poast**.
- Cap jar,** invert 10 cycles, let stand for 15 minutes, evaluate.
- 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/spraying

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

Desired Spray Solution Volume	Amount to be Added to Obtain a 1% Solution	
	Poast	Oil Concentrate
1 Gallon	1 1/4 Fl. Oz.	1 1/4 Fl. Oz.
25 Gallons	1 Qt.	1 Qt.
50 Gallons	2 Qts.	2 Qts.
100 Gallons	4 Qts.	4 Qts.
*2 Tablespoons = 1 Fl. Oz.		

Spot or small area treatment

When using knapsack sprayers or high volume spray equipment utilizing hand guns or other suitable nozzle arrangements, make 1% solution of **Poast® herbicide** in water. A recommended oil concentrate must also be used at a concentration of 1%.

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** and the amount of oil concentrate in water according to the table on page 2.

Restrictions and limitations

Do not apply **Poast** within 30 days of harvest to celery and head lettuce.

Do not apply **Poast** within 15 days of harvest to leaf lettuce and spinach.

Do not apply more than a total of 3 pints per acre in one season to celery, head or leaf lettuce, or spinach.

Do not make applications to grasses under stress, such as stress due to lack of moisture or herbicide injury, as unsatisfactory control may result.

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

Do not mix or apply **Poast** with any other pesticide, additive, or fertilizer except as specifically recommended on this labeling.

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

Do not apply **Poast** when the air temperature exceeds 90°F and when the relative humidity exceeds 60%.

Environmental hazards

Do not apply directly to water.

Do not contaminate water by cleaning of equipment or disposal of wastes.

Endangered species concerns

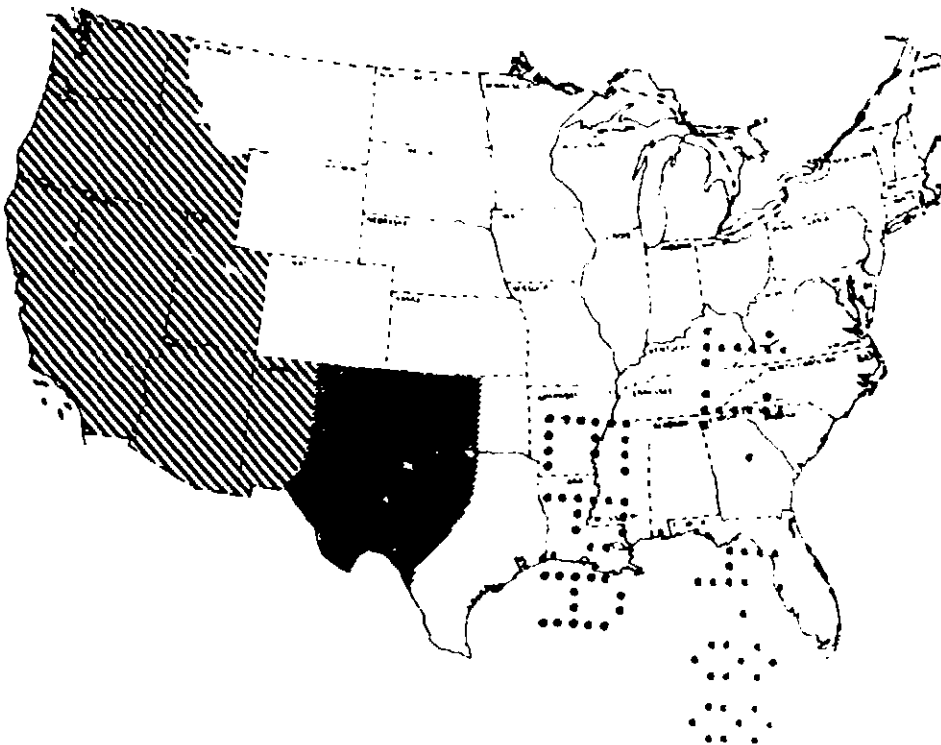
The use of any pesticide in a manner that may kill or otherwise harm an endangered or threatened species or adversely modify their habitat is a violation of Federal law.

The use of this product is controlled to prevent death or harm to Solano grass 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 Offices of the U.S. Fish and Wildlife Service (Portland, Oregon) or the U.S. Environmental Protection Agency (San Francisco, California). **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.**

Regional use map

All weed control recommendations for a given crop and weed are on a regional basis. There are three regions delineated on the U.S. map. Best results are obtained by using recommendations for your region only.

- Midwest, South and Northeast (All states and areas except those listed below.)
- High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico
- Western and Mountain States.



166F 40

Midwest, South and Northeast

Recommendations for grass control

- Apply to actively growing grasses at the sizes indicated in the tables of this regional section
- Celery, head and leaf lettuce and spinach are tolerant to **Poast**[®] herbicide at all stages of growth
- Always follow recommendation given in the **Application Information** section.

- 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 which has gone through an extended dry period

- In irrigated areas, it may be necessary to irrigate prior to treatment with **Poast** to ensure weeds are growing actively.
- Always add 2 pints of oil concentrate per acre.

Special Rate for Early Treatment* Celery, Head and Leaf Lettuce and Spinach Midwest, South and Northeast

Group	Grass	Time of Application	Rate of Poast per Acre	Additive Rate per Acre
				Oil Concentrate
				Ground
A	Wild Proso Millet	4-10"	½ pt. (16 acres per gallon)	2 pts
B	Goosegrass	1-3"	¾ pt. (10.7 acres per gallon)	2 pts
	Barnyardgrass** (Midwest Only) Broadleaf Signalgrass Fall Panicum Texas Panicum Foxtail Giant, Green	1-4"		

*For broad spectrum control of annual grasses in Groups A & B, use ¾ pint of **Poast** per acre. If additional applications are needed, apply at the same rate and at the recommended stage of growth.

**In these states use 1 pint per acre as recommended in the next table: AL, AR, FL, GA, LA, MS, NC, SC, TN, TX, VA.

176F40

Annual Grasses—Standard Recommendations*
Celery, Head and Leaf Lettuce and Spinach
Midwest, South and Northeast

Group	Grass	Time of Application	Rate of Poast per Acre	Additive Rate per Acre
				Oil Concentrate
A	Wild Proso Millet	4-10"	½ pt. (16 acres per gallon)	2 pts.
B	Wild Oat	Up to 4"	1 pt. (8 acres per gallon)	2 pts.
	Goosegrass	Up to 6"		2 pts.
	Smooth Crabgrass	Up to 6"		2 pts.
	Large Crabgrass	Up to 6"		2 pts.
	Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglece Red Sprangletop Ryegrass, Annual Texas Panicum Witchgrass Woolly Cupgrass	Up to 8"		2 pts.
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth.	6-18"		2 pts.
	Volunteer Corn Maintain sufficient boom height above volunteer corn plants for best spray coverage.	Up to 20"		2 pts.
C	Field Sandbur (Midwest only)	Up to 3"	1¼ pts. (6.4 acres per gallon)	2 pts.
D	Volunteer Cereals Barley Oats Rye Wheat Not recommended for spring control of volunteer cereals that emerged the previous fall.	Before tillering, up to 4" and prior to over-wintering	1½ pts. (5.3 acres per gallon)	2 pts.

*For broad spectrum control of annual grasses in Groups A and B (above), use 1 pint of Poast® herbicide per acre. When weed populations include additional grasses in Group C or D increase the rate of Poast as indicated. If later flushes of annual grasses emerge after the first application, make additional applications at the same rate and at the same recommended stage of growth. Do not exceed 3 pints/acre/season.

Rescue treatment for controlling selected annual grasses

For best results, always apply Poast® herbicide to annual grasses at the growth stage and rate specified in the table on page 5. 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.

Annual Grasses—Rescue Treatment
Celery, Head and Leaf Lettuce and Spinach
Midwest, South and Northeast

Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
Wild Proso Millet	10-24"	1 pt.	2 pts (4 acres per gallon)
Foxtails: Giant, Green, Yellow Johnsongrass, Seedling	8-16"	1 ½ pts. (5.3 acres per gallon)	
Texas Panicum Fall Panicum Barnyardgrass Broadleaf Signalgrass	8-12"		
Large Crabgrass Smooth Crabgrass Goosegrass	6-8"		

Perennial Grasses

Celery, Head and Leaf Lettuce and Spinach
Midwest, South and Northeast

Grass	Time of Application	Rate of Poast per Acre	Additives Rate per Acre
			Oil Concentrate
Bermudagrass • First Application	Before plant diameter exceeds 6" or leaf height above ground exceeds 1"	1½ pts. (5.3 acres per gallon)	2 pts.
• Second Application If regrowth occurs or new plants emerge.	1-4" length of new plants.	1 pt. (8 acres per gallon)	2 pts.
Johnsongrass, Rhizome • First Application For best results, rhizomes should be thoroughly fragmented (less than 6"). (When using 11-20 gallons of spray volume per acre, use 1½ pints of Poast.)	15-25"	1 pt. (8 acres per gallon)	2 pts.
• Subsequent Application If regrowth occurs or new plants emerge.	6-12"	1 pt. (8 acres per gallon)	2 pts.
Ryegrass, Perennial If regrowth occurs or new plants emerge re-treat at the same rate and stage of growth.	3-8"	1 pt. (8 acres per gallon)	2 pts.
Quackgrass • First Application For best results, rhizomes should be thoroughly fragmented (less than 6").	6-8"	1½ pts. (5.3 acres per gallon)	2 pts.
• Second Application If regrowth occurs or new plants emerge. Control may be partial or inconsistent, however, quackgrass growth will be suppressed. Note: A cultivation 14 to 21 days after application will aid in control.	6-8"	1½ pts. (5.3 acres per gallon)	2 pts.
Wirestem Muhly If regrowth occurs or new plants emerge re-treat at the same rate and stage of growth.	Up to 6"	1¼ pts. (6.4 acres per gallon)	2 pts.

High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico

Recommendations for grass control

- Apply to actively growing grasses at the sizes indicated in the tables of this regional section.
- Celery, head and leaf lettuce and spinach are tolerant to Poast® herbicide at all stages of growth.
- Always follow recommendations given in the Application information section
- 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 to grass which has gone through an extended dry period.
- In irrigated areas it may be necessary to irrigate prior to treatment with Poast to ensure weeds are growing actively.
- Always add 2 pints of oil concentrate per acre.

Annual Grasses — Standard Recommendations*

Celery, Head and Leaf Lettuce and Spinach

High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico

Group	Grass	Time of Application	Rate of Poast per Acre	Additives Rate per Acre
				Oil Concentrate
A	Goosegrass Smooth Crabgrass	Up to 4"	1½ pts. (5.3 acres per gallon)	2 pts.
	Large Crabgrass	Up to 4"		2 pts.
	Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seeping Juglone Red Sprangletop Texas Panicum Witchgrass	Up to 8"		2 pts.
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth.	6 - 18"		2 pts.
	Volunteer Corn Maintain sufficient boom height above volunteer corn plants for best spray coverage.	Up to 20"		2 pts.

*For broad spectrum control of annual grasses in Group A (above), use 1½ pints of Poast per acre. . . .
If later flushes of annual grasses emerge after the first application, make an additional application at the same rate and at the same recommended stage of growth.

200-40

Perennial Grasses
Celery, Head and Leaf Lettuce and Spinach
High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico

Grass	Time of Application	Rate of Poast per Acre	Additive Rate per Acre
			Oil Concentrate
Bermudagrass ● First Application	Before plant diameter exceeds 6" or leaf height above ground exceeds 1"	1½ pts. (5.3 acres per gallon)	2 pts.
● Second Application If regrowth occurs or new plants emerge	21 days after first application	1½ pts. (5.3 acres per gallon)	2 pts.
Johnsongrass, Rhizome ● First Application For best results, rhizomes should be thoroughly fragmented (less than 6"). Adjust volume of spray solution to a maximum of 10 gallons and a minimum of 5 gallons per acre while maintaining a speed of no more than 6 miles per hour.	6-10"	1½ pts. (5.3 acres per gallon)	2 pts.
● Subsequent Application If regrowth occurs or new plants emerge	4-8"	1 pt. (8 acres per gallon)	2 pts.

Western and Mountain States**Recommendations for grass control**

- Apply to actively growing grasses at the sizes indicated in the tables of this regional section.
- Celery, head and leaf lettuce and spinach are tolerant to Poast® herbicide at all stages of growth
- Always follow recommendations given in the Application Information section.
- 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 to grass which has gone through an extended dry period.
- In irrigated areas it may be necessary to irrigate prior to treatment with Poast to ensure weeds are growing actively.
- Always add 2 pints of oil concentrate per acre.

Annual Grasses—Standard Recommendations*
Celery, Head and Leaf Lettuce and Spinach
Western and Mountain States

Group	Grass	Time of Application	Rate of Poast per Acre	Additive Rate per Acre
				Oil Concentrate
A	Goosegrass Smooth Crabgrass Large Crabgrass Wild Oat (Idaho, Oregon, Washington only)	Up to 4"	1½ pts. (5.3 acres per gallon)	2 pts.
	Barnyardgrass Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglerice Ryegrass, Annual Southwestern Cupgrass Witchgrass	Up to 8"		2 pts.
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth.	6-18"		2 pts.
	Volunteer Corn Maintain sufficient boom height above volunteer corn plants for best spray coverage.	Up to 12"		2 pts.

*For broad spectrum control of annual grasses in Group A (above), use 1½ pints of Poast per acre.

If later flushes of annual grasses emerge after the first application, make an additional application at the same rate and at the same recommended stage of growth.

Perennial Grasses
Celery, Head and Leaf Lettuce and Spinach
Western and Mountain States

Grass	Time of Application	Rate of Poast per Acre	Additive Rate per Acre
			Oil Concentrate
Ryegrass, Perennial If regrowth occurs or new plants emerge re-treat at the same rate and stage of growth.	3-8"	1½ pts. (5.3 acres per gallon)	2 pts.

Procedure for cleaning equipment

ATTENTION! Clean sprayer thoroughly before and after application of Poast® herbicide.

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

Failure to clean sprayer thoroughly after the application of Poast 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/adjuvant at the recommended rate on its label. Circulate through entire sprayer system. Spray approximately half 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.

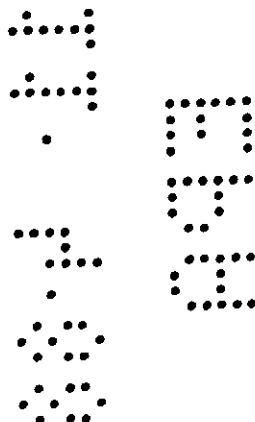
Conditions of sale and warranty

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 from factors such as, but not limited to, 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.

Poast is a registered trademark of BASF AG.

© 1988 BASF Corporation



Poast[®]

herbicide

NOT REVIEWED
In Accordance with PR Notice 82-2.
Based on Draft Labeling Dated 5/7/79

For use on cantaloupe, cucumber, musk melon, pumpkin, summer squash, watermelon and winter squash.

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.

Re-entry and workers' protection statements

Do not apply this product in such a manner as to directly or through drift expose workers or other persons, except those knowingly involved in the application. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific protective clothing until sprays have dried, and appropriate actions to take in case of accidental exposure. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by

workers. Written warnings must include the following information: "WARNING: Area treated with **Poast** herbicide on (date of application). Do not enter without appropriate protective clothing until sprays have dried. If contacted, flush eyes immediately with water for 15 minutes. Get medical attention."

In case of contact with skin or clothing, remove contaminated clothing and wash skin thoroughly with soap and water. Call physician if irritation occurs. Wash contaminated clothing before reuse."

Directions for use

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

General information

Poast is a selective broad spectrum postemergence herbicide for control of annual and perennial grass weeds. **Poast** does not control sedges or broadleaf weeds. Since essentially all grass crops such as sorghum, corn, small grains and rice, as well as ornamental grasses such as turf, are susceptible to **Poast**, 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 of the foliage to leaf tip

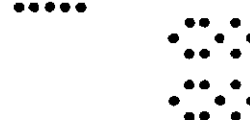
burn. Subsequently, burn back of the foliage occurs. These symptoms will generally be observed within three weeks depending on environmental conditions.

Application information*

Apply **Poast** to actively growing grasses when they are at the proper growth stage as specified by the **Recommendations for grass control**.

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

Thorough spray coverage of grass foliage is essential. For broadcast application use standard high pressure pesticide hollow cone or flat fan nozzles. Do not use flood or whirl chamber nozzles. Application of **Poast** with control drop applicator (CDA) nozzles is not recommended due to erratic coverage which causes inconsistent weed control. Use a minimum volume of 5 gallons and a maximum volume of 20 gallons of spray solution per acre. When using standard high pressure hollow cone or flat fan nozzles adjust pressure to a minimum of 40 psi and a maximum of 50 psi at the nozzle.



*Application may be made using ground equipment only.

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 use selective application equipment such as recirculating sprayers wiper applicators, or shielded applicators

Cultivation information

Do not cultivate within 5 days prior to application of **Poast** herbicide or within 7 days following application

A timely cultivation after 7 days may aid in providing season-long control

Addition of oil concentrate

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) should always be added to the spray tank. 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 below), and 4) be successful in local experience

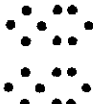
The exact composition of suitable products will vary, however, vegetable and petroleum oil concentrates should contain emulsifiers which provide good mixing quality. For vegetable oil concentrates, it has been observed that highly refined vegetable oils are more satisfactory than unrefined vegetable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

Rate of oil concentrate:

2 pints/acre

Jar test for estimating suitability of oil concentrates

- 1 **Water supply:** Use only water from intended source and at the source temperature
- 2 **Amount of water in jar:**
For 20 gal./A spray volume use 3 1/2 cups (800 ml) of water;
For 10 gal./A spray volume use 1 3/4 cups (400 ml) of water;
For 5 gal./A spray volume use 3/4 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

1) Oil concentrate

2) **Poast**

- 5 **Cap jar.** Invert 10 cycles, let stand for 15 minutes, evaluate

- 6 **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/spraying

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

Restrictions and limitations

Do not apply **Poast** within 14 days of harvest

Do not apply more than a total of 3 pints per acre in one season to cucumber, melons, pumpkin or squash

Under weather conditions of high humidity and/or temperature, some flowers may be damaged or dislodged by applications of **Poast** and oil concentrate

Do not make applications to grasses under stress, such as stress due to lack of moisture or herbicide injury, as unsatisfactory control may result

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

Do not mix or apply **Poast** with any other pesticide, additive, or fertilizer except as specifically recommended on this labeling

Environmental hazards

Do not apply directly to water

Do not contaminate water by cleaning of equipment or disposal of wastes

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

The use of this product is controlled to prevent death or harm to Solano grass which occurs in Solano County **California**

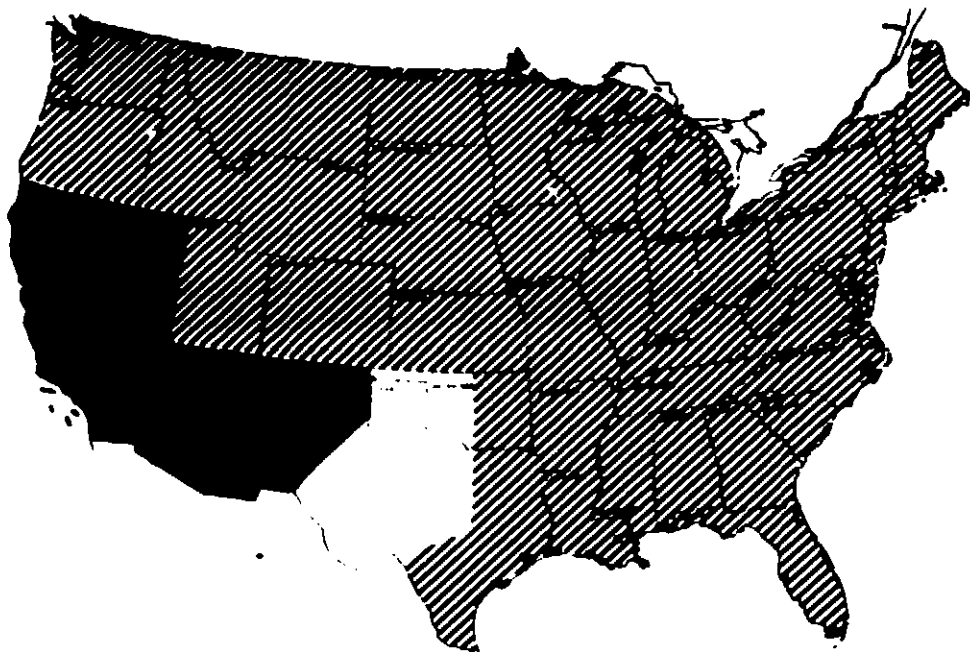
Before using this product in this county you must obtain the EPA Endangered Species Bulletin (EPA ES-85-13) available from either your County Agricultural Extension Agent, the Endangered Species Specialist in the California Department of Fish and Game, or the Regional Offices of the U.S. Fish and Wildlife Service (Portland Oregon) or the U.S. Environmental Protection Agency (San Francisco California). **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**

246F46

Regional use map

All weed control recommendations for a given crop and weed are on a regional basis. There are three regions delineated on the U.S. map. Best results are obtained by using recommendations for your region only.

California, Arizona, Nevada and Western New Mexico
 High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico
 Midwest, South, Mountain (except Arizona, New Mexico and Nevada), and Pacific Northwest (All states and areas except those listed above)



California, Arizona, Nevada and Western New Mexico

Recommendations for grass control

- Apply to actively growing grasses at the sizes indicated in the table of this regional section.
- Cucumber, melons, pumpkin and squash at all stages of growth are tolerant to **Poast** herbicide.
- Always follow recommendations given in the **Application information** section.
- 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 which has gone through an extended dry period.
- In irrigated areas it may be necessary to irrigate prior to treatment with **Poast** to ensure weeds are growing actively.
- **Always add 2 pints of oil concentrate per acre.**

Annual Grasses*

Cucumber, Melons, Pumpkin and Squash
 California, Arizona, Nevada and Western New Mexico

Group	Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
A	Barriardgrass Broadleaf Signalgrass Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglerice Ryegrass, Annual Southwestern Cupgrass Texas Panicum Witchgrass Woolly Cupgrass	3-8"	1½ pints	2 pints
	Goosegrass Large Crabgrass Smooth Crabgrass	Up to 4"		
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth	6-18"		
	Volunteer Corn	8-12"		

*For broad spectrum control of annual grasses, use 1½ pints of **Poast** per acre. If subsequent flushes of annual grasses emerge after the first application, make an additional application at the same rate and at the recommended stage of growth.

High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico

Recommendations for grass control

- Apply to actively growing grasses at the sizes indicated in the tables of this regional section.
- Cucumber, melons, pumpkin and squash at all stages of growth are tolerant to Poast[®] herbicide

- Always follow recommendations given in the Application Information section.
- 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 which has gone through an extended dry period.
- In irrigated areas it may be necessary to irrigate prior to treatment with Poast to ensure weeds are growing actively.
- Always add 2 pints of oil concentrate per acre.

Annual Grasses*

Cucumber, Melons, Pumpkin and Squash

High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico

Group	Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
A	Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglerice Red Sprangletop Texas Panicum Witchgrass	2-6"	1½ pints	2 pints
	Goosegrass Large Crabgrass Smooth Crabgrass	Up to 4"		
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth	6-10"		
	volunteer Corn	9-10"		

*For broad spectrum control of annual grasses, use 1½ pints of Poast per acre. If subsequent flushes of annual grasses emerge after first application, make an additional application at the same rate and at the recommended stage of growth.

Perennial Grasses

Cucumber, Melons, Pumpkin and Squash

High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico

Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
Bermudagrass • First Application Control may be partial or inconsistent, however bermudagrass growth will be suppressed.	Before plant diameter exceeds 6" or leaf height above ground exceeds 1"	1½ pints	2 pints
• Second Application	21 days after first application.	1½ pints	2 pints
Johnsongrass, Rhizome For best results, rhizomes should be thoroughly fragmented (less than 6"). Adjust volume of spray solution to a maximum of 10 gallons and a minimum of 5 gallons per acre while maintaining a ground speed of no more than 6 miles per hour.			
• First Application	6-10"	1½ pints	2 pints
• Subsequent Application When regrowth occurs or new plants emerge.	4-8"	1 pint	2 pints

**Midwest, Mountain (except Arizona, New Mexico and Nevada)
South, Northeast and Pacific Northwest**

276F46

Recommendations for grass control

- Apply to actively growing grasses at the sizes indicated in the tables of this regional section.
- Cucumber, melons, pumpkin and squash at all stages of growth are tolerant to Poast herbicide.
- Always follow recommendations given in the Application Information section.
- 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 which has gone through an extended dry period.
- In irrigated areas, it may be necessary to irrigate prior to treatment with Poast to ensure weeds are growing actively.
- Always add 2 pints of oil concentrate per acre.

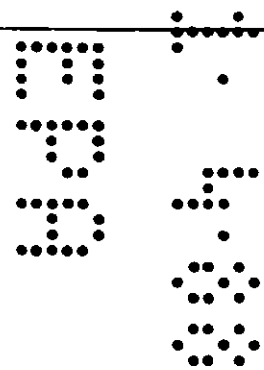
Annual Grasses*

Cucumber, Melons, Pumpkin and Squash

Midwest, Mountain (except Arizona, New Mexico and Nevada), South, Northeast and Pacific Northwest

Group	Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
A	Wild Proso Millet	4-10"	½ pint	2 pints
B	Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglerice Red Sprangletop Ryegrass, Annual Texas Panicum Witchgrass Woolly Cupgrass	3-8"	1 pint	2 pints
	Goosegrass Large Crabgrass Smooth Crabgrass	Up to 4"		
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth.	6-18"		
	Volunteer Corn	6-20"		
C	Volunteer Cereals* Barley Rye Oats Wheat Poast is not recommended for spring control of volunteer cereals that emerged the previous fall.	Before tillering, up to 6" and prior to wintering.	1½ pints	2 pints
	Wild Oats	2-4"		

*For broad spectrum control of annual grasses in Groups A & B, use 1 pint of Poast per acre. When weed populations include additional grasses in Group C increase the rate of Poast to 1½ pints. If a second flush of annual grasses emerge after the first application, make an additional application at the same rate and at the recommended stage of growth.



Rescue treatment for controlling selected annual grasses

For best results, always apply Poast herbicide to annual grasses at the growth stage and rate specified in the table on page 5. 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 at the right.

Annual Grasses

Cucumber, Melons, Pumpkin and Squash

Rescue Treatment

Midwest, South, Mountain (except Arizona, New Mexico and Nevada), Northeast and Pacific Northwest

Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
Wild Proso Millet	10-24"	1 pint	2 pints
Foxtails Giant, Green, Yellow	8-16"	1 pints	
Johnsongrass Seedling			
Texas Panicum	8-12"		
Fall Panicum			
Barnyardgrass	6-8"	1 pints	
Broadleaf Signalgrass			
Large Crabgrass	6-8"	1 pints	
Smooth Crabgrass			
Goosegrass			

Perennial Grasses

Cucumber, Melons, Pumpkin and Squash

Midwest, South, Mountain (except Arizona, New Mexico and Nevada), Northeast and Pacific Northwest

Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
Bermudagrass	Before plant diameter exceeds 6" or leaf height above ground exceeds 1"	1 1/2 pints	2 pints
• First Application		1 pint	2 pints
• Subsequent Application	1-4" length of new plants	1 1/2 pints	2 pints
If regrowth occurs or new plants emerge		1 pint	2 pints
Johnsongrass, Rhizome	15-25"	1 1/2 pints	2 pints
• First Application		1 pint	2 pints
For best results, rhizomes should be thoroughly fragmented (less than 6")	6-12"	1 1/2 pints	2 pints
• Subsequent Application		1 pint	2 pints
If regrowth occurs or new plants emerge	3-8"	1 1/2 pints	2 pints
Ryegrass, Perennial		1 pint	2 pints
If regrowth occurs, re-treat at the same rate and stage of growth	6-8"	1 1/2 pints	2 pints
Quackgrass		1 1/2 pints	2 pints
• First Application	6-8"	1 1/2 pints	2 pints
For best results, rhizomes should be thoroughly fragmented (less than 6")		1 1/2 pints	2 pints
• Subsequent Application	6-8"	1 1/2 pints	2 pints
If regrowth occurs or new plants emerge		1 1/2 pints	2 pints
Control may be partial or inconsistent however quackgrass growth will be suppressed	Up to 6"	1 1/2 pints	2 pints
Note: A cultivation no sooner than 14 days after application but within 21 days of application will aid in control		1 1/2 pints	2 pints
Wirestem Muhly	Up to 6"	1 1/2 pints	2 pints
If regrowth occurs, re-treat at the same rate and stage of growth		1 1/2 pints	2 pints

Procedure for cleaning equipment

ATTENTION! Clean sprayer thoroughly before and after application of Poast® herbicide.

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

Failure to clean sprayer thoroughly after the application of **Poast** 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 adjuvant at the recommended rate on its label. Circulate through entire sprayer system. Spray approximately half 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.

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.

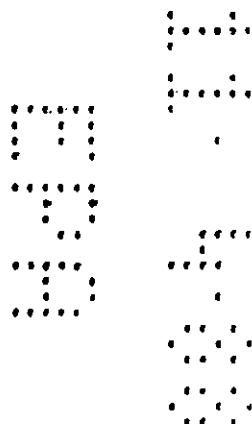
Conditions of sale and warranty

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 from factors such as but not limited to, 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.

Poast is a registered trademark of BASF AG.
© 1988 BASF Corporation

296F40



Poast®

herbicide

NOT REVIEWED

In Accordance with PR Notice 82-2.

Based on Draft Labeling Dated 11/1/82

For use in cabbage, broccoli, and cauliflower.

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.

Re-entry and workers' protection statements

Do not apply this product in such a manner as to directly or through drift expose workers or other persons, except those knowingly involved in the application. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific protective clothing until sprays have dried, and appropriate actions to take in case of accidental exposure. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

Written warnings must include the following information: "WARNING. Area treated with **Poast® herbicide** on (date of application). Do not enter without appropriate protective clothing until sprays have dried. If contacted, flush eyes immediately with water for 15 minutes. Get medical attention."

In case of contact with skin or clothing, remove contaminated clothing and wash skin thoroughly with soap and water. Call physician if irritation occurs. Wash contaminated clothing before reuse."

Directions for use

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

General information

Poast is a selective broad spectrum postemergence herbicide for control of annual and perennial grass weeds. **Poast** does not control sedges or broadleaf weeds.

Since essentially all grass crops such as sorghum, corn, small grains and rice, as well as ornamental grasses such as turf, are susceptible to **Poast**, 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 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.

Application information*

Apply **Poast** to actively growing grasses when they are at the proper growth stage as specified by the **Recommendations for grass control**.

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

Thorough spray coverage of grass foliage is essential. For broadcast application use standard high pressure pesticide hollow cone or flat fan nozzles. Do not use flood or whirl chamber nozzles. Application of **Poast** with control drop applicator (CDA) nozzles is not recommended due to erratic coverage which causes inconsistent weed control. Use a minimum volume of 5 gallons and a maximum volume of 20 gallons of spray solution per acre. 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 at the nozzle.

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 use selective application equipment such as recirculating sprayers, wiper applicators or shielded applicators.

*For use with ground equipment only.

Cultivation information

Do not cultivate within 5 days prior to application of **Poast**® herbicide or within 7 days following application.

A timely cultivation after 7 days may aid in providing season-long control

Addition of oil concentrate

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) should always be added to the spray tank. 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 below), and 4) be successful in local experience.

The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers which 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**.

Rate of oil concentrate:

2 pints/acre.

Jar test for estimating suitability of oil concentrates

1. **Water supply:** Use only water from intended source and at the source temperature.
2. **Amount of water in jar:**
For 20 gal./A spray volume use 3 1/3 cups (800 ml) of water.
For 10 gal./A spray volume use 1 2/3 cups (400 ml) of water.
For 5 gal./A spray volume use 3/4 cups (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:
 - 1) Oil concentrate
 - 2) **Poast**.

5. **Cap jar,** invert 10 cycles, let stand for 15 minutes, evaluate.

6. **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/spraying

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

Restrictions and limitations

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

Do not apply more than a total of 3 pints per acre in one season to cabbage, broccoli, and cauliflower.

Do not make applications to grasses under stress, such as stress due to lack of moisture or herbicide injury, as unsatisfactory control may result.

Do not apply if rainfall is expected within one hour following application as grass control will be unsatisfactory. Do not mix or apply **Poast** with any other pesticide, additive, or fertilizer except as specifically recommended on this labeling.

Environmental hazards

Do not apply directly to water.

Do not contaminate water by cleaning of equipment or disposal of wastes.

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. The use of this product is controlled to prevent death or harm to endangered or threatened species that occur in the following counties or elsewhere in their range.

Before using this pesticide in the following county you must obtain the appropriate EPA Endangered Species Bulletin. The use of this pesticide is prohibited in Solano County, California unless specified otherwise in the Bulletin. The EPA Bulletin is available from either your local pesticide distributor, your County Agricultural Extension Agent, the Endangered Species Specialist in your State Wildlife Agency Headquarters or the appropriate Regional Office or either the U.S. Fish and Wildlife Service or the U.S. Environmental Protection Agency. **THIS BULLETIN MUST BE REVIEWED PRIOR TO PESTICIDE USE.**

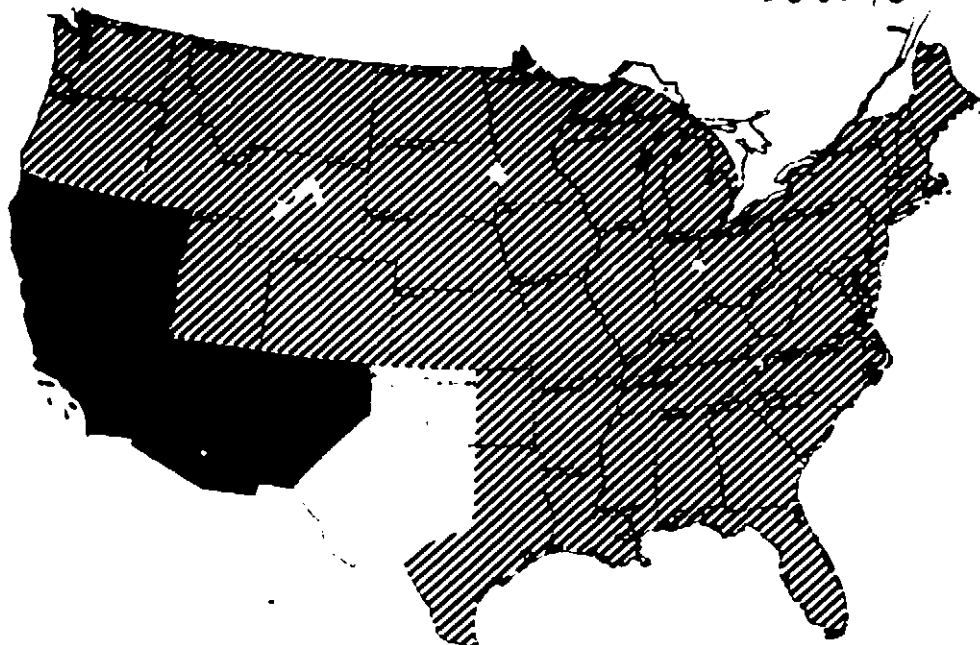
310540

320540

Regional use map

All weed control recommendations for a given crop and weed are on a regional basis. There are three regions delineated on the U.S. map. Best results are obtained by using recommendations for your region only.

- California, Arizona, Nevada and Western New Mexico
- High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico
- Midwest, South, Mountain (except Arizona, New Mexico and Nevada) and Pacific Northwest (All states and areas except those listed above)



California, Arizona, Nevada and Western New Mexico

Recommendations for grass control

- Apply to actively growing grasses at the sizes indicated in the tables of this regional section
- Always follow recommendations given in the **Application information** section

- 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 which has gone through an extended dry period

- In irrigated areas it may be necessary to irrigate prior to treatment with **Poast® herbicide** to ensure weeds are growing actively
- **Always add 2 pints of oil concentrate per acre.**

Cabbage, Broccoli, and Cauliflower

California, Arizona, Nevada and Western New Mexico

Group	Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
A	Barnyardgrass Broadleaf Signalgrass Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglerice Ryegrass, Annual Southwestern Cupgrass Texas Panicum Witchgrass	3-8"	1 1/2 pints	2 pints
	Doosegrass Large Crabgrass Smooth Crabgrass	Up to 4"	1 1/2 pints	2 pints
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth	6-18"	1 1/2 pints	2 pints
	Volunteer Corn	8-12"	1 1/2 pints	2 pints
*For broad spectrum control of annual grasses, use 1 1/2 pints of Poast per acre. If subsequent flushes of annual grasses emerge after the first application, make an additional application at the same rate and at the recommended stage of growth.				

High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico

33 of 40

Recommendations for grass control

- Apply to actively growing grasses at the sizes indicated in the tables of this regional section.
- Always follow recommendations given in the **Application Information** section

- 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 which has gone through an extended dry period.

- In irrigated areas it may be necessary to irrigate prior to treatment with **Poast®** herbicide to ensure weeds are growing actively.
- Always add 2 pints of oil concentrate per acre.

Cabbage, Broccoli, and Cauliflower

High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico

Group	Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
A	Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seeding Junglerice Red Sprangletop Texas Panicum Witchgrass	2-6"	1½ pints	2 pints
	Goosegrass Large Crabgrass Smooth Crabgrass	Up to 4"		
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth.	6-10"		
	Volunteer Corn	8-10"		

*For broad spectrum control of annual grasses, use 1½ pints of **Poast** per acre. If subsequent flushes of annual grasses emerge after the first application, make an additional application at the same rate and at the recommended stage of growth.

Cabbage, Broccoli, and Cauliflower

High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico

Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
Bermudagrass • First Application Control may be partial or inconsistent, however bermudagrass growth will be suppressed.	Before plant diameter exceeds 6" or leaf height above ground exceeds 1"	1½ pints	2 pints
Second Application	21 days after first application	1½ pints	2 pints
Johnsongrass: Rhizome • First Application For best results, rhizomes should be thoroughly fragmented (less than 6"). Adjust volume of spray solution to a maximum of 10 gallons and a minimum of 5 gallons per acre while maintaining a ground speed of no more than 6 miles per hour.	6-10"	1½ pints	2 pints
• Subsequent Application When regrowth occurs or new plants emerge.	4-8"	1 pint	2 pints

**Midwest, Mountain (except Arizona, New Mexico and Nevada),
South, Northeast and Pacific Northwest**

34640

**Recommendations for
grass control**

- Apply to actively growing grasses at the sizes indicated in the tables of this regional section.
- Always follow recommendation given in the **Application Information** section

- 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 which has gone through an extended dry period

- In irrigated areas, it may be necessary to irrigate prior to treatment with **Poast®** herbicide to ensure weeds are growing actively.
- Always add 2 pints of oil concentrate per acre.

**Cabbage, Broccoli, and Cauliflower
Annual Grasses***

Midwest, Mountain (except Arizona, New Mexico and Nevada) South, Northeast and Pacific Northwest

Group	Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
A	Wild Proso Millet	4-10"	½ pint	2 pints
B	Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglerice Red Sprangletop Ryegrass, Annual Texas Panicum Witchgrass Woolly Cupgrass	3-8"	1 pint	2 pints
	Goosegrass Large Crabgrass Smooth Crabgrass	Up to 4"		
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth	6-18"		
	Volunteer Corn	6-20"		
C	Volunteer Cereals* Barley Rye Oats Wheat Poast is not recommended for spring control of volunteer cereals that emerged the previous fall	Before tillering, up to 6" and prior to wintering	1½ pints	2 pints
	Wild Oats	2-4"		

*For broad spectrum control of annual grasses in Groups A & B, use 1 pint of Poast per acre. When weed populations include additional grasses in Group C increase the rate of Poast to 1½ pints. If a second flush of annual grasses emerge after the first application, make an additional application at the same rate and at the recommended stage of growth.

Rescue treatment for controlling selected annual grasses
For best results, always apply Poast® herbicide to annual grasses at the growth stage and rate specified in the above table. 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 below

Cabbage, Broccoli and Cauliflower Annual Grasses Rescue Treatment
Midwest, South, Mountain (except Arizona, New Mexico and Nevada), Northeast and Pacific Northwest

Grass	Time of Application	Rate of Poast Per Acre	Oil Concentrate Rate per Acre
Wild Proso Millet	10-24"	1 pint	2 pints
Foxtails Giant, Green Yellow Johnsongrass, Seeding	8-16"	1½ pints	
Texas Panicum Fall Panicum Barnyardgrass Broadleaf Signalgrass	8-12"		
Large Crabgrass Smooth Crabgrass Goosegrass	6-8" .		

Cabbage, Broccoli, and Cauliflower Perennial Grasses
Midwest, South, Mountain (except Arizona, New Mexico and Nevada), Northeast and Pacific Northwest

Grass	Time of Application	Rate of Poast per Acre	Oil Concentrate Rate per Acre
Bermudagrass • First Application	Before plant diameter exceeds 6" or leaf height above ground exceeds 1"	1 1/2 pints	2 pints
• Subsequent Application If regrowth occurs or new plants emerge	1-4" length of new plants	1 pint	2 pints
Johnsongrass, Rhizome • First Application For best results, rhizomes should be thoroughly fragmented (less than 6")	15-25"	1 1/2 pints	2 pints
• Subsequent Application If regrowth occurs or new plants emerge	6-12"	1 pint	2 pints
Ryegrass, Perennial If regrowth occurs re-treat at the same rate and stage of growth	3-8"	1 pint	2 pints
Quackgrass • First Application For best results, rhizomes should be thoroughly fragmented (less than 6")	6-8"	1 1/2 pints	2 pints
• Subsequent Application If regrowth occurs or new plants emerge Control may be partial or inconsistent, however quackgrass growth will be suppressed Note A cultivation no sooner than 14 days after application but within 21 days of application will aid in control	6-8"	1 1/2 pints	2 pints
Wirestem Mullein If regrowth occurs, re-treat at the same rate and stage of growth	Up to 6"	1 1/4 pints	2 pints

Procedure for cleaning equipment

ATTENTION! Clean sprayer thoroughly before and after application of Poast® herbicide.

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

Failure to clean sprayer thoroughly after the application of **Poast** 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/adjuvant at the recommended rate on its label. Circulate through entire sprayer system. Spray approximately half 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.

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.

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 risk 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.

Poast is a registered trademark of BASF AG.

© 1988 BASF Corporation

361540

NOT REVIEWED

In Accordance with FR Notice E2-2.

Based on Draft Labeling Dated 2/1/88

Poast[®]

herbicide

For use in artichoke in California only.

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 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

Poast[®] herbicide is a selective broad spectrum postemergent herbicide for control of annual and perennial grass weeds. **Poast** does not control sedges or broad-leaf weeds.

Since essentially all grass crops such as sorghum, corn, and small grains, as well as ornamental grasses such as turf, are susceptible to **Poast**, 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 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.

Under some conditions, or with certain oil concentrates, a very slight leaf speckling can occur. Artichokes will outgrow these symptoms and later growth is not affected.

Application information

Apply **Poast** to actively growing grasses when they are at the proper growth stage as specified in the **Recommendations for grass control** tables. **Poast** may be applied to artichoke plants by ground equipment only.

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

Nozzle selections: Thorough spray coverage of grass foliage is essential. For broadcast application use standard high pressure pesticide hollow cone or flat fan nozzles. Do not use flood or whip chamber nozzles. Application of **Poast** with control drop applicator (CDA) nozzles is not recommended due to erratic coverage which cause inconsistent weed control.

Spray volume: Under most conditions 10 gallons per acre of spray volume is optimal. A minimum volume of 10 gallons and a maximum volume of 20 gallons of spray solution per acre for broadcast applications 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.

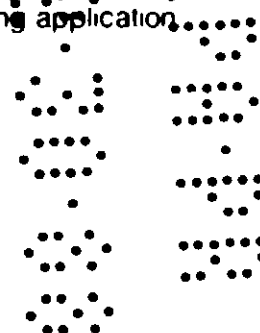
Boom height: Always adjust spray pressure, spray volume and height of spray boom to ensure thorough coverage of grasses to be controlled. When tall weeds are to be controlled, the boom height should be high above the weed. Refer to the nozzle manufacturer's directions for exact recommended height.

Tall artichoke application: When the artichoke plants are 24 or more inches in height and the grasses may be below the crop canopy, side directed nozzles should be used to insure good coverage of the grass species. Good weed coverage is essential for maximum control.

Other spray equipment: Do not use selective application equipment such as recirculation sprayers, wiper applicators, or shielded applicators.

Cultivation information

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



Addition of oil concentrate

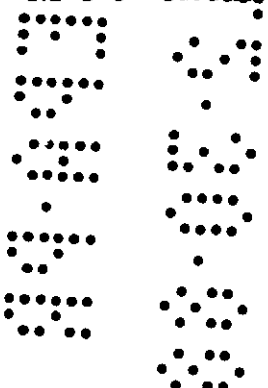
A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) should always be added to the spray tank. The oil concentrate must contain either a petroleum or vegetable oil base and must meet the following criteria 1) be nonphytotoxic, 2) contain only EPA-exempt ingredients, 3) provide good mixing quality in the jar test (see next page), and 4) be successful in local experience.

The exact composition of suitable products will vary, however, vegetable and petroleum oil concentrates should contain emulsifiers which 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.**

Rate of oil concentrate: Ground application—2 pints/acre

Jar test for estimating suitability of oil concentrates

- 1 **Water supply:** Use only water from intended source and at the source temperature
- 2 **Amount of water in jar:**
For 20 gal /A spray volume use 3 1/3 cups (800 ml) of water
For 10 gal /A spray volume use 1 1/3 cups (400 ml) of water
For 5 gal /A spray volume use 3/4 cups (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 mix between component additions:
1 Oil concentrate
2 **Poast® herbicide**
- 5 **Cap jar,** invert 10 cycles, let stand for 15 minutes, evaluate



Desired Spray Solution Volume	Amount to be Added to Obtain a 1% Solution	
	Poast®	Oil Concentrate
1 Gallon	1 1/4 Fl Oz	1 1/4 Fl Oz
25 Gallons	1 Qt	1 Qt
50 Gallons	2 Qts	2 Qts
100 Gallons	4 Qts	4 Qts

Note 2 Tablespoons = 1 Fl Oz

- 6 **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/spraying

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

Spot or small area treatment

When using knapsack sprayers or high volume spray equipment utilizing hand guns or other suitable nozzle arrangements, make 1% solution of **Poast** in water. A recommended oil concentrate must also be used at a concentration of 1%.

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** and the amount of oil concentrate in water according to the table above.

Restriction and limitations

Do not apply **Poast** within 70 days of harvest to artichoke.

Do not apply more than a total of 5 pints per acre in one season to artichoke.

Do not make applications to grasses under stress, such as stress due to lack of moisture or herbicide injury, as unsatisfactory control may result.

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

Do not mix or apply **Poast** with any other pesticide, additive or fertilizer except as specifically recommended on this labeling.

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

Do not apply **Poast** when the air temperature exceeds 100°F or 90°F when the relative humidity exceeds 60%.

Recommendations for grass control

- Apply to actively growing grasses at the sizes indicated in the tables.
- Artichoke is tolerant to **Poast** herbicide at all stages of growth
- Always follow recommendations given in the **Application information** section

- 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 which has gone through an extended dry period

- In irrigated areas it may be necessary to irrigate prior to treatment with **Poast** to ensure weeds are growing actively.
- Always add 2 pints of oil concentrate per acre.

Annual Grasses—Recommendations* Artichoke California

Group	Grass	Time of Application	Rate of Poast per Acre	Additive Rate per Acre
				Oil Concentrate Ground Only
A	Goosegrass Smooth Crabgrass Large Crabgrass	Up to 4"	1½ pts	2 pts
	Barnyardgrass, Small (for larger barnyardgrass see Group B below) Fall Panicum Foxtails Giant, Green, Yellow Johnsongrass Seedling Junglerice Ryegrass, Annual Southwest Cupgrass Witchgrass	Up to 8"		2 pts
	Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth	6-18"		2 pts
	Volunteer Corn Maintain sufficient boom height above volunteer corn plants for best spray coverage	Up to 12"		2 pts
B	Barnyardgrass, Large (apply before boot stage)	8-16"	2 pts	2 pts
	Volunteer Cereals Barley Oats Rye Wheat Volunteer cereals which emerge from late spring through early summer (May through July) may be partially or incompletely controlled due to unfavorable conditions during this time	Before tillering, up to 4" and prior to overwintering		
C	Wild Oats	Up to 6"	2½ pts	2½ pts

For broad spectrum control of annual grass in Group A (above), use 1½ pints of **Poast** per acre. When weed populations include additional grasses in Group B or C, increase the rate of **Poast** as indicated. If later flushes of annual grasses emerge after the first application, make additional applications at the same rate and at the same recommended stage of growth.

Grass	Time of Application	Rate of Poast per Acre	Additive Rate per Acre
			Oil Concentrate
			Ground Only
Bermudagrass • First application	Before stolon length exceeds 6"	2½ pts	2 pts
• Second application	21 days after first application	1½ pt	2 pts
Johnsongrass, Rhizome For best results rhizomes should be thoroughly fragmented (less than 6 inches)			
• First application	6-10"	2½ pts	2 pts
• Second application When regrowth occurs or new plants emerge	4-8"	1½ pt	2 pts
Ryegrass, Perennial If regrowth occurs re-treat at the same rate and stage of growth	3-8"	1½ pt	2 pts

Procedure for cleaning spray equipment

ATTENTION! Clean sprayer thoroughly before and after application of Poast

Clean sprayer thoroughly prior to application of Poast, particularly if a herbicide was used which has the potential to injure crops

The steps listed below are suggested for thorough cleaning of spray equipment prior to or following applications of Poast herbicide.

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 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

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

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

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 duly authorized representative of BASF.

Poast is a registered trademark of BASF AG
© 1988 BASF Corporation

BASF Corporation
Chemicals Division
100 Cherry Hill Road
Parsippany, New Jersey 07054