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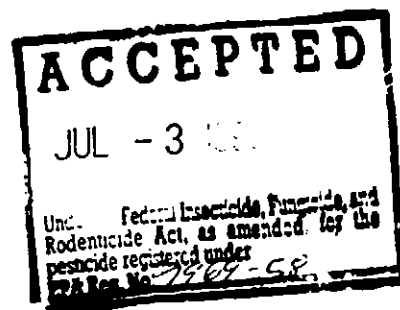
Poast®

herbicide

fruiting vegetables

For use on tomatoes, peppers and eggplant.

Poast EPA Reg. No. 7969-58



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

Directions for use

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

Re-entry and worker's 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 spe-

cific 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. Causes eye irritation. Do not get in eyes. Avoid contact with skin. Harmful if swallowed. If in eyes or on skin, immediately flush with plenty of water. Get medical attention if irritation persists."

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.

Poast may be used on all types of tomatoes (examples: plum, cherry or other) peppers (bell, sweet, chili or other) and eggplants grown for fresh market or processing.

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. Tomatoes, peppers and eggplant 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.

~~No to be applied by ground equipment~~
POAST can be applied by ground and air equipment.

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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 Arizona, California, Idaho, Nevada, Oregon, Utah, Washington and Western New Mexico 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 the 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. 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: All recommendations are on a broadcast basis unless otherwise stated. Banding of **Poast** herbicide may be used to control annual grasses. When banding, rates of **Poast** oil concentrate and water should be reduced in proportion to the area sprayed. Grasses which are not covered or only partially covered by a spray mixture of **Poast** will not be adequately controlled. When treating taller weeds, such as volunteer corn, the sprayer must be high enough to spray the top leaves and into the whorl of the plant.

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

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

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.

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 gals./A spray volume use 3 3/4 cups (800 ml) of water
For 10 gals./A spray volume use 1 7/8 cups (400 ml) of water
For 5 gals./A spray volume use 7/8 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.

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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 handguns 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 the 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 below.

| Desired Spray Solution Volume | Amount to Be Added to Obtain a 1% Solution | |
|-------------------------------|--|-----------------|
| | Poast | Oil Concentrate |
| 1 gallon | 1 1/2 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.

Restrictions and limitations

Do not apply **Poast** within 20 days of harvest.

Do not apply more than a total of 4 1/2 pints per acre in one season.

Poast plus oil concentrate should be used with caution under the conditions below. Under these environmental conditions the potential for leaf injury is greater.

- When the temperature exceeds 90°F and the relative humidity is 60% or greater, **or**,
- Anytime the temperature exceeds 100°F, regardless of the humidity.

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

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 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.

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 Specialists 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.**

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**.

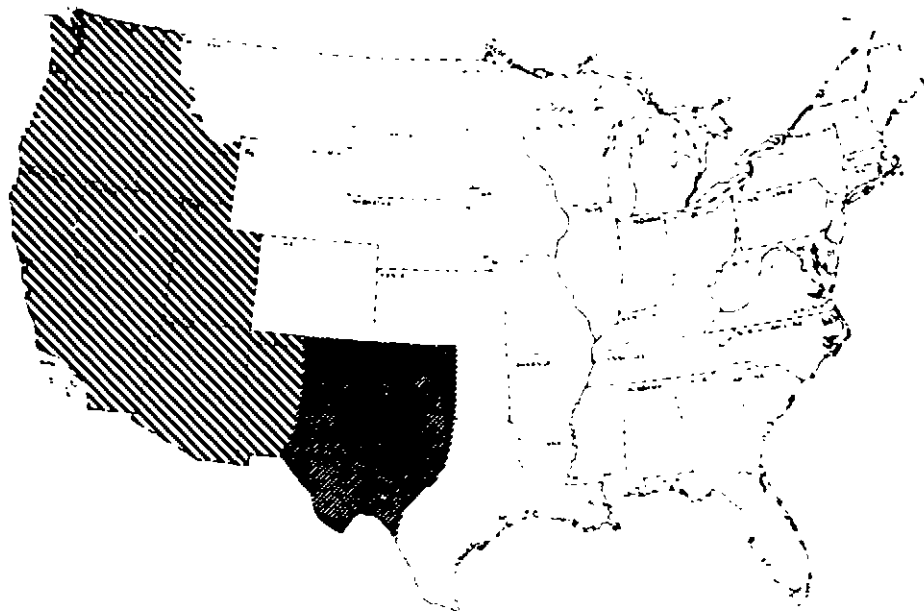
Failure to clean sprayer thoroughly after the application of **Poast** may result in injury to any grass crop subsequently sprayed, such as corn, sorghum, small grains, rice and turf. Fill the sprayer with clean water and add a commercial sprayer cleaner or a surfactant adjuvant at the recommended rate 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.

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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 (and all other regions not listed below)
- High and Rolling Plains of Texas, Oklahoma and Eastern New Mexico
- Western and Mountain States



Midwest, South and Northeast

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
- Drop nozzles may be needed to obtain adequate coverage when crop height exceeds 24-inches
- Always add 2 pints of oil concentrate per acre.

Special rate for early treatment

Tomatoes, Peppers and Eggplant 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" | 1 pt (16 acres per gallon) | 2 pts |
| B | Goosegrass | 1-3" | 1 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 1 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.

in ground applications

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Annual Grasses*

Tomatoes, Peppers and Eggplant 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" | 1/2 pt (16 acres per gallon) | 2 pts |
| B | Wild Oats | Up to 4" | 1 pt (8 acres per gallon) | 2 pts |
| | Goosegrass Smooth Crabgrass Large Crabgrass | Up to 6" | | |
| | Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglerice Red Sprangletop Ryegrass, Annual Texas Panicum Witchgrass Woolly Cupgrass | Up to 8" | | |
| | Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth. | 6-18" | | |
| | Volunteer Corn Maintain sufficient boom height above volunteer corn plants for best spray coverage. | Up to 20" | | |
| C | Field Sandbur (Midwest only) | Up to 3" | 1 1/4 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 | 1 1/2 pts (5 3 acres per gallon) | 2 pts |

*For broad spectrum control of annual grasses in Group 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.

Perennial Grasses

Tomatoes, Peppers and Eggplant Midwest, South and Northeast

| Grass | Time of Application | Rate of Poast per Acre | Additive Rate per Acre |
|---|---------------------------------|---|------------------------|
| | | | Oil Concentrate |
| Bermudagrass • First Application | Before stolon length exceeds 6" | 1 1/2 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") | 15-25" | 1 pt (8 acres per gallon) (When using 11-20 gallons of spray volume per acre, use 1 1/2 pints of Poast) | 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 |

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 ap-

plied 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:

Annual Grasses—Rescue Treatment

Tomatoes, Peppers and Eggplant

| 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 1/2 pts (5.3 acres per gallon) | |
| Texas Panicum Fall Panicum Barnyardgrass, . Broadleaf Signalgrass | 8-12" | | |
| Large Crabgrass . . Smooth Crabgrass . Goosegrass | 6-8" | | |

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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.
- 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. **in ground applications**
- Drop nozzles may be needed to obtain adequate coverage when crop height exceeds 24-inches
- **Always add 2 pints of oil concentrate per acre.**

Annual Grasses

Tomatoes, Peppers and Eggplant

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 |
| Goosegrass Smooth Crabgrass Large Crabgrass | Up to 4" | 1 1/2 pts. (5.3 acres per gallon) | 2 pts |
| Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow | Up to 8" | | |
| Johnsongrass, Seedling Junglerice Red Sprangletop Texas Panicum Witchgrass | Up to 8" | | |
| Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth | 6-18" | | |
| Volunteer Corn Maintain sufficient boom height above volunteer corn plants for best spray coverage | Up to 20" | | |

*For broad spectrum control of annual grasses above, use 1 1/2 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

Tomatoes, Peppers and Eggplant

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 stolon length exceeds 6" above ground exceeds 1" | 1 1/2 pts. (5.3 acres per gallon) | 2 pts |
| • Second Application If regrowth occurs or new plants emerge | 21 days after first application | 1 1/2 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" | 1 1/2 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
- 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. **in ground applications**
- Drop nozzles may be needed to obtain adequate coverage when crop height exceeds 24-inches.
- **Always add 2 pints of oil concentrate per acre.**

Annual Grasses

Tomatoes, Peppers and Eggplant Western and Mountain States

| Grass | Time of Application | Rate of Poast per Acre | Additive Rate per Acre |
|---|---------------------|-------------------------------------|------------------------|
| | | | Oil Concentrate |
| Goosegrass Smooth Crabgrass Large Crabgrass Wild Oats (Idaho, Oregon, Washington only) | Up to 4" | 1 1/2 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" | | |
| Shattercane/Wildcane If needed, re-treat at the same rate and stage of growth | 6-18" | | |
| Volunteer Corn Maintain sufficient boom height above volunteer corn plants for best spray coverage | Up to 12" | | |
| *For broad spectrum control of annual grasses above, use 1 1/2 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

Tomatoes, Peppers and Eggplant 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" | 1 1/2 pts (5.3 acres per gallon) | 2 pts |

Conditions of sale and warranty

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

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

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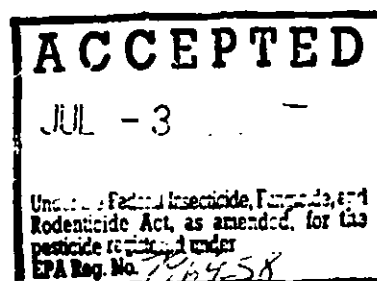
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Poast[®]

herbicide

For use in bulb vegetables.

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.

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 special 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, wash skin thoroughly with soap and water. Call physician if irritation occurs. Wash contaminated clothing before re-use."

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 broad-leaf weeds.

Poast may be used on all types direct seeded or set of onions, including dry bulb, Spanish, sweet, green or bunching types as well as garlic. Treated bulb vegetables may be used for fresh market sale or dehydration.

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. Bulb vegetables 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.

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*To be applied by a trained and experienced person only.

BASF

Ground Equipment

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 spray gallonage within the range listed below.

| Region | GPA Range |
|----------------------------------|-----------|
| Midwest, South and Northeast | 5-20 |
| High and Rolling Plains of Texas | 5-10 |
| Western and Mountain States | 10-20 |

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.

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: All recommendations are on a broadcast basis unless otherwise stated. Banding of **Poast** may be used to control annual grasses. When banding, rates of **Poast**, oil concentrate and water should be reduced in proportion to the area sprayed. Grasses which are not covered or only partly covered by spray mixture of **Poast** will not be adequately controlled. When treating taller weeds, such as volunteer corn, the sprayer must be high enough to spray the top leaves and into the whorl of the plant.

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

Air Equipment: Thorough spray coverage of grass foliage is essential. Use a minimum of 5 gallons of water per acre. Increase water volume to 10 gallons per acre if grass foliage is dense.

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.

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

- Water supply:** Use only water from intended source and at the source temperature.
- Amount of water in jar:**
For 20 gals./A spray volume use 3 1/3 cups (800 ml) of water.
For 10 gals./A spray volume use 1 2/3 cups (400 ml) of water.
For 5 gals./A spray volume use 5/6 cups (20 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.

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.

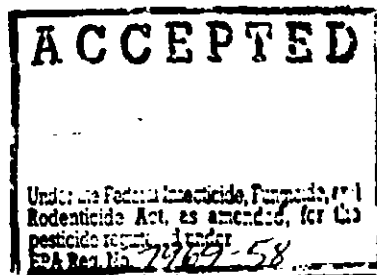
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Poast[®]

herbicide

For use on grapes.

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.

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, wash skin thoroughly with soap and water. Call physician if irritation occurs. Wash contaminated clothing before re-use."

Directions for use

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

gered Species Bulletin (EPA/ES-85-13) available from either your County Agricultural Extension Agent, the Endangered Species Specialists 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.**

General information

Poast[®] herbicide may be used for control and suppression of grasses on bearing or nonbearing table or wine grapes or grapes grown for raisins. Grapes are very tolerant to **Poast**, but under some conditions a very slight leaf speckling can occur. Grape will outgrow these symptoms and later growth is not affected. Over the top applications of **Poast** may be made when the grapes are small. See **Restrictions and limitations** section for the minimum time interval between application and harvest for bearing vines.

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Action of Poast herbicide

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 all grass crops such as sorghum, corn and small grains, as well as some ornamental grasses, can be injured or killed by **Poast**, avoid all direct or indirect contact with any desired grass plants.

Control symptoms: **Poast** rapidly enters the plant through the foliage and moves or translocates throughout the plant. Control symptoms exhibited by grasses progress from a slowing and stopping of growth (generally within two days), to reddening of foliage, and leaf tip burn. Later, 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 before they exceed the maximum growth stage in the following rate tables.

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 may result.

Thorough coverage of grass foliage is essential. This is because the effectiveness of **Poast** is dependent on the absorption and movement of **Poast** throughout the plant. For this to occur enough leaf surface must be treated to absorb **Poast** herbicide and the grass must be actively growing to move or translocate **Poast** to the roots and buds.

Application may be made by ground equipment only.

Spray orientation: Direct nozzles toward the grass foliage. Application to the soil is ineffective. Heavy grapevine growth which covers and protects grass weeds from spray coverage may reduce activity of **Poast**.

Nozzle selection: 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. Do not use selective application equipment such as recirculating sprayers, wiper applicators or shielded equipment.

Spray gallonage: Under most conditions a 10 gallon per acre spray volume is optimum. On a broadcast basis a minimum of 5 gallons and a maximum of 20 gallons per acre should be used. In more arid regions, such as California, use a minimum of 10 gallons per acre and a maximum of 20 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: Adjust pressure to a minimum of 40 psi and a maximum of 60 psi (measured at the nozzle) when using standard high pressure hollow cone or flat fan nozzles.

Cultivation information

Do not cultivate 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: exception—cuckgrass (see individual crop recommendations).

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 column), 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** at the end of this section.

Rate of oil concentrate:

2 pints/acre.

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. **Apply Poast soon after mixing.** Maintain constant agitation during application.

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 gals./A spray volume use 3 1/3 cups (800 ml) of water.
For 10 gals./A spray volume use 1 2/3 cups (400 ml) of water.
For 5 gals./A spray volume use 5/8 cup (200 ml) of water.
For other spray volumes, adjust proportionately to above.
3. **Amount of herbicides and oil concentrate to add:** Add herbicides 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

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Recommendations for grass control—Grapes

- Apply to actively growing grasses before tillering and/or seed head formation.
- Apply to grasses at the sizes indicated.
- Follow water volume and spray pressure recommendations
- 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 per acre of oil concentrate.**

Annual Grass Control—Broadcast Application

| Grass | Rate of Poast per acre* | | Oil Concentrate Rate per acre |
|---|-------------------------|------------------------|-------------------------------|
| | Grass up to 6" Height | Grass up to 12" Height | |
| Barnyardgrass Broadleaf Signalgrass Fall Panicum Foxtails: Giant, Green, Yellow Goosegrass Johnsongrass, Seedling Junglerice Large Crabgrass Lovegrass Orchardgrass, Seedling Red Sprangletop** Smooth Crabgrass Tall Fescue, Seedling Texas Panicum Shattercane/Wildcane Wild Proso Millet Witchgrass Woolly Cupgrass | 1 1/2 pints | 2 1/2 pints | 2 pints |
| *Repeat applications as needed. Do not apply more than 5 pints per season. **Not recommended in CA, AZ or NM | | | |

Perennial Grass Suppression—Broadcast Application

| Grass | Maximum Size Range | Rate of Poast per Acre* | Oil Concentrate Rate per acre |
|---|--------------------|-------------------------|-------------------------------|
| Bermudagrass | Up to 6" Runners | 2½ pints | 2 pints |
| Johnsongrass, Rhizome | 15-20" Height | | |
| Quackgrass | 6-8" Height | | |
| Wirestem Muhly | Up to 5" Height | 1½ pints | |
| *Repeat applications as needed. Do not apply more than 5 pints per acre per season. | | | |

Spot treatment application

For control of grasses when using knapsack sprayers or high volume equipment (hand guns or other suitable nozzle arrangements), prepare a solution of **Poast** herbicide plus oil concentrate in water according to the table on this page. The best spray application will be a fine spray which will cover but not drench the leaves and run off. By keeping the spray gallonage low a relatively concentrated solution (1-1.5%) of **Poast** is used. The best performance is obtained when the spray gallonage is maintained at 10 gallons per acre, and the spray gallonage should not exceed 20 gallons per acre.

Annual Grass Control—Spot Application

| Grass | Concentration in Spray Solution** | | |
|--|-----------------------------------|------------------------|-----------------|
| | Poast* | | Oil Concentrate |
| | Grass up to 6" Height | Grass up to 12" Height | |
| See annual grasses listed in Broadcast Application table on page 3 | 1% | 1½% | 1% |
| *Repeat applications as needed. Do not apply more than the equivalent percent of 5 pints per season. **Refer to Solution Table below for preparation of desired spray solution volume. | | | |

Perennial Grass Suppression—Spot Application

| Grasses | Maximum Size Range | Concentration in Spray Solution** | |
|--|--------------------|-----------------------------------|-----------------|
| | | Poast* | Oil Concentrate |
| Bermudagrass | Up to 6" Runners | 1½% | 1% |
| Johnsongrass, Rhizome | 15-20" Height | 1½% | 1% |
| Quackgrass | 6-8" Height | 1½% | 1% |
| Wirestem Muhly | Up to 6" Height | 1% | 1% |
| *Repeat applications as needed. Do not apply more than the equivalent percent of 5 pints per season. **Refer to Solution Table below for preparation of desired spray solution volume. | | | |

Solution Table

| Desired Spray Solution Volume | Amount of Poast or Oil Concentrate to be Added for Solution | |
|-------------------------------|---|------------|
| | 1% | 1½% |
| 1 Gallon | 1¼ Fl. Oz. | 2 Fl. Oz. |
| 3 Gallons | 3¾ Fl. Oz. | 6 Fl. Oz. |
| 5 Gallons | 6¼ Fl. Oz. | 10 Fl. Oz. |
| 1 Tablespoon = ½ Fl. Oz. | | |

Restrictions and limitations

Do not apply **Poast** herbicide within 50 days of harvesting grapes grown for fresh market, wine making or for drying into raisins.

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

Grape pomace and raisin waste may be fed to animals.

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.

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

Poast may be applied to grapes by ground equipment only.

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.

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**.

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

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

4. Remove the nozzles and screens and flush the system with two tankfuls of water.

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.

Appendix

The following are scientific names for the weeds listed in this label.

For specific recommendations on control of these weeds, refer to the major crop and/or tank mix sections.

Grasses

| Common Name | Scientific Name |
|-----------------------|--------------------------------|
| Barnyardgrass | <i>Echinochloa crus-galli</i> |
| Bermudagrass | <i>Cynodon dactylon</i> |
| Broadleaf Signalgrass | <i>Brachiaria platyphylla</i> |
| Crabgrass, Large | <i>Digitaria sanguinalis</i> |
| Crabgrass, Small | <i>Digitaria ischaemum</i> |
| Cupgrass, Woolly | <i>Eriochloa villosa</i> |
| Foxtail, Giant | <i>Setaria faberi</i> |
| Foxtail, Green | <i>Setaria viridis</i> |
| Foxtail, Yellow | <i>Setaria glauca</i> |
| Goosegrass | <i>Eleusine indica</i> |
| Johnsongrass | <i>Sorghum halepense</i> |
| Junglerice | <i>Echinochloa colonum</i> |
| Lovegrass | <i>Eragrostis cilianensis</i> |
| Orchardgrass | <i>Dactylis glomerata</i> |
| Panicum | <i>Panicum fasciculatum</i> |
| Panicum, Fall | <i>Panicum dichotomiflorum</i> |
| Panicum, Texas | <i>Panicum texanum</i> |
| Quackgrass | <i>Agropyron repens</i> |
| Red Sprangletop | <i>Leptochloa filiformis</i> |
| Tall Fescue | <i>Festuca arundinacea</i> |
| Wildcane/Shattercane | <i>Hordeum vulgare</i> |
| Wild Proso Millet | <i>Sorghum bicolor</i> |
| Wirestem Muhly | <i>Panicum miliaceum</i> |
| Witchgrass | <i>Muhlenbergia frondosa</i> |
| | <i>Panicum capillare</i> |

**Conditions of sale
and warranty**

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

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

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BASF

Agricultural Chemicals

PO 1052

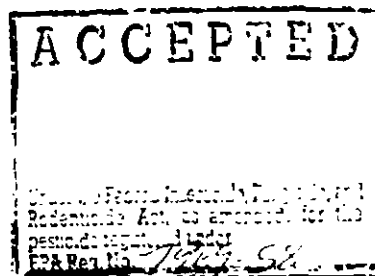
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Poast[®]

herbicide



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 1/2 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 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

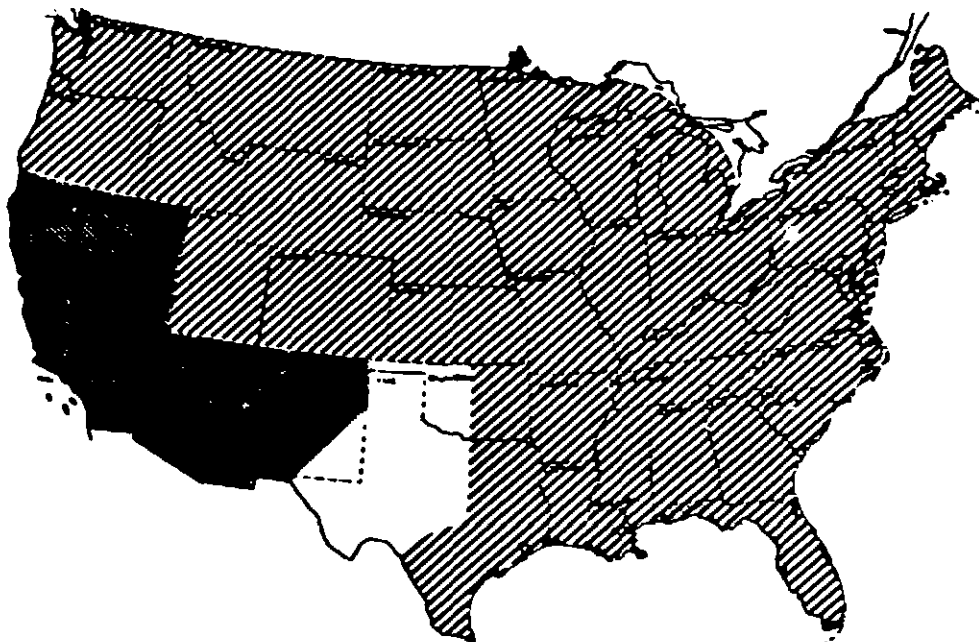
The use of any pesticide in a manner that may kill or otherwise harm an endangered or threatened species or adversely modify their habitat is a violation of Federal law. The use of this product is controlled to prevent death or harm to endangered or threatened species that occur in the following counties 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 of either the U.S. Fish and Wildlife Service or the U.S. Environmental Protection Agency. THIS BULLETIN MUST BE REVIEWED PRIOR TO PESTICIDE USE.

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" | 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.
- 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, 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 | 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 |

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

**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 Junglece 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.

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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, Seedling | 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" | 1½ 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" | 1½ 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" | 1½ 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" | 1½ pints | 2 pints |
| Wirestem Muhly If regrowth occurs, re-treat at the same rate and stage of growth. | Up to 6" | 1½ pints | 2 pints |

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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.

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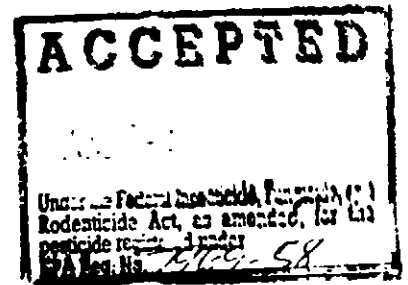
BASF Corporation
Chemicals Division
100 Cherry Hill Road
Parsippany, New Jersey 07054

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.

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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 5/8 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 7 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.

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- 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 5" | 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. | | | | |

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Perennial Grasses—Recommendations
Artichoke
California

pg. 280 47

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| Grass | Time of Application | Rate of Poast per Acre | Additive Rate per Acre |
|--|----------------------------------|------------------------|------------------------|
| | | | Oil Concentrate |
| | | | Ground Only |
| Bermudagrass | Before stolon length exceeds 6" | 2½ pts. | 2 pts. |
| • First application | | | |
| • 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.

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

Supplemental Labeling

Poast[®]

herbicide

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

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 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.

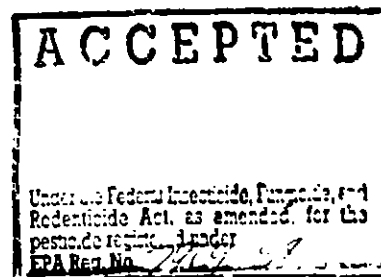
General information

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
~~xxx~~

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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 3½ cups (600 ml) of water
For 10 gal./A spray volume use 1¾ cups (400 ml) of water
For 5 gal./A spray volume use ¾ 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.

| Desired Spray Solution Volume | Amount to be Added to Obtain a 1% Solution | |
|-------------------------------|--|-----------------|
| | Poast | Oil Concentrate |
| 1 Gallon | 1¼ Fl. Oz. | 1¼ 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.

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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

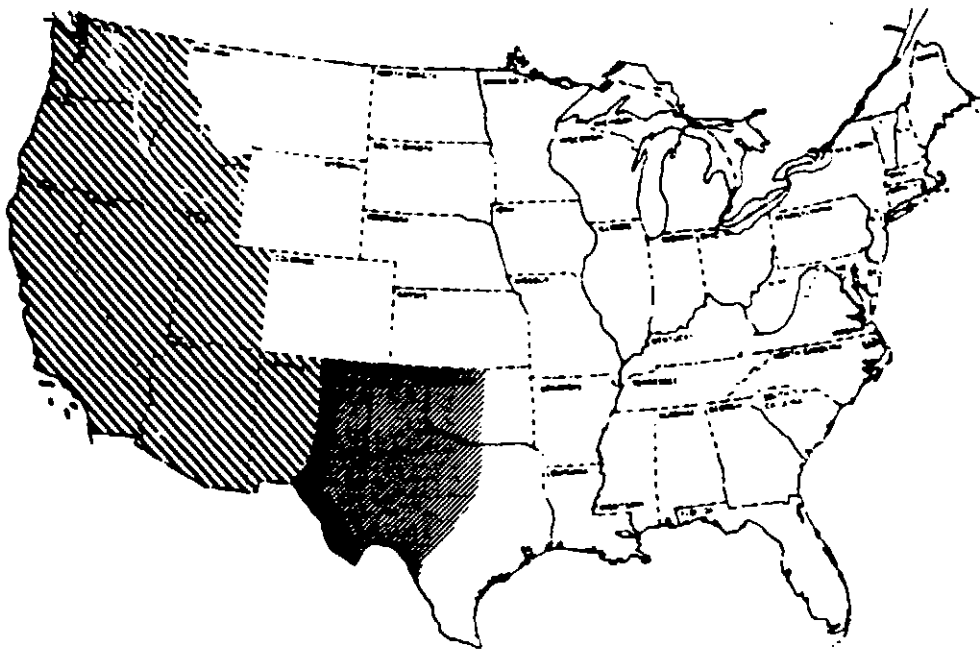
The use of any pesticide in a manner that may kill or otherwise harm an endangered or threatened species or adversely modify their habitat is a violation of Federal law.

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



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.

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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 | | | |
| | Large Crabgrass | Up to 6" | | 2 pts. |
| | Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglerice 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.

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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 1/2 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. |

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

pg 35-45

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 | Up to 4" | 1½ pts. (5.3 acres per gallon) | 2 pts. |
| | Smooth Crabgrass | | | 2 pts. |
| | Large Crabgrass | Up to 4" | | 2 pts. |
| | Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seedling Junglerice 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.

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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.

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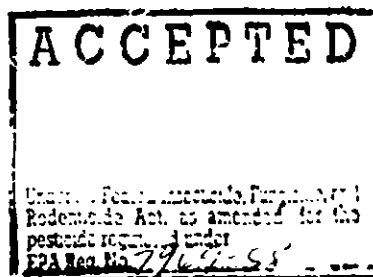
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BASF Corporation
Chemicals Division
100 Cherry Hill Road
Parsippany, New Jersey 07054

BASF

Agricultural Chemicals

Poast[®]
herbicide



For use in strawberries and raspberries

Poast (EPA Reg. No. 7969-58)

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

Directions for use

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

General information

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, 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 a stopping of growth (generally within two days), to reddening of the foliage and to leaf tip burn. Subsequently, burn back of the foliage occurs. These symptoms will generally be observed within three weeks depending on environmental conditions.

Application information*

Apply Poast to actively growing grasses by ground equipment when grasses are at the proper growth stage as specified by the **Recommendations for grass control** for each region. Poast herbicide can be applied before harvest or after harvest in a renovation program.

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 may 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.

Cultivation information

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

A timely cultivation after 7 days may aid in providing season-long control (exception-quackgrass, see individual recommendations).

Addition of oil concentrate

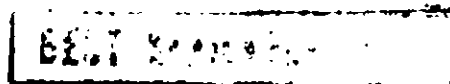
A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) should always be added to the spray tank. The oil concentrate must contain either a petroleum or vegetable oil base and must meet the following criteria: 1) be nonphytotoxic, 2) contain only EPA exempt ingredients, 3) provide good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

*For use by ground equipment ~~only~~



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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:
 - a. Oil concentrate.
 - b. 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 curdlike 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 of strawberries. Do not apply Poast within 45 days of harvest of raspberries.

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

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

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

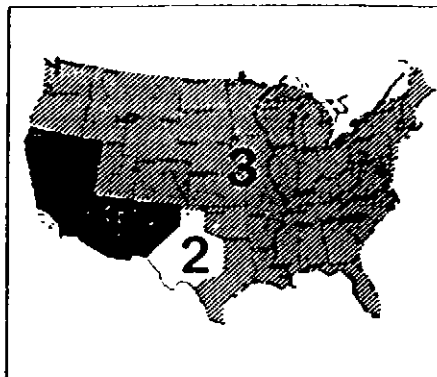
Note to strawberry growers:

Do not tank mix or sequentially apply Poast plus oil concentrate within one week before or after an application of Tenoran® herbicide as strawberry injury may occur.

Application of Poast plus oil concentrate applied up to 6 weeks after a Sinbar® herbicide application can occasionally cause strawberry leaf injury. It is believed to be variety related. Growers should determine injury potential by treating a small area first then waiting a week before treating the rest of the strawberry field with Poast plus oil concentrate.

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 below. Best results are obtained by using recommendations for your region only.



Region 1: California, Arizona, Nevada, and western New Mexico.

Region 2: High and rolling plains of Texas, Oklahoma and eastern New Mexico.

Region 3: Midwest, Mountain (except AZ and NM), South, Northeast and Pacific Northwest. (All states and areas except those listed in 1 and 2 above.)

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Region 1—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 strawberry and raspberry 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 to ensure that weeds are growing actively.
- Always add 2 pints of oil concentrate per acre.

Strawberry and raspberry—annual grasses* (Region 1) 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" | 2 pts. | 2 pts. |
| | 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" | | |
| 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". | 2½ pts. | 2 pts. |

*For broad spectrum control of annual grasses in Group A, use 2 pints of Poast per acre. When weed populations include additional grasses in Group B, increase the rate of Poast as indicated. In raspberries, 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. Do not exceed a total of 2½ pts./A/season for strawberries and 5 pts./A/season for raspberries.

Strawberry and raspberry—perennial grasses (Region 1) (California, Arizona, Nevada and western New Mexico)

| Grass | Time of Application | Rate of Poast per Acre | Oil Concentrate Rate per Acre |
|---|--|------------------------|-------------------------------|
| Bermudagrass • First application (One application may not give season-long control.) | Before plant diameter exceeds 6" or leaf height above ground exceeds 1". | 2½ pts. | 2 pts. |
| • Second application (Raspberry only) | 21 days after first application. | 2½ pts. | 2 pts. |
| Johnsongrass, Rhizome For best results, rhizomes should be thoroughly fragmented (less than 6") • First application (One application may not give season-long control.) | 6-10" | 2½ pts. | 2 pts. |
| • Second application (Raspberry only) | 4-8" | 2½ pts. | 2 pts. |
| Do not exceed a total of 2½ pints/A/season for strawberries and 5 pints/A/season for raspberries | | | |

Region 2—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 strawberry and raspberry 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 to ensure that weeds are growing actively.
- **Always add 2 pints of oil concentrate per acre.**

Strawberry and raspberry—annual grasses* (Region 2) (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" | 2 pts. | 2 pts. |
| | 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. | 2½ pts. | 2 pts. |

*For broad spectrum control of annual grasses in Group A, use 2 pints of Poast per acre. When weed populations include additional grasses in Group B, increase the rate of Poast as indicated. In raspberries, 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. Do not exceed a total of 2½ pts./A/season for strawberries and 5 pts./A/season for raspberries.

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Strawberry and raspberry—perennial grasses (Region 2)
(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 | Before plant diameter exceeds 6" or leaf height above ground exceeds 1". | 1½ pts. | 2 pts. |
| • Second application | 21 days after first application. | 1 pt. | 2 pts. |
| • Subsequent applications. If regrowth occurs or new plants emerge. (raspberry only) | 1-4" length of regrowth or new plants. | 1 pt. | 2 pts. |
| 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 pts. | 2 pts. |
| • Second application When regrowth occurs or new plants emerge. | 4-8" | 1 pt. | 2 pts. |
| • Subsequent applications. If regrowth occurs or new plants emerge. (raspberry only) | 4-8" | 1 pt. | 2 pts. |
| Do not exceed a total of 2½ pints/A/season for strawberries and 5 pints/A/season for raspberries. | | | |

Region 3—Midwest, Mountain (except AZ and NM), South, Northeast and Pacific Northwest

Recommendations for grass control

- Apply to actively growing grasses at the sizes indicated in the tables of this strawberry and raspberry 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 to ensure weeds are growing actively
- **Always add 2 pints of oil concentrate per acre.**

Strawberry and raspberry—annual grasses (Region 3) (Midwest, Mountain (except AZ and NM), 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" | ¾ pt. | 2 pts |
| B | Barnyardgrass Broadleaf Signalgrass Browntop Panicum Fall Panicum Foxtails: Giant, Green, Yellow Johnsongrass, Seeding Junglerice Red Sprangletop Ryegrass, Annual Texas Panicum Witchgrass Wolly Cupgrass | 3-8" | 1½ pts. | 2 pts. |
| | 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. | 2 pts. | 2 pts. |
| | Wild Oats | 2-4" | | |
| | | | | |
| D | Itchgrass Red Rice | Up to 4" | 2½ pts. | 2 pts |

*For broad spectrum control of annual grasses in Groups A & B, use 1½ pints of Poast per acre. When weed populations include additional grasses in Groups C or D increase the rate of Poast to 2 pints. If a second flush of annual grasses emerge after first application, make additional applications at the same recommended stage of growth. Do not exceed a total of 2½ pts./A/season for strawberries and 5 pts./A/season for raspberries.

Rescue treatment for controlling selected annual grasses in Region 3

For best results, always apply Poast to annual grasses at the growth stage and rate specified in the table on page 6. 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.

**Strawberry and raspberry—annual grasses
Rescue treatment (Region 3)
(Midwest, Mountain (ex. AZ and NM), South, Northeast
and Pacific Northwest)**

| Grass | Time of Application | Rate of Poast per Acre | Oil Concentrate Rate per Acre |
|---|---------------------|------------------------|-------------------------------|
| Wild Proso Millet | 10-24" | 1 pt. | 2 pts. |
| Foxtails: Giant, Green, Yellow Johnsongrass, Seedling | 8-16" | 2 pts. | |
| Barnyardgrass Broadleaf Signalgrass Fall Panicum Texas Panicum | 8-12" | | |
| Goosegrass Large Crabgrass Smooth Crabgrass | 6-8" | | |
| Do not exceed a total of 2½ pts./A/season for strawberries and 5 pts./A/season for raspberries. | | | |

**Strawberry and raspberry—perennial grasses (Region 3)
(Midwest, Mountain (except AZ and NM), South, 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". | 1½ pts. | 2 pts. |
| • Second application | 21 days after first application. | 1 pt. | 2 pts. |
| • Subsequent applications if regrowth occurs or new plants emerge. (raspberry only). | 1-4" length of new plants. | 1 pt. | 2 pts. |
| 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 pts. | 2 pts. |
| • Second application When regrowth occurs or new plants emerge. | 4-8" | 1 pt. | 2 pts. |
| • Subsequent applications if regrowth occurs or new plants emerge. (raspberry only). | 4-8" | 1 pt. | 2 pts. |
| Ryegrass, Perennial • First application | 3-8" | 1½ pts. | 2 pts. |
| • Second application Re-treat if regrowth occurs or new plants emerge. | 3-8" | 1 pt. | 2 pts. |
| Do not exceed a total of 2½ pts./A/season for strawberries and 5 pts./A/season for raspberries. | | | |

Continued on next page.

Strawberry and raspberry—perennial grasses (Region 3)—continued
(Midwest, Mountain (except AZ and NM), South, Northeast, and Pacific Northwest)

| Grass | Time of Application | Rate of Poast per Acre | Oil Concentrate Rate per Acre |
|--|---------------------|------------------------|-------------------------------|
| Quackgrass For best results, rhizomes should be thoroughly fragmented (less than 6") • First application | 6-8" | 2½ pts. | 2 pts. |
| • Second application If regrowth occurs or new plants emerge. (raspberry only). 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" | 2½ pts. | 2 pts. |
| Wirestem Muhly • First application | Up to 6" | 1½ pts. | 2 pts. |
| • Second application Re-treat if regrowth occurs or new plants emerge. | Up to 6" | 1 pt. | 2 pts. |
| Do not exceed a total of 2½ pts./A/season for strawberries and 5 pts./A/season for raspberries. | | | |

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 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

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