



# AGRICULTURAL BULLETIN



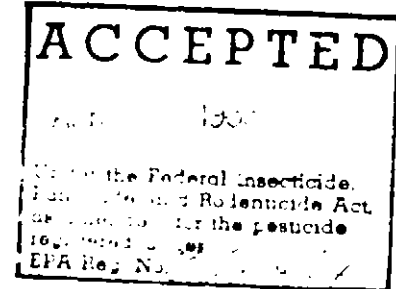
"Telar" Herbicide  
Industrial Turf

SUPPLEMENTAL LABELING  
EPA REG. NO. 352-404

"TELAR" HERBICIDE + "EMBARK"<sup>1</sup> TANK MIXTURES  
FOR INDUSTRIAL TURF

### DIRECTIONS FOR USE

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



Du Pont "Telar" Herbicide is recommended for growth suppression and seedhead inhibition in mixed fescue/bluegrass stands of unimproved turf in industrial non-crop areas.

Treatment also controls certain broadleaf weeds.

### HOW TO USE

Apply with ground equipment anytime from after greenup until seedhead appearance. Mix 1/4 ounce of "Telar" per acre in water in the spray tank with the agitator running. Add 1/4 to 1/2 pint of "Embark" to the spray tank. Addition of a non-ionic surfactant at 1/4% by volume (1 quart/100 gallons) will improve performance, but may temporarily increase chlorosis of desirable grasses.

See "Telar" package labeling for weeds controlled.

Note: Do not apply "Telar" to turf that is under stress from drought, insects, disease, cold temperatures or poor fertility, as injury may result.

Do not apply to turf less than 1 year old.

Do not use on bahiagrass, as severe injury will result.

Do not exceed 1/2 ounce "Telar" per acre within a 12-month period.

### IMPORTANT

BEFORE USING "TELAR" AND "EMBARK" READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE PRODUCT LABELS.

This bulletin contains new or supplemental instructions for use of these products which may not appear on the package labels. Follow the instructions carefully.

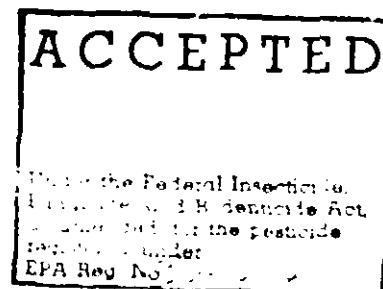
This labeling must be in the possession of the user at the time of pesticide application.

<sup>1</sup> Registered trademark of PBI Gordon, Inc.



SUPPLEMENTAL LABELING  
EPA REGISTRATION NO. 352-404

GLEAN HERBICIDE  
SELECTIVE WEEDING TO AID  
GRASS ESTABLISHMENT IN THE  
CONSERVATION RESERVE PROGRAM



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

In the states of CO, IA, ID, KS, MN, MT, NE, NM, ND, OK, OR, SD, TX, UT, WA and WY, GLEAN Herbicide is recommended for the control or suppression of certain broadleaf weeds in the following native or improved perennial grasses grown on land enrolled in the Conservation Reserve Program (CRP):

Bentgrasses	Orchardgrass
Blue Grama	Prairie sandreed
Bluestems - Big, Little, Plains, Sand, WW Spar	Sand dropseed
Brome-grasses - Meadow, Smooth	Sheep fescue
Buffalograss	Sideoats Grama
Galleta	Switchgrass
Green needlegrass	Wheatgrasses - Crested, Intermediate Pubescent, Slender, Streambank, Tall
Green sprangletop	Thickspike, Western
Indiangrass	Wildrye grasses - Beardless, Russian
Indian ricegrass	
Kleingrass	
Lovegrasses - Sand, Weeping	

GENERAL INFORMATION

GLEAN provides both preemergence and postemergence control of labeled weeds. Degree of control and duration of effect depends on weed spectrum and density; weed size and variability; amount of cover crop canopy; growing conditions before, at and following application; rate and timing of application and spray coverage.

Maximize potential for grass establishment by consulting with the Soil Conservation Service or other local experts concerning planting techniques and other cultural practices.

GLEAN may be applied at not more than 1/3 oz/A to all labeled grasses except bentgrasses, kleingrass, orchardgrass, and sheep fescue. For plantings of Plains and WW Spar bluestems, time application not less than 90 days prior to planting.

o Preemergence (after planting but before grass emergence).

GLEAN may be applied at not more than 1/3 oz/A to all labeled grasses except bentgrasses, kleingrass, orchardgrass, Plains and WW Spar bluestems and sheep fescue.

o Early postemergence

GLEAN may be applied at not more than 1/2 oz/A to all labeled grasses except bentgrasses, orchardgrass, Plains and WW Spar bluestems. Because grass species differ in time of emergence, apply only after the majority of grasses are in the 3 to 4 leaf stage.

o Late postemergence (tillered stands)

GLEAN may be applied at not more than 1/2 oz/A to all labeled grasses.

Note: Applications to Beardless wildrye grass can be made only after tillering and only in the spring.

#### WEED CONTROL

Apply GLEAN preemergence to weeds or postemergence to small actively growing weeds before they are larger than 2" tall or 2" in diameter.

Without sufficient rainfall to move GLEAN into the weed root zone, weeds that germinate after treatment will not be controlled.

For all postemergence applications add a surfactant of at least 80% active ingredient at the rate of 1 quart/100 gallons of spray solution. The use of surfactants having less than 80% active ingredient may reduce weed control.

Avoid postemergence applications to weeds which are not actively growing due to adverse weather conditions. Weeds hardened off by cold weather or drought stress may not be adequately controlled.

#### Weed Control/Use Rates

The 1/6 oz/A use rate is recommended only for short term control or suppression. Use 1/3 to 1/2 oz/A where soil residual weed control is important.

Weeds Controlled or Suppressed\* at 1/6 thru 1/3 Ounce Per Acre

Blue mustard	Miners lettuce
Conical catchfly	Pineappleweed
Field pennycress	Prostrate pigweed
Flixweed*	Redroot pigweed
Hempnettle	Shepherdspurse
Henbit	Smooth pigweed
Lambsquarters*	Tansymustard*
Mayweed	Treacle mustard
	Tumble mustard (Jim Hill)
	Wild mustard

\* When used as directed, weeds marked with an asterisk are suppressed and/or controlled. Weed suppression is a visual reduction in weed competition (reduced population or vigor) as compared to untreated area. Degree of suppression will vary with size of weed and environmental conditions following treatment.

Weeds Controlled or Suppressed at 1/3 thru 1/2 Ounce Per Acre

Above list plus:

Canada thistle*	Redstem filaree
Coast fiddleneck (tarweed)	Russian thistle*
Common chickweed	Speedwell*
Flixweed*	Sunflower - In TX partial control only
Kochia*	Tansymustard*
Lambsquarters*	Wild buckwheat*
Prickly lettuce	Wild carrot
Prostrate knotweed	Wild radish
Purslane (common)	Wild turnip

\* When used as directed, weeds marked with an asterisk are suppressed and/or controlled. Weed suppression is a visual reduction in weed competition (reduced population or vigor) as compared to untreated area. Degree of suppression will vary with size of weed and environmental conditions following treatment.

It is recommended that a .25 acre area be left untreated in each tract of land entering the Conservation Reserve Program to confirm efficacy and grass selectivity of the treatment.

TANK MIXTURES

GLEAN can be tank mixed with Roundup<sup>1</sup> or Landmaster II<sup>1</sup> as a preplanting treatment to control broadleaf and grassy weeds. When using Landmaster II tank mix, allow at least 7 days after application before planting grasses. Refer to Roundup and Landmaster II fact sheets and labels for use rates, warnings, precautions and other instructions.

### SPRAY PREPARATION, EQUIPMENT, SPRAY VOLUMES

Mix the proper amount of GLEAN into the necessary volume of water in the spray tank with the agitator running. Agitation is required for uniform mixing and application. If spray preparation is left standing, thoroughly reagitrate before using. GLEAN must be added to the spray tank first, followed by other tank mix chemicals and surfactant.

GLEAN should be applied in sufficient spray volume to obtain thorough coverage of the target area and existing weed foliage. Minimum spray volumes are 1 GPA (gallon per acre) by air and 3 GPA ground equipment. Flat fan nozzles are recommended for ground application. Volumes exceeding these minimums should be used as weed populations or canopy cover increases. Include one quart of an 80% (minimum concentration) active ingredient surfactant for every 100 gallons of spray mix when weeds are present at application.

For aerial applications use orifice discs, cores and nozzle types and arrangements that will provide for optimum spray distribution and maximum coverage at 1 to 5 GPA.

Note: When applying GLEAN in areas where crops other than wheat, barley, oats or CRP grasses are grown, take extra precautions to avoid drift by following these instructions:

- o Do not apply when a temperature air inversion exists. Such a condition is characterized by little or no air movement and an increase in air temperature with an increase in height. In humid regions, a fog or mist may form. An inversion may be detected by producing a smoke column and checking for a layering effect. If questions exist pertaining to the existence of an inversion, consult with local weather services before making an application.
- o Use coarse sprays to minimize drift. Do not apply with hollow cone-type insecticide or other nozzles that product fine spray droplets.
- o Off-target movement from aerial or ground application may be reduced further by:
  - (1) increasing the volume of spray mix per acre,
  - (2) decreasing the pounds of pressure at the nozzle tips,
  - (3) using nozzles which produce a coarse spray pattern,
  - (4) not applying when wind is blowing toward susceptible crops or valuable plants,
  - (5) using an effective drift control agent, and
  - (6) applying as near the target as possible in order to obtain coverage.

### PRECAUTIONS

Grass grown on Conservation Reserve Acres cannot be grazed or used for hay.

Under certain conditions such as high soil pH, heavy rainfall, prolonged cool weather or frost conditions just prior to or soon after application, temporary discoloration or stunting may occur.

Legumes in a seeding mixture may be severely injured or killed following an application of GLEAN.

Do not apply to frozen ground where surface runoff may occur. Do not apply when snow covers the ground.

Because cultivars of perennial grasses differ in their tolerance to herbicides, limit first use of GLEAN to a small area prior to adoption as a field practice. Likewise, components in a seed mixture will vary in tolerance to GLEAN so that the final stand may not reflect seed ratio.

Rotational guidelines should be referred to on the current "Glean" product label before "Glean"-treated land in the Conservation Reserve Program is taken out and planted to other crops as certain crops may be injured by herbicide residue in the soil.

NOTE: Do not allow spray to drift onto adjacent crops, or onto agricultural land scheduled to be planted to crops other than wheat or grasslands for the CRP program, as injury to the crop may occur. Extreme care must be taken to prevent drift onto desirable plants or nontarget agricultural land

### IMPORTANT

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<sup>1</sup>Registered trademarks of Monsanto Company