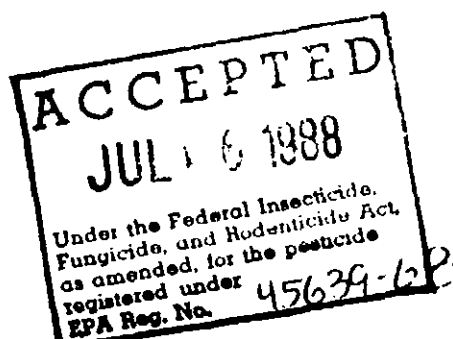


# SPECIMEN LABEL



# Prograss®

## EMULSIFIABLE CONCENTRATE

Selective Herbicide For Use By Professional Applicators On Ornamental Turf Only

### ACTIVE INGREDIENTS:

Ethofumesate (2-ethoxy-2, 3-dihydro-3, 3-dimethyl-5-benzofuranyl methanesulfonate)\*

### INERT INGREDIENTS

	19%
	81%
Total	100%

This product contains 1.5 lb active ingredient per gallon

EPA Reg. No. 45639-68

PRECAUCION AL USUARIO: Si usted no lee Ingles, no use este producto hasta que el etiqueta haya sido explicado ampliamente.

## KEEP OUT OF REACH OF CHILDREN DANGER

CORROSIVE, CAUSES EYE DAMAGE  
WEAR GOGGLES OR FACE SHIELD WHEN HANDLING.

### STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED - DRINK PROMPTLY A LARGE QUANTITY OF MILK, EGG WHITES, GELATIN SOLUTION OR IF THESE ARE NOT AVAILABLE, DRINK LARGE QUANTITIES OF WATER. AVOID ALCOHOL. CALL A PHYSICIAN.

IF ON SKIN - FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

IF IN EYES - IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

 **NOR-AM.**  
NOR-AM CHEMICAL COMPANY

3509 Silverside Road, P.O. Box 7495  
Wilmington, DE 19803

### NET CONTENTS:

\*Protected by U.S.

Patent Nos. 3,689,507

and 4,072,495

# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### DANGER

Corrosive. Causes eye damage. Do not get in eyes. Wear goggles or face shield when handling. Harmful if absorbed through skin. Avoid contact with skin.

**First Aid** — In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Get medical attention if skin irritation persists. Remove and wash contaminated clothing before reuse.

**Environmental Hazards** — Do not apply directly to water. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

**Physical or Chemical Hazards** — Do not use, pour, spill or store near heat or open flames.

## STORAGE AND DISPOSAL

**STORAGE** — Store in a cool place above 34 °F.

**PESTICIDE DISPOSAL** — Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. 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.

**CONTAINER DISPOSAL** — Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## GENERAL INFORMATION

PROGRASS is an emulsifiable formulation containing 1.5 lbs. active ingredient per U.S. gallon for use in the establishment of perennial ryegrass turf, or on established perennial ryegrass, Kentucky bluegrass, creeping bentgrass turf for control of certain annual grass and broadleaf weeds.

PROGRASS is intended for use on the ornamental turf of sites such as golf courses, parks and lawns.

### WEED SPECIES CONTROLLED PREEMERGENCE

#### Annual Grasses

Annual bluegrass	<i>Poa annua</i>
Large crabgrass	<i>Digitaria sanguinalis</i>
Barnyardgrass	<i>Echinochloa crus-galli</i>
Green foxtail	<i>Setaria viridis</i>
Yellow foxtail	<i>Setaria glauca</i>
Canarygrass	<i>Phalaris canariensis</i>

#### Annual Broadleaves

Common chickweed	<i>Stellaria media</i>
Common purslane	<i>Portulaca oleracea</i>
Redroot pigweed	<i>Amaranthus retroflexus</i>

PROGRASS will also reduce competition from:

Yellow nutsedge	<i>Cyperus esculentus</i>
Purple nutsedge	<i>Cyperus rotundus</i>

### POSTEMERGENCE

#### Annual Grasses

Annual bluegrass *Poa annua*

#### Annual Broadleaves

Common chickweed *Stellaria media*

✓ PROGRASS will also reduce competition from:

White clover *Trifolium repens*

### USE PRECAUTIONS

PROGRASS should be used only for recommended purposes and at the recommended rates (DO NOT OVERTREAT).

- Do not mix PROGRASS with liquid fertilizers or other pesticides.
- Do not use activated sewage sludge fertilizers in PROGRASS treated area, or reduced herbicidal activity may result.
- Do not allow spray mixture to stand in tank overnight. Flush and drain spray equipment after each day's use. Store unused spray mixture in tightly sealed containers and protect from frost.
- Avoid overlapping when spraying since turf injury may result.

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

✓ Do not apply PROGRASS within 8 weeks following the application of a Plant Growth Regulator

## DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not graze livestock on treated turf. Do not feed treated grass clippings to livestock. Read entire Directions for Use and Disclaimer of Warranties before using this product.

### SPRAY EQUIPMENT

Apply PROGRASS using standard low pressure (20-50 psi) spray equipment. Spray equipment should be carefully calibrated before use and checked frequently during application to see that it is functioning properly.

**Avoid overlaps since turf injury may result.**

The spray tank and line should be thoroughly cleaned and rinsed prior to using PROGRASS.

### I. OVERSEEDED BERMUDAGRASS TURF

For preemergence and/or postemergence control of annual bluegrass and common chickweed in dormant bermudagrass overseeded with perennial ryegrass.

### TIMING OF APPLICATION

Apply PROGRASS only to dormant bermudagrass in the fall 15 to 30 days after overseeding with perennial ryegrass. One or two supplemental applications at 30 to 60 day intervals may be required to maintain control through the winter months. **Do not apply PROGRASS after February 1.** Late applications may temporarily delay resumption of active growth habit of bermudagrass in the spring.

Note: Initial PROGRASS treatment may cause premature onset of dormancy or injury to bermudagrass which is not yet fully dormant.

#### DOSAGE RATES

Initial application: use  $2\frac{1}{2}$ - $1\frac{1}{2}$  gallons per acre in 20-60 gal. water, or 2-4 oz. per 1000 sq. ft. in 1-2 gal. water. Supplemental applications:  $2\frac{1}{2}$  gallons per acre in 20-60 gal. water, or 2 oz. per 1000 sq. ft. in 1-2 gal. water. **Do not apply more than  $2\frac{1}{2}$  gallons per acre during the recommended application period.**

#### II. ESTABLISHED PERENNIAL RYEGRASS TURF

For preemergence and/or postemergence control of annual bluegrass and common chickweed.

##### TIMING OF APPLICATION

Application is recommended from approximately 2 to 4 weeks prior to the main period of annual bluegrass germination in early fall or late spring, up to 30 days after emergence. Consult Extension Service or University weed specialists for date(s) annual bluegrass germinates in your area. Repeat 1 to 2 times, if needed to maintain control, at 30 to 60 day intervals.

When overseeding with perennial ryegrass, apply PROGRASS to the seeded area 1 to 2 weeks after emergence of the ryegrass seedlings, when the seedlings are approximately 1" tall.

**Overseeding with turf grass species other than ryegrass is not recommended.**

#### DOSAGE RATES

Use  $2\frac{1}{2}$ - $1\frac{1}{2}$  gallons per acre in 20-60 gal. water, or 2-4 oz. per 1000 sq. ft. in 1-2 gal. water.

#### III. NEW SEEDINGS OF PERENNIAL RYEGRASS

For broad spectrum preemergence and postemergence weed control in newly-seeded perennial ryegrass areas.

##### SOIL PREPARATION

The soil should be prepared according to recommended horticultural practice. All existing vegetative growth should be thoroughly worked into the soil before treatment. Trash or vegetative matter left on the soil surface will reduce effectiveness of the PROGRASS treatment.

##### TIMING OF APPLICATION

Apply PROGRASS to the seeded area 1 to 2 weeks after emergence of the ryegrass seedlings, when the seedlings are approximately 1" tall. **Delay application of straw or mulch, if used, until after PROGRASS application.** Presence of straw or mulch on seedbed at time of application will reduce effectiveness of the PROGRASS treatment.

#### DOSAGE RATES

Before weed emergence: For preemergence control of all weeds listed below, apply the following rates:

On sandy loam soils, use 1 gallon per acre in 20 to 60 gal. water, or 2 $\frac{1}{2}$  oz. per 1000 sq. ft. in 1 to 2 gal. water.

On silt or clay loam soils, use 1 $\frac{1}{2}$  gallons per acre in 20 to 60 gal. water, or 4 oz. per 1000 sq. ft. in 1 to 2 gal. water.

After weed emergence: For postemergence control of annual bluegrass and common chickweed, apply PROGRASS at the earliest possible growth stage but no later than 14 days after emergence. For best results spray before the 6-leaf stage of growth. Use  $2\frac{1}{2}$ - $1\frac{1}{2}$  gallons per acre in 20-60 gal. water, or 2-4 oz. per 1000 sq. ft. in 1-2 gal. water. Repeat 1 to 2 times, if needed to maintain control, at 30 to 60 day intervals.

##### IRRIGATION

Irrigate immediately after seeding, and as frequently thereafter as needed to maintain a moist soil surface for optimum germination and growth of ryegrass seedlings.

#### IV. ESTABLISHED KENTUCKY BLUEGRASS TURF

For the control of annual bluegrass (*Poa annua*) in established Kentucky Bluegrass on golf courses or other commercial turf. Golf course applications are restricted to fairways and roughs only.

##### APPLICATION

Do not apply PROGRASS to Kentucky Bluegrass which has been cut  $\frac{3}{4}$  inch or less in height. Do not apply PROGRASS to turf established less than 8 weeks.

Not for use on sod or homeowner lawns.

#### DOSAGE RATES

Apply  $\frac{1}{2}$  gallon per acre in 20-60 gal. water per application of PROGRASS 1.5 E.C.; three applications are recommended, using a 21 to 30 day interval between applications.

##### TIMING OF APPLICATION

1. Northern California - Do not apply first application of PROGRASS prior to October 1. Do not apply last application after January 1.

2. All other areas - Do not apply first application of PROGRASS prior to September 1. Do not apply last application after December 1.

##### RE-SEEDING

Do not re-seed Kentucky Bluegrass within six (6) weeks following the last PROGRASS application. Do not apply first PROGRASS application earlier than eight (8) weeks following over-seeding.

#### V. CREEPING BENTGRASS

(Not for use in California)

PROGRASS 1.5 EC may be used for preemergence control of annual bluegrass (*Poa annua*) in creeping bentgrass.

Applications on bentgrass are restricted to golf course fairways and roughs.

Do not apply PROGRASS to putting greens or tees. Do not apply PROGRASS to renovated or overseeded fairway turf less than six (6) weeks after seedling emergence.

#### DOSAGE RATES

Apply  $\frac{1}{2}$  gallon per acre in 20-60 gal. water. On established turf, two-three applications are recommended using a 21 to 30 day interval between treatments.

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On renovated or overseeded turf, make no more than two applications of PROGRASS using a 21 to 30 day interval.

#### **TIMING OF APPLICATION**

Do not apply PROGRASS prior to September 1. Do not apply the last application after December 1 or after soil temperature is below 40°F.

Do not seed creeping bentgrass within six (6) weeks following the last PROGRASS application.

#### **IMPORTANT: READ BEFORE USE**

By using this product, user accepts the following conditions, warranty, disclaimer of warranties and limitations of liability

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible.

**DISCLAIMER OF WARRANTIES:** THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM FAILURE TO USE THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS.

**LIMITATIONS OF LIABILITY:** In no event shall NOR-AM Chemical Company's liability for damages arising out of the use of this product exceed the purchase price of the product used.

NOR-AM Chemical Company 1985