

# EMBARK(R) E-Z-TU-USE PLANT GROWTH REGULATOR (PGR)

Reduces Frequency of Mowing and Trimming of Certain Grasses and Ornamentals

**ACTIVE INGREDIENT:**

Diethanolamine salt of mefluidide*(N-[2,4-dimethyl-5-[[ (trifluoromethyl)-sulfonyl]amino]phenyl]acetamide).....	3.2%**
INERT INGREDIENTS.....	<u>96.8%</u>
TOTAL	100.00%

\*U.S. Patent Nos. 3,639,474; 3,894,078; 4,013,444.

\*\*Equivalent to 0.2 lbs. (2.1% by weight) (N-[2,4-dimethyl-5-[[ (trifluoromethyl)-sulfonyl]amino]phenyl]acetamide) per gallon.

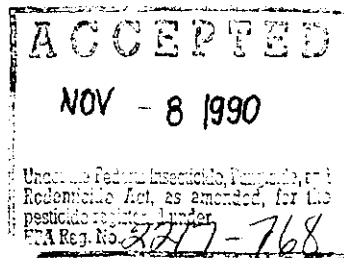
**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See other panels for Statement of Practical Treatment and additional Precautionary Statements.

NET CONTENTS

681/289 AP  
EPA REG. NO. 2217-768  
EPA EST. NO. 2217-KS-1  
EPA EST. NO. 2217-KS-2



Mfd. BY PB/GORDON CORPORATION  
KANSAS CITY, KANSAS 66118

STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if swallowed or absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wear protective clothing including rubber gloves when handling.

**Statement of Practical Treatment**

**IF SWALLOWED:** Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Get medical attention.

**IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.

**IF INHALED:** Remove victim to fresh air.

**IF ON SKIN:** Wash with plenty of soap and water.

**Environmental Hazards**

Do not apply directly to lakes, ponds, or streams. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water or wetlands. Do not allow spray to drift onto non-target crops or vegetation.

**DIRECTIONS FOR USE**

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

**(OPTION 1)**

**STORAGE AND DISPOSAL IN RESIDENTIAL AND HOUSEHOLD AREAS:**

Store product in original container only and in a locked storage area. For disposal, rinse thoroughly and securely wrap original container in several layers of newspaper and discard in trash. Do not reuse empty container.

EMBARK(R) E-Z-TU-USE PGR is recommended for use in residential areas for regulating the growth of various species of turfgrasses. When applied to turfgrasses, EMBARK(R) E-Z-TU-USE PGR reduces mowing requirements for up to 6 weeks following treatment by regulating growth and suppressing seedhead formation.

**RECOMMENDED USE AREAS:**

EMBARK(R) E-Z-TU-USE PGR is recommended for use on less-maintained turfgrass areas such as out-of-the-way backyard areas, vacant lots, road and curbside grass, fenceline areas, steep banks, vacation home areas, rocky or rough terrain grass areas, and other fringe turf areas that are difficult to mow and where pristine, fine quality turf is not a priority.

**Note:** EMBARK(R) E-Z-TU-USE PGR is a plant growth regulator and will not provide herbicidal control of weeds. For weed control, EMBARK(R) E-Z-TU-USE PGR should be applied with a broadleaf herbicide such as ACME SUPER WEED-NO-MORE(R) or other WEED-NO-MORE(R) brand products. It is essential to follow label directions exactly for both the and the EMBARK(R) E-Z-TU-USE PGR and the broadleaf herbicide used.

For residential turf areas that are frequently maintained and trimmed, or for home lawn areas which present a pristine quality, fine turf appearance, EMBARK(R) E-Z-TU-USE PGR applications may not be suitable.

**Edging:**

EMBARK(R) E-Z-TU-USE PGR may also be used for edging and trimming grass when uniformly applied with pump type sprayers or hose-end sprayers.

Apply along and around obstacles bordering such areas as sidewalks, driveways, trees, and fences where grass is desired to meet the obstacle, but growth regulation is desired to avoid trimming.

**SPRAY EQUIPMENT:**

EMBARK(R) E-Z-TU-USE PGR may be applied to localized turfgrass areas with small spray units such as hand pump tank type and hose-end sprayers.

It is essential that the spray equipment is operating properly and is delivering the correct recommended dosage rates. Accordingly, a trial application over a measured area is recommended.

**MIXING:**

Since EMBARK(R) E-Z-TU-USE PGR is soluble in water, minimal mixing with the final spray solution is required. Accordingly, when mixing in spray equipment other than a hose-end sprayer, pour the required amount of EMBARK(R) E-Z-TU-USE PGR into the spray tank containing approximately one-half the required amount of water. Fill the tank as required with water and spray as recommended.

**RINSING:**

Triple rinse the EMBARK(R) E-Z-TU-USE PGR container with water and pour the rinse solution into the spray tank prior to spraying. Do not use spray equipment for other purposes until thoroughly cleaned. Flush spray equipment with plenty of water immediately after use to avoid contamination of later sprays.

For hose-end sprayers, thoroughly rinse spray container and spray solution onto treated area.

**TURFGRASSES:**

When applied according to the application rates specified, EMBARK(R) E-Z-TU-USE PGR will regulate the growth of the following turfgrasses:

- Kentucky and Annual Bluegrass
- Tall, Red and Chewings Fescue
- Perennial Ryegrass
- Timothy
- Reed Canarygrass
- Kikuyugrass
- Centipedegrass
- Crested Wheatgrass
- Orchardgrass
- Smooth Bromegrass

**RECOMMENDED APPLICATIONS:**

Apply EMBARK(R) E-Z-TU-USE PGR to well established turf areas when grass is green and actively growing. At the time of treatment, turf should be at the height which is desired to be maintained during the period of growth regulation. Do not apply to closely-mowed areas where most of the green growth has been cut. Turf may be mowed up to one day before application. Remove all grass clippings and leaves prior to treatment. EMBARK(R) E-Z-TU-USE PGR may be applied more than once per season. However, wait until the grass resumes active growth and then mow prior to the next application for a more uniform turf appearance. Wait at least six weeks between applications. While a second mowing after spraying should not be necessary for 6 weeks some trim mowing may be desirable to maintain a uniform, even appearing turf area.

To maintain a healthy, well-groomed turf area, continue to water grass on a regular basis and use fertilizers, herbicides, insecticides, or fungicides as needed.

In comparison with untreated, actively growing grass, treated turf which is maintained in height by EMBARK(R) E-Z-TU-USE PGR may appear less dense and temporarily discolored following application. With increasing time, however, EMBARK(R) E-Z-TU-USE PGR treated turf may appear darker green than untreated areas.

**Pressure Sprayers:** Measure indicated amount of EMBARK(R) E-Z-TU-USE PGR into tank and dilute with water according to the following chart. Use a spray pattern that will give a uniform full coverage spray to the area indicated. Avoid spray overlaps that will increase dosage above those recommended.

Amt. EMBARK(R) To Use (Tbsp.)	(Fl.Oz.)	Amt. of Water in Sprayer (Gallons)	Area To Be Sprayed (Sq. Ft.)
2	1	1	200
4	2	2	400
6	3	3	600

**HOSE-END SPRAYERS:**

Apply EMBARK(R) E-Z-TU-USE PGR to well established turf areas when grass is green and actively growing. To ensure good coverage, spray until grass is thoroughly wet down to the soil without drenching the soil. For best results use a hose-end sprayer designed for lawns and capable of delivering 7-10 gallons of water per 1,000 sq. ft. Put recommended amount of product (column 1) in bottle and add water to indicated level (column2), and spray on area shown in column 3.

Column 1 Amt. EMBARK(R) To Use (Tbsp.)	Column 2 Fill Bottle To (Gallons)	Column 3 Area to Treat (Sq. Ft.)
4	4	400
10	10	1000
14	14	1400
20	20	2000
32	32	3000

**LIMITATIONS:**

EMBARK(R) E-Z-TU-USE PGR should not be applied to golf greens.

Do not apply EMBARK(R) E-Z-TU-USE PGR to turf areas within four growing months after seeding and do not reseed within two weeks following application.

Do not use in areas where there is heavy foot traffic.

Do not allow animals to graze on treated areas.

Optimum results may not be obtained if rainfall or overhead irrigation occurs within 8 hours following application.

Avoid spray drift onto non-target foliage.

Avoid drift onto food crops.

Do not wash foliage for at least 24 hours. If rain occurs within 8 hours, dilution of spray may occur.

Do not apply to stressed, diseased, or otherwise unhealthy grass.

Do not apply to plants grown in containers.

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

**(OPTION 2)**

**STORAGE AND DISPOSAL IN RESIDENTIAL AND HOUSEHOLD AREAS:**

Store product in original container only and in a locked storage area. For disposal, rinse thoroughly and securely wrap original container in several layers of newspaper and discard in trash. Do not reuse empty container.

EMBARK(R) E-Z-TU-USE PGR is recommended for use in residential areas for regulating the growth of various species of turfgrasses and ornamentals. When applied to turfgrasses, EMBARK(R) E-Z-TU-USE PGR reduces mowing requirements for up to 6 weeks following treatment by regulating growth and suppressing seedhead formation.

**RECOMMENDED USE AREAS:**

EMBARK(R) E-Z-TU-USE PGR may be applied to turfgrasses or ornamentals in the following areas:

Public-Residential: Home lawns, schools, libraries, hospitals, cemeteries, golf courses, parks, walkways, condominiums, and apartment complexes.

Agricultural Premises: Around farm buildings, storage sheds, and implement storage areas.

**EDGING:**

EMBARK(R) E-Z-TU-USE PGR may also be used for edging and trimming grass or ornamentals when uniformly applied with pump type sprayers or hose-end sprayers.

For turf, apply along and around obstacles bordering such areas as sidewalks, driveways, trees, and fences where grass is desired to meet the obstacle, but growth regulation is desired to avoid trimming.

EMBARK(R) E-Z-TU-USE PGR is recommended for use on less-maintained turf grass areas such as: out-of-the-way backyard areas, vacant lots, road and curbside grass, fenceline areas, steep banks, vacation home areas, rocky or rough terrain grass areas, and other fringe turf areas that are difficult to mow and where pristine, fine quality turf is not a priority.

Note: EMBARK(R) E-Z-TU-USE PGR is a plant growth regulator and will not provide herbicidal control of weeds. For weed control, EMBARK(R) E-Z-TU-USE PGR should be applied with a broadleaf herbicide such as ACME SUPER WEED-NO-MORE(R) or other WEED-NO-MORE(R) brand products. It is essential to follow label directions exactly for both the EMBARK(R) E-Z-TU-USE PGR and the broadleaf herbicide used.

For residential turf areas that are frequently maintained and trimmed, or for home lawn areas which present a pristine quality, fine turf appearance, EMBARK(R) E-Z-TU-USE PGR applications may not be suitable.

**SPRAY EQUIPMENT**

EMBARK(R) E-Z-TU-USE PGR may be applied to localized turfgrass areas with small spray units such as hand pump tank type or hose-end sprayers, or to larger areas with conventional spray equipment fitted with a spray boom, off centered nozzles, or handgun.

*It is essential that the spray equipment is operating properly and is delivering the correct recommended dosage rates. Accordingly, a trial application over a measured area is recommended.*

**MIXING:**

Since EMBARK(R) E-Z-TU-USE PGR is soluble in water, minimal mixing with the final spray solution is required. Accordingly, when mixing in spray equipment other than a hose-end sprayer, pour the required amount of EMBARK(R) E-Z-TU-USE PGR into the spray tank containing approximately one-half the required amount of water. Fill the tank as required with water and spray as recommended.

**RINSING:**

Triple rinse the EMBARK(R) E-Z-TU-USE PGR container with water and pour the rinse solution into the spray tank prior to spraying. Do not use spray equipment for other purposes until thoroughly cleaned. Flush spray equipment with plenty of water immediately after use to avoid contamination of later sprays.

For hose-end sprayers, thoroughly rinse spray container and spray solution onto treated area.

**RECOMMENDED APPLICATIONS USING CONVENTIONAL SPRAY EQUIPMENT**

**TURFGRASS** Apply EMBARK(R) E-Z-TU-USE PGR uniformly to green, actively growing grass. At the time of treatment, turf should be at the height which is desired to be maintained during the period of growth regulation. For season-long seedhead suppression of cool season grasses, apply no later than when the seedhead can be felt at the base of the stem (approximately two weeks prior to seedhead appearance). Do not apply to closely-mowed areas where most of the green growth has been cut. Turf may be mowed up to one day before or three to seven days after application. Remove all grass clippings and leaves prior to treatment. Avoid spray overlaps that will increase dosage above those recommended. EMBARK(R) E-Z-TU-USE PGR may be applied more than once per season. However, wait until the grass resumes active growth and then mow prior to the next application for a more uniform turf appearance. Wait at least 6 weeks between applications. Use the higher rate of application where the greatest growth regulation and seed head suppression are desired. In comparison with untreated, actively growing grass, treated turf which is maintained in height by EMBARK(R) E-Z-TU-USE PGR may appear less dense and temporarily discolored following application. With increasing time, however, turf may appear darker green than untreated areas.

**ORNAMENTALS:** EMBARK(R) E-Z-TU-USE PGR reduces pruning and trimming for up to 8 weeks by regulating growth and/or inhibiting flower formation. Apply to foliage as a full coverage spray to the point of runoff and foliage penetration. Applications should be made to healthy, actively growing plants 7-14 days after pruning or trimming.

For flower inhibition of olive trees, apply EMBARK(R) E-Z-TU-USE PGR to foliage as a full coverage spray to runoff at pre-bloom (tight bud stage) through the 5% bloom stage.

When applied according to the application rates specified, EMBARK(R) E-Z-TU-USE PGR will regulate the growth of the following ornamentals:

APPLICATION RATE TABLE USING CONVENTIONAL OR PORTABLE TANK TYPE PRESSURE SPRAYER

-----  
 Use on: Turfgrasses Amount of EMBARK(R) E-Z-TU-USE PGR  
Per 1,000 Sq. Ft. in 3 Gal. Water  
 -----

Kentucky and Annual Bluegrass 4-8 Fl. Oz  
 Tall, Red and Chewing Fescue  
 Perennial Ryegrass  
 Timothy  
 Reed Canarygrass  
 Quackgrass  
 Kikuyugrass  
 Centipedegrass

-----  
 Crested Wheatgrass 6-8 Fl. Oz.  
 Orchardgrass  
 Smooth Bromegrass

-----  
 St. Augustinegrass 4 Fl. Oz.  
 -----

)  
 ) Common Bermudagrass 16 Fl. Oz.  
 =====

-----  
 Use on: Ornamentals Amount of EMBARK(R) E-Z-TU-USE PGR  
Per Gallon Water  
 =====

Abelia 6 - 1/2 Fl. Oz.  
 Barberry  
 Bottlebrush  
 Bougainvillea  
 Boxwood (Buxus sp.)  
 Crepe Myrtle  
 Elaeagnus  
 Euonymus  
 Ficus  
 Hibiscus  
 ) Holly (Ilex sp.)  
 ) Jasmine  
 Laurel  
 Melaleuca  
 Nandina  
 Oleander  
 Osmanthus  
 Photinia  
 Pittosporum  
 Podocarpus  
 Privet (Ligustrum sp.)  
 Pyracantha  
 Viburnum  
 Xylosma  
 Yaupon

-----  
 Ornamental Olive Trees 1 - 1/2 Fl. Oz.  
 -----

8/21

### RECOMMENDED APPLICATIONS USING HOSE-END/HIGH VOLUME APPLICATIONS

#### TURFGRASS

Apply EMBARK(R) E-Z-TU-USE PGR to well established turf areas when grass is green and actively growing. To ensure good coverage, spray until grass is thoroughly wet down to the soil without drenching the soil. For best results use a hose-end sprayer capable of delivering 7-10 gallons of water per 1,000 sq. ft. For a uniform appearance to the grass area, a mowing is recommended one to two days prior to spraying EMBARK(R) E-Z-TU-USE PGR. While a second mowing after spraying should not be necessary for 3-6 weeks, some trim mowing may be required to maintain a uniform, even appearing turf area. A repeat application may be made to turf; however, wait until the grass resumes active growth and then mow prior to the next application for a more uniform turf appearance. Wait at least 6 weeks between applications. To maintain a healthy, well groomed turf area, continue to water grass on a regular basis and use fertilizers, herbicides, insecticides, or fungicides as needed.

When applied according to the application rates specified, EMBARK(R) E-Z-TU-USE PGR will regulate the growth of the following turfgrasses:

- |                               |                    |
|-------------------------------|--------------------|
| Kentucky and Annual Bluegrass | Kikuyugrass        |
| Tall, Red and Chewings Fescue | Centipedegrass     |
| Perennial Ryegrass            | Crested Wheatgrass |
| Timothy                       | Orchardgrass       |
| Reed Canarygrass              | Smooth Bromegrass  |
| Quackgrass                    |                    |

**Pressure Sprayers:** Measure indicated amount of EMBARK(R) E-Z-TU-USE PGR into tank and dilute with water according to the following chart. Use a spray pattern that will give a uniform full coverage spray to the area indicated. Avoid spray overlaps that will increase dosage above those recommended.

Amt. EMBARK(R) To Use (Tbsp.)	(Fl.Oz.)	Amt. of Water in Sprayer (Gallons)	Area To Be Sprayed (Sq. Ft.)
2	1	1	200
4	2	2	400
6	3	3	600

#### HOSE-END SPRAYERS:

Apply EMBARK(R) E-Z-TU-USE PGR to well established turf areas when grass is green and actively growing. To ensure good coverage, spray until grass is thoroughly wet down to the soil without drenching the soil. For best results use a hose-end sprayer designed for lawns and capable of delivering 7-10 gallons of water per 1,000 sq. ft. Put recommended amount of product (column 1) in bottle and add water to indicated level (column2), and spray on area shown in column 3.



Column 1		Column 2	Column 3
Amt. EMBARK(R) To Use (Tbsp.)	(Fl.Oz.)	Fill Bottle To (Gallons)	Area to Treat (Sq. Ft.)
4	2	4	400
10	5	10	1000
14	7	14	1400
20	10	20	2000
32	16	32	3000

**LIMITATIONS:**

- EMBARK(R) E-Z-TU-USE PGR should not be applied to golf greens.
- Do not apply EMBARK(R) E-Z-TU-USE PGR to turf areas within four growing months after seeding and do not reseed within two weeks following application.
- Do not use in areas where there is heavy foot traffic.
- Do not allow animals to graze on treated areas.
- Optimum results may not be obtained if rainfall or overhead irrigation occurs within 8 hours following application.
- Avoid spray drift onto non-target foliage.
- Avoid drift onto food crops.
- Do not wash foliage for at least 24 hours. If rain occurs within 8 hours, dilution of spray may occur.
- Do not apply to stressed, diseased, or otherwise unhealthy grass or ornamentals.
- Do not apply to plants grown in containers.
- Do not apply this product through any type of irrigation equipment.

**(OPTION 3)****STORAGE AND DISPOSAL**

**STORAGE:** Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

EMBARK(R) E-Z-TU-USE PGR is recommended for regulating the growth of various species of turfgrasses, broadleaf vegetation, and ornamentals in public, commercial and industrial areas.

**SPRAY EQUIPMENT:**

The following spray equipment is recommended for:

**Ornamentals and Groundcover:** Use a power sprayer equipped with hand-held or vehicular-mounted equipment that will deliver sufficient spray to penetrate dense foliage and provide thorough coverage of all parts of shrubs or plants.

**Turfgrasses:** Use conventional power spray equipment fitted with a spray boom, off-center nozzles, or handgun. Handpump sprayers are suitable for edging or spot treatments.

**MIXING:**

Pour the required amount of EMBARK(R) E-Z-TU-USE PGR into the spray tank containing approximately 1/2 the required amount of water. Fill the tank as required with water and spray as recommended.

Minimal agitation in the spray tank is necessary since EMBARK(R) E-Z-TU-USE PGR is soluble in water.

**CALIBRATION:**

It is essential that spray equipment is properly adjusted and calibrated to assure proper dosage and uniform spray coverage. Follow the spray equipment manufacturer's directions for cleaning, adjusting pressure and selecting appropriate nozzles.

**RINSING:**

Triple rinse the EMBARK(R) E-Z-TU-USE PGR container with water and pour the rinse solution into the spray tank prior to spraying. Do not use spray equipment for other purposes until thoroughly cleaned. Flush spray equipment with plenty of water immediately after use to avoid contamination of later sprays.

**TURFGRASSES**

**RECOMMENDED APPLICATIONS - TURFGRASSES**

**RECOMMENDED USE AREAS:**

EMBARK(R) E-Z-TU-USE PGR may be applied to specified turfgrasses in commercial, public and certain agricultural areas such as:

- ) COMMERCIAL-INDUSTRIAL: Highway rights-of-way, utility rights-of-way, buildings, industrial parks, tank farms, airports.
- ) PUBLIC: Schools, libraries, hospitals, cemeteries, golf courses, parks, roads, walkways.
- AGRICULTURAL PREMISES: Around farm buildings, storage sheds, implement storage areas, and roadsides.

**MOWING:**

When mowing after application: For an evenly trimmed appearance grass may be mowed 3-7 days after EMBARK(R) E-Z-TU-USE PGR is applied. When mowing before application: Grass may be mowed up to two days before applying EMBARK(R) E-Z-TU-USE PGR. Clippings and other debris should be removed before spraying. If mowing removes most of the green leaf tissue, spraying should be delayed until sufficient new growth develops to assure product absorption into green leaves.

When mowing is not desired or practical: Apply EMBARK(R) E-Z-TU-USE PGR in the spring, after greenup, but before mowing is necessary, thus avoiding mowing until growth regulation wears off.

- ) Tank mixing with herbicides: EMBARK(R) E-Z-TU-USE PGR may be tank mixed with one of the following herbicides to control broadleaf weeds:

HERBICIDE	MAXIMUM RATE
APOLLO-445	2 gallons/acre
SELECT-TROL	2 gallons/acre
2,4-D low volatile ester and amine salt formulations	2 lbs. active ingredient/acre
MCPP in amine salt formulations	2 lbs. active ingredient/acre

**ROADSIDE AND LOW MAINTENANCE TURF:**

Maximum benefits, including season long seedhead suppression of cool-season grasses, can be attained by applying 1 7/8 to 2 1/2 gallons/acre of EMBARK(R) E-Z-TU-USE PGR with surfactant after uniform grass greenup until approximately 2 weeks before seedhead appearance. Use the 2 1/2 gallon rate for maximum seedhead suppression during the last week of this period. If applied less than two weeks prior to seedhead appearance, EMBARK(R) E-Z-TU-USE PGR applications will continue to give vegetative growth suppression for up to 8 weeks, however, a mowing will be necessary to eliminate seedheads. For roadside and low maintenance turf in California, follow the recommended rates according to the California rate table.

**Surfactants:** The use of a non-ionic surfactant, for example, GROUNDMASTER SWA (except Calif.) is recommended to increase the extent and consistency of turfgrass regulation on roadside and low maintenance turf only. The surfactant rate is recommended at 0.25 to 0.5% V/V (1 to 2 quarts/100 gallons finished spray solution). Temporary, slight discoloration of turf also may increase with the use of a surfactant.

**LIMITATIONS:**

Do not apply EMBARK(R) E-Z-TU-USE PGR to golf greens. Do not apply to turf areas within 4 growing months after seeding and do not reseed within 3 days following application (except Calif. where reseeding may not occur within 2 weeks). Turf treated with EMBARK(R) E-Z-TU-USE PGR may appear less dense and temporarily discolored when compared with untreated, actively-growing turf. However, with increasing time, turf may appear darker green than untreated areas. Optimum results may not be obtained if rainfall or overhead irrigation occurs within 8 hours following application. Do not allow animals to graze on treated areas.

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

**APPLICATION RATE TABLE:**

**TURFGRASS**

**Recommendations:**

EMBARK(R) E-Z-TU-USE PGR applied to turfgrass, reduces mowing requirements for up to 6 weeks following treatment by regulating growth and preventing seedhead formation. Apply EMBARK(R) E-Z-TU-USE PGR uniformly to green, actively growing turf. For season-long seedhead suppression of cool-season grasses, apply no later than when the seedhead can be felt at the base of the stem (approximately 2 weeks prior to seedhead appearance). Do not apply to closely mowed areas, where most of the green growth has been cut. Remove excessive grass clippings and leaves prior to treatment. Avoid spray overlaps that will increase dosage above those recommended. EMBARK(R) E-Z-TU-USE PGR may be applied more than once per season, however, wait at least 6 weeks between applications. In turfgrass renovation programs, areas treated with EMBARK(R) E-Z-TU-USE PGR may be reseeded 3 days following application (except Calif. where reseeding may not occur within 2 weeks).

**RECOMMENDED RATE OF  
EMBARK(R) E-Z-TU-USE PGR**

SPECIES	PER ACRE IN	PER 1000 SQ.FT.	REMARKS
	15-150 GAL. WATER*	IN 3 GALLONS WATER	
Annual Bluegrass** (Poa annua) (seedhead suppression)	2 1/2 quarts	2 fl. oz.	For seedhead suppression only apply after uniform greenup but before the first appear-

12/21

ance of seed-heads. Applications after the first seedhead appearance will suppress seedheads which have not emerged.

Kentucky and Annual Bluegrass	1 7/8 gallons	6 fl. oz.	For those grasses recommended at the 1 7/8 gallon rate a slightly longer period of growth regulation can be attained with a 2 1/2 gallon/acre rate. If temporary discoloration of turf occurs and is objectionable reduce the 1 7/8 gallon rate to 1 1/4 gallon/acre.
Tall, Red and Chewings Fescue			
Perennial Ryegrass			
Timothy			
Reed Canarygrass			
Quackgrass			
Kikuyugrass			
Crested Wheatgrass**			
Orchardgrass**			
Smooth Bromegrass**			
Centipedegrass			

-----  
 St. Augustine                    1 1/4 gallons                    4 fl. oz.  
 -----

-----  
 Common Bermudagrass            5 gallons                    15 fl. oz.  
 -----

**CALIFORNIA USE ONLY**

Kentucky and Annual Bluegrass	1 7/8 gallons	6 fl. oz.	For grasses recommended at the 1 7/8 gallon rate, reduce the rate to 1 1/4 gallon/acre if temporary discoloration of turf occurs and is objectionable in turfgrass renovation programs, areas treated with EMBARK(R) E-Z-TU-USE PGR may be reseeded 2 weeks following application.
Tall, Red and Chewings Fescue			
Perennial Ryegrass			
Timothy			
Reed Canarygrass			
Quackgrass			
Centipedegrass			
Kikuyugrass			

-----  
 St. Augustinegrass            1 1/4 gallons                    4 fl. oz.  
 -----

-----  
 Common Bermudagrass            5 gallons                    15 fl. oz.  
 -----

NATIVE GRASSES AND BROADLEAF VEGETATION

Grasses:	2 1/2 gallons	8 fl. oz.	For native grasses and broadleaf vegetation, areas with high soil fertility may require up to 5 gallons/acre.
Wild Barley, Red Brome, Ripgut			
Brome, Wild Oats			
Broadleaves:			
Cheeseweed, Sour Clover, Fiddleneck, Redstem Filaree, Black Mustard			

\* The amount of water used to give adequate and uniform spray coverage is dependent on the type of spray equipment used.

\*\* Except California.

ORNAMENTALS  
RECOMMENDED APPLICATIONS - ORNAMENTALS

RECOMMENDED USE AREAS:

EMBARK(R) E-Z-TU-USE PGR may be applied to specified ornamentals and groundcover in commercial and public areas such as:

- COMMERCIAL-INDUSTRIAL: Highway rights-of-way, utility rights-of-way, buildings, industrial parks, tank farms, airports.
- PUBLIC: Schools, libraries, hospitals, cemeteries, golf courses, parks, roads, walkways.

LIMITATIONS:

Avoid spray drift on non-target foliage. Avoid drift on food crops. Do not wash foliage for at least 8 hours after application. If rain occurs with 8 hours, dilution of spray may occur. Do not apply to plants that are stressed, diseased, or otherwise unhealthy. Do not apply to plants grown in containers. Before using EMBARK(R) E-Z-TU-USE PGR on ornamentals, thoroughly clean spray tank to remove any broadleaf herbicide that may be present.

APPLICATION RATE TABLE:

ORNAMENTALS RECOMMENDATIONS:

EMBARK(R) E-Z-TU-USE PGR, applied as a full coverage spray to specified ornamental shrubs, hedges, trees and groundcover reduces trimming and pruning for up to 8 weeks by regulating growth.

RECOMMENDED RATE OF  
EMBARK(R) E-Z-TU-USE PGR

SPECIES	PER 100 GAL. WATER*	PER GALLON WATER	REMARKS
Ligustrum, Japanese	5 gallons	6 1/2 fl. oz.	For growth regulation, apply EMBARK(R) E-Z-TU-USE PGR as a full
Pyracantha			
English Ivy			
Burford Holly			

Japanese Holly  
(except Calif.)

14/.

coverage spray to runoff and foliage penetration. Applications should be made to healthy, actively growing plants 7-14 days after pruning or trimming. Once the plant resumes active growth, pruning and repeat applications may be made.

---

Ornamentals

CALIFORNIA USE ONLY

Groundcover:

5 gallons 6 1/2 fl. oz.

) African Daisy,  
) Capeweed, Iceplant,  
) English Ivy,  
) Algerian Ivy

Shrubs and Trees:

Acacia, Bottlebrush,  
Brazilian Pepper  
Tree, Carob, Ficus,  
Hibiscus

---

Burford Holly, 5 gallons 6 1/2 fl. oz.  
Melaleuca, Oleander,  
Photinia, Pittosporum,  
Podocarpus, Privet  
(Ligustrum sp.),  
Pyracantha,  
) Raphiolepis,  
) Viburnum,  
) Xylosma.

---

Ornamental Olive 1 1/4 gallons 1 2/3 fl. oz.  
Trees

For flower inhibition of olive trees, apply EM-BARK(R) E-Z-TU-USE PGR to foliage as a full coverage spray to runoff at pre-bloom (tight bud stage) through the 5% bloom stage. Trees 20 to 30 ft. in height will require 10 to 15 gallons of finished spray solution per tree.

**OPTION 4**

**STORAGE AND DISPOSAL**

**STORAGE:** Do not contaminate water, food, or feed by storage or disposal. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**RECOMMENDED USE AREAS and BENEFITS**

EMBARK(R) E-Z-TU-USE PGR may be applied to specified turfgrasses and ornamentals in commercial, public and certain agricultural areas such as:

Commercial-Industrial: Highway rights-of-way, utility rights-of-way, buildings, industrial parks, tank farms, airports.

Public: Home lawns, schools, libraries, hospitals, cemeteries, golf courses, parks, walkways.

Agricultural Premises: Around farm buildings, storage sheds, implement storage areas, and roadsides.

Non-crop Wide Outdoor Areas: Backyard areas, vacant lots, road and curbside grass, fenceline areas, steep banks, vacation home areas, rocky or rough terrain grass areas, and other fringe turf areas that are difficult to mow.

For turfgrasses, EMBARK E-Z-TU-USE PGR reduces mowing requirements for up to 4 weeks following treatment by regulating growth and suppressing seedhead formation.

For ornamentals, EMBARK E-Z-TU-USE PGR reduces pruning and trimming for up to 8 weeks by regulating growth and/or inhibiting flower formation.

**SPRAY EQUIPMENT and MIXING INSTRUCTIONS**

The following spray equipment is recommended for:

Turfgrasses - Use conventional power spray equipment fitted with a spray boom, off-center nozzles, or handgun. Hose-end sprayers are appropriate for localized spot treatments or broadcast treatments on larger turfgrass areas. Handpump sprayers are suitable for edging or spot treatments.

Ornamentals and Groundcover - Use a power sprayer equipped with hand-held or vehicular-mounted equipment that will deliver sufficient spray to penetrate dense foliage and provide thorough coverage of all parts of shrubs or plants.

CALIBRATION - It is essential that spray equipment is properly adjusted and calibrated to assure proper dosage and uniform spray coverage. Follow the spray equipment manufacturer's directions for cleaning, adjusting pressure and selecting appropriate nozzles.

MIXING - Pour the required amount of EMBARK E-Z-TU-USE PGR into the spray tank containing approximately 1/2 the required amount of water. Fill the tank as required with water and spray as recommended. Minimal agitation in the spray tank is necessary since EMBARK E-Z-TU-USE PGR is soluble in water.

SURFACTANTS - For low-maintenance turf and roadsides only, the use of a non-ionic surfactant is recommended to increase the extent and consistency of the growth regulation. The suggested surfactant rate is 0.25 to 0.50% v/v or 1 to 2 quarts per 100 gallons of finished spray solution. Temporary, slight discoloration of the turf may increase with the use of a surfactant.

**RINSING** - Triple rinse the EMBARK E-Z-TU-USE PGR container with water and pour the rinse solution into the spray tank prior to spraying. Do not use spray equipment for other purposes until thoroughly cleaned. Flush spray equipment with plenty of water immediately after use to avoid contamination of later sprays.

**TURFGRASS APPLICATIONS USING CONVENTIONAL EQUIPMENT**

EMBARK E-Z-TU-USE PGR applied to turfgrass reduces the mowing requirements and the clipping weights for up to 4 weeks after treatment.

**Timing:**

Apply EMBARK E-Z-TU-USE PGR uniformly to green, actively growing grass. At the time of treatment, turf should be at the height which is desired to be maintained during the period of growth regulation. For season-long seedhead suppression of cool season grasses, apply no later than when the seedhead can be felt at the base of the stem (approximately two weeks prior to seedhead appearance).

**Mowing and Irrigation:**

Mowing before application - Grass may be mowed up to two days before applying EMBARK E-Z-TU-USE PGR. Clippings and other debris should be removed before spraying. If mowing removes most of the green leaf tissue, spraying should be delayed until sufficient new growth develops to assure product absorption into green leaves.

Mowing after application - For an evenly trimmed appearance grass may be mowed 3-7 days after EMBARK E-Z-TU-USE PGR is applied.

Treated areas can be irrigated within 24 hours after application. Optimum results may not be obtained if rainfall or overhead irrigation occurs within 8 hours following application. If rain occurs within 8 hours, dilution of spray may occur.

**RATE RECOMMENDATIONS FOR TURFGRASS USING CONVENTIONAL EQUIPMENT**

SPECIES	AMOUNT OF EMBARK	
	PER ACRE	PER 1000 SQ.FT.
Kentucky and Annual Bluegrass Tall, Red and Chewings Fescue Perennial Ryegrass	5 PINTS	1 3/4 fl. oz.
St. Augustine Grass	10 PINTS	3 2/3 fl. oz.

Spray Volumes: Apply EMBARK E-Z-TU-USE PGR with sufficient water for good coverage. Spray volumes of 15-150 gallons per acre or 3 gallons per 1000 ft<sup>2</sup> are recommended. Uniform application is essential. Avoid spray overlaps that will increase the dosage above those recommended.

**Multiple Applications:**

EMBARK E-Z-TU-USE PGR may be applied more than once per season, however, wait at least 6 weeks between applications. For fall applications, apply at least 2 months before winter dormancy. In turfgrass renovation programs, areas treated with EMBARK E-Z-TU-USE PGR may be reseeded 3 days following application (except California where reseeding may not occur within 2 weeks).



### TURF COLOR AND NITROGEN-IRON COMBINATIONS

Turf treated with EMBARK E-Z-TU-USE PGR may appear less dense and temporarily discolored when compared with untreated, actively-growing turf. However, with increasing time, turf may appear darker green than untreated areas.

The discoloration of cool season grasses caused by EMBARK E-Z-TU-USE PGR may be reduced (masked) by the addition of FeRROME<sup>(R)</sup>C AC LIQUID IRON. The tank mixture of EMBARK E-Z-TU-USE PGR and FeRROME<sup>(R)</sup>C AC applied with spray volumes greater than 90 gallons per acre (2 gallons per 1000 ft<sup>2</sup>) can maintain the turf color. Refer to the FeRROME<sup>(R)</sup>C AC label for dosage rate recommendations.

### HERBICIDE COMBINATIONS FOR TURFGRASS

EMBARK E-Z-TU-USE PGR is a plant growth regulator and will not provide weed control. EMBARK E-Z-TU-USE PGR may be applied with a broadleaf herbicide such as TRIMEC CLASSIC BROADLEAF HERBICIDE, SUPER TRIMEC BROADLEAF HERBICIDE, TRIMEC SOUTHERN BROADLEAF HERBICIDE, and other herbicides labeled for use in turfgrass. It is essential to follow label directions exactly for both the EMBARK E-Z-TU-USE and the broadleaf herbicide used.

### SEEDHEAD SUPPRESSION OF POA ANNUA IN COOL SEASON TURF

EMBARK E-Z-TU-USE PGR may be used for seedhead suppression of Poa annua in golf course fairways. Do not apply EMBARK E-Z-TU-USE PGR to golf greens. The effect of EMBARK E-Z-TU-USE PGR is dependent upon the timing and rate of application.

Timing: For seedhead suppression only, apply after uniform greenup but before the first appearance of seedheads. Applications after the first seedhead appearance will suppress seedheads which have not emerged. Seedheads that have emerged will not be controlled.

### RATE RECOMMENDATIONS FOR POA ANNUA SEEDHEAD SUPPRESSION

SPECIES	AMOUNT OF EMBARK	
	PER ACRE	PER 1000 SQ.FT.
Annual Bluegrass (Poa annua) Seedhead suppression only	2 pts - 5 pts	0.7 floz - 1.8 floz

### TURFGRASS APPLICATIONS USING HOSE-END SPRAYERS

Hose-end sprayers are suitable for localized spot treatments, edging, or broadcast treatments on larger turfgrass areas. When applied according to the application rates specified, EMBARK E-Z-TU-USE PGR will regulate the growth of the following turfgrasses.

- |                               |                    |
|-------------------------------|--------------------|
| Kentucky and Annual Bluegrass | Reed Canarygrass   |
| Tall, Red and Chewings Fescue | Kikuyugrass        |
| Perennial Ryegrass            | Centipedegrass     |
| Timothy                       | St. Augustinegrass |

Timing - Apply EMBARK E-Z-TU-USE PGR uniformly to green, actively growing grass. At the time of treatment, turf should be at the height which is desired to be maintained during the period of growth regulation. For season-long seedhead suppression of cool season grasses, apply no later than when the seedhead can be felt at the base of the stem (approximately two weeks prior to seedhead appearance).

**Mowing and Irrigation**

**Mowing before application:** Grass may be mowed up to two days before applying EMBARK E-Z-TU-USE PGR. Clippings and other debris should be removed before spraying. If mowing removes most of the green leaf tissue, spraying should be delayed until sufficient new growth develops to assure product absorption into green leaves.

**Mowing after application:** For an evenly trimmed appearance grass may be mowed 3-7 days after EMBARK E-Z-TU-USE PGR is applied.

Treated areas may be irrigated within 24 hours after application. Optimum results may not be obtained if rainfall or overhead irrigation occurs within 8 hours following application. If rain occurs within 8 hours, dilution of spray may occur. Management care should be continued on treated areas to promote a vigorous turf.

**RATE RECOMMENDATIONS AND SPRAY VOLUMES FOR HOSE-END SPRAYERS**

Apply 1 3/4 to 3 2/3 fl.oz. of EMBARK E-Z-TU-USE per 1000 sq.ft. with a hose-end sprayer delivering 7-10 gallons of water per 1000 sq.ft. for the eleven turfgrass species. To ensure good coverage, spray until grass is thoroughly wet down to the soil without drenching the soil. Avoid spray overlaps that will increase the dosage above those recommended. Refer to the quick mix table below for spray preparation with areas larger than 1000 sq.ft.

Area To Treat (Sq. Ft.)	Water Level of Sprayer Container (Gallons)	Amount EMBARK To Use (Tbsp)	Amount EMBARK To Use (Fl. Oz.)
1000	10	3 1/2 - 7 1/3	1 3/4 - 3 2/3
1400	14	5 - 10 1/2	2 1/2 - 5 1/4
2000	20	7 - 14 2/3	3 1/2 - 7 1/3
3000	32	10 1/2 - 22	5 1/4 - 11

**MULTIPLE APPLICATIONS**

EMBARK E-Z-TU-USE PGR may be applied more than once per season, however, wait at least 6 weeks between application. For fall application, apply at least 2 months before winter dormancy. In turfgrass renovation programs, areas treated with EMBARK E-Z-TU-USE PGR may be reseeded 3 days following application (except California where reseeding may not occur within 2 weeks).

**TURF COLOR**

Turf treated with EMBARK E-Z-TU-USE PGR may appear less dense and temporarily discolored when compared with untreated, actively-growing turf. However, with increasing time, turf may appear darker green than untreated areas.

**EDGING WITH PUMP TYPE SPRAYERS**

EMBARK E-Z-TU-USE PGR may be used for edging grass when uniformly applied with pump type sprayers. To reduce the mowing frequency of difficult or dangerous turfgrass areas, EMBARK E-Z-TU-USE PGR is recommended for use on the following areas: Out-of-the-way backyard areas, vacant lots, road and curbside grass, fenceline areas, steep banks, vacation home areas, rocky or rough terrain grass areas, and other fringe turf areas that are difficult to mow and where pristine, fine quality turf is not a priority.

Rate Recommendations and Spray Volumes

For Kentucky bluegrass, tall fescue, chewings fescue, red fescue, perennial ryegrass, and St. Augustine grass - Apply 4 fl.oz. of EMBARK E-Z-TU-USE PGR per 1000 sq.ft. with a pump type sprayer delivering 4 gallons of water per 1000 sq.ft. This spray concentration can be applied in a 6 inch band for 2000 linear feet or a 12 inch band for 1000 linear feet. Refer to the spray preparation chart below for areas less than 1000 sq.ft.

For Bermudagrass, apply 16 fl.oz. of EMBARK E-Z-TU-USE PGR per 1000 sq.ft. with a pump type sprayer delivering 4 gallons of water per 1000 sq.ft. This spray concentration can be applied in a 6 inch band for 2000 linear feet or a 12 inch band for 1000 linear feet. Refer to the spray preparation chart below for areas less than 1000 sq.ft.

For all species - Use a spray pattern that will give a uniform full coverage spray to the area indicated. Avoid spray overlaps that will increase dosage above those recommended.

Species:	Area To Be Sprayed (Sq.Ft.)	Amount of Water in Sprayer (Gallons)	Amount To Use (Fl.Oz)	EMBARK (Tbsp.)
Kentucky Bluegrass	250	1	1	2
Tall Fescue, Red	500	2	2	4
Fescue, Chewings	750	3	3	6
Fescue, Perennial	1000	4	4	8
Ryegrass,				
St. Augustinegrass				
	250	1	4	
	500	2	8	
Bermudagrass	750	3	12	
	1000	4	16	

**MULTIPLE APPLICATIONS**

EMBARK E-Z-TU-USE PGR may be applied more than once per season, however, wait at least 6 weeks between application. For fall application, apply at least 2 months before winter dormancy. In turfgrass renovation programs, areas treated with EMBARK E-Z-TU-USE PGR may be reseeded 3 days following application (except California where reseeding may not occur within 2 weeks).

**ORNAMENTALS**

EMBARK E-Z-TU-USE PGR may be applied to specified ornamentals and groundcover in commercial, residential, and public areas.

EMBARK E-Z-TU-USE PGR reduces pruning and trimming for up to 8 weeks by regulating growth and/or inhibiting flower formation.

Timing: Applications should be made to healthy, actively growing plants 7-14 days after pruning or trimming. Once the plant resumes active growth, pruning and repeat applications may be made. For flower inhibition of ornamental olive trees, apply EMBARK E-Z-TU-USE PGR to foliage as a full coverage spray at pre-bloom (tight bud stage) through the 5% bloom stage.

20/21

Spray Volume: For ornamentals, apply EMBARK E-Z-TU-USE PGR to foliage as a full coverage spray to the point of runoff. Spray penetration of dense foliage and thorough coverage of all parts of shrubs, trees, and ornamentals are essential. The spray volume will vary according to tree/shrub size, but trees 20 to 30 in height will require 10 - 15 gallons of finished spray solution per tree.

**RATE RECOMMENDATIONS FOR TREES, SHRUBS, AND ORNAMENTALS**

Species	Amount of EMBARK E-Z-TU-USE PGR Per Gallon of Water
Abelia	6 1/2 Fl. Oz.
Barberry	
Bottlebrush	
Bougainvillea	
Boxwood ( <u>Buxus sp.</u> )	
Crepe Myrtle	
Elaeagnus	
Euonymus	
Ficus	
Hibiscus	
Holly ( <u>Ilex sp.</u> )	
Jasmine	
Laurel	
Melaleuca	
Nandina	
Oleander	
Osmanthus	
Photinia	
Pittosporum	
Podocarpus	
Privet ( <u>Liqustrum sp.</u> )	
Pyracantha	
Viburnum	
Xylosma	
Yaupon	
-----	
Ornamental Olive Trees*	1 1/2 Fl. Oz.
=====	

\*For flower inhibition of olive trees, apply EMBARK E-Z-TU-USE PGR to foliage as a full coverage spray at pre-bloom (tight bud stage) through the 5% bloom stage.

**LIMITATIONS FOR TURFGRASS AND ORNAMENTALS**

EMBARK E-Z-TU-USE PGR should not be applied to golf greens. Do not use in areas where there is heavy foot traffic. Do not apply to stressed, diseased, or otherwise unhealthy grass. Do not apply to plants grown in containers. Optimum results may not be obtained if rainfall or overhead irrigation occurs within 8 hours following application. Do not wash foliage for at least 24 hours. If rain occurs within 8 hours, dilution of spray may occur. Avoid spray drift onto non-target foliage. Avoid drift onto food crops. Do not allow animals to graze on treated areas. Do not apply EMBARK E-Z-TU-USE PGR to turf areas within four growing months after seeding and do not reseed within 3 days following application (except Calif. where reseeding may not occur within 2 weeks). Do not apply this product through any type of irrigation system.

**LIMITED WARRANTY.** Manufacturer warrants that the chemical composition conforms to the ingredient statement given on the label and that this product is suited for the labeled use when applied according to label directions. Because of widely varying use conditions, it is impossible to eliminate all risks even when label directions are followed.

**EXCLUSIONS OF OTHER WARRANTIES AND REMEDIES:** Except where such disclaimers and exclusions are specifically prohibited by applicable law. THE FOREGOING IS THE ONLY GUARANTEE OR WARRANTY APPLICABLE TO THIS PRODUCT AND IS GIVEN EXPRESSLY AND IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ALL SUCH WARRANTIES WHICH EXCEED OR DIFFER FROM SAID LIMITED WARRANTY ARE DISCLAIMED BY MANUFACTURER, and, upon Manufacturer's compliance with said limited warranty. BUYER SHALL HAVE NO REMEDY AGAINST MANUFACTURER FOR ANY TYPE OF DAMAGE OR LOSS, and, IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL DAMAGE OR LOSS.