

2217-759

8-31-2004

NOTIFICATION 1/3

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval Expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

- Registration
- Amendment
- Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 2217-759	2. EPA Product Manager Cynthia Giles-Parker	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) EmbarK® 2-S Plant Growth Regulator	PM# Product Manager, Team 22	
5. Name and Address of Applicant (Include ZIP Code) PBI/Gordon Corporation Post Office Box 014090 Kansas City, Missouri 64101 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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NOTIFICATION

AUG 31 2004

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification per Pesticide Registration Notice (PRN) 98-10:

- Final Printed Labels:** a notification was submitted on July 30, 2004, and this labeling is consistent with the notification. Two (2) copies of the PDF file (printer's proof) intended for EmbarK 2-S Plant Growth Regulator and EmbarK 2-S IVM are enclosed.
- Storage and Disposal:** Metal drums have been previously approved for this product. We ask to include the disposal statements for metal containers for the size of 55 gallons, and to adopt the exact language of the disposal instructions of the *Label Review Manual*.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C Sec. 1001 to willfully make any false statement to the EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Section 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container	
		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name James L. Kunstman, Ph.D.	Title Director of Regulatory Services	Telephone No. (Include Area Code) 816-460-6292
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Director of Regulatory Services	
4. Typed Name James L. Kunstman, Ph.D.	5. Date August 12, 2004	



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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals:
CAUTION: Causes eye irritation. Harmful if inhaled, 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.

FIRST AID

If in eyes:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5555 for emergency medical treatment advice.

Environmental Hazards:
 Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. Do not allow spray to drift onto nontarget crops or vegetation.

DIRECTIONS FOR USE

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

Not for use of turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

STORAGE & DISPOSAL

Pesticide 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: Plastic Containers: Triple rinse (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. Metal Containers: 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.

EMBARC 2-S Frant Growth Regulator (FGR) may be applied to various species of turfgrass, groundcovers, ornamental shrubs and trees for reducing the frequency of mowing and trimming.

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

Spray Equipment:
 The following spray equipment is recommended for:

Ornamentals and Groundcovers: Use a power sprayer equipped with hand-held spray gun 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 and Low Maintenance Grasses: Use conventional power spray equipment fitted with a spray boom, off-center nozzles, or spray gun. Hand pump (backpack sprayers) are suitable for edging or spot treatments.

Mixing:
 Pour the required amount of EMBARK 2-S PGR into the spray tank containing approximately one-half (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.

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

Rinsing:
 Triple rinse the EMBARK 2-S 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 subsequent sprays.

TURFGRASS APPLICATIONS

Sites:
 EMBARK 2-S PGR may be applied to specified turfgrasses in areas such as:

Public Areas: Cemeteries, golf courses, airports, parks, walkways, condominiums, and apartment complexes.
Uncultivated Agricultural Areas: Around farm buildings, storage sheds, implement storage sheds, implement storage areas.

Mowing:
When mowing after application: For an evenly trimmed appearance grass may be mowed 3-7 days after EMBARK 2-S PGR is applied.

When mowing before application: Grass may be mowed up to two days before applying EMBARK 2-S 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 2-S PGR in the spring, after greenup, but before mowing is necessary, thus avoiding mowing until growth regulation wears off.

Tank Mixing with Herbicides:
 EMBARK 2-S PGR may be tank mixed with one of the following herbicides to control broadleaf weeds:

Herbicides	Maximum Rate
TRIMEC® Class: Brand Broadleaf Herbicide	4 pints of product/acre
2,4-D amine salt formulations	2 lbs. acid equivalent/acre
MCPP amine salt formulations	2 lbs. acid equivalent/acre

Low Maintenance Grasses and Uncultivated Agricultural Areas:
 Maximum benefits, including season-long seedhead suppression of cool-season grasses, can be attained by applying 2 pints of EMBARK 2-S PGR per acre with surfactant after uniform grass greenup until approximately 2 weeks before seedhead appearance. EMBARK 2-S PGR applications will give vegetative growth suppression for up to 8 weeks; however, a mowing will be necessary to eliminate escape seedheads which have not emerged. If temporary discoloration of turf occurs and is objectionable, reduce the rate from 2 pints/acre to 1 1/2 pints/acre. For low maintenance turf in California, follow the recommended rates according to the California rate table.

Surfactants:
 The use of a nonionic surfactant (except Calif.) is recommended to increase the extent and consistency of turfgrass regulation on low maintenance turf only. The recommended surfactant rate is 0.25 to 0.5% WW (1 to 2 quarts/100 gallons spray solution). Temporary, slight discoloration of turf may increase with the use of a surfactant.

Kentucky and Annual Bluegrass Tall, Red and Chewings Fescue Parennial Ryegrass Timothy Red Canarygrass Quackgrass Kleisgrass Crested Wheatgrass** Orchardgrass** Smooth Bromegrass** Danipedeagrass	1 1/2 pints	3/4 fl. oz.	For those grasses recommended at the 1 1/2 pints/acre rate a slightly longer period of growth regulation can be attained with a 2 pints/acre rate. If temporary discoloration of turf occurs and is objectionable reduce the rate from 1 1/2 pints/acre to 1 pint/acre.
St. Augustinegrass	1 pint	3/4 fl. oz.	
Common Bermudagrass	4 pints	1 1/2 fl. oz.	

* The spray volume used to give adequate and uniform spray coverage is dependent on the type of spray equipment.
 ** Except California.

Species:	Recommended Rates of EMBARK 2-S PGR for Turfgrasses		Remarks
	per 100 gal. water	per 1000 sq. ft.	
Kentucky and Annual Bluegrass Tall, Red and Chewings Fescue Parennial Ryegrass Timothy Red Canarygrass Quackgrass Cortlandegrass Kleisgrass	1 1/2 pints	3/4 fl. oz.	For grasses recommended at the 1 1/2 pints/acre rate, reduce the rate to 1 pint/acre if temporary discoloration of turf occurs and is objectionable.
St. Augustinegrass	1 pint	3/4 fl. oz.	
Common Bermudagrass	4 pints	1 1/2 fl. oz.	
Native Grass and Broadleaf Vegetation			
Grasses: Wild Barley, Red Brome, Nitpout Brome, Wild Oats	2 pints	3/4 fl. oz.	For native grasses and broadleaf vegetation, areas with high soil fertility may require up to 4 pints/acre.
Broadleaves: Chickweed, Sour Clover, Fieldrock, Redstem Flare, Black Mustard			

ORNAMENTALS AND GROUNDCOVERS APPLICATIONS

Sites:
 EMBARK 2-S PGR may be applied to specified ornamentals and groundcovers in areas such as:

Cemeteries, golf courses, airports, parks, walkways, condominiums, office and apartment complexes.

Limitations:
 Avoid spray drift on nontarget foliage. Avoid drift on food crops. Do not wash foliage for at least 8 hours after application. If rain occurs within 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 2-S PGR on ornamentals, thoroughly clean spray tank to remove any broadleaf herbicide that may be present.

Recommendations:
 EMBARK 2-S PGR applied as a full cover spray to specified ornamental shrubs, hedges, trees and groundcovers reduces trimming and pruning for up to 8 weeks by regulating growth.

Species:	Recommended Rates of EMBARK 2-S PGR for Ornamentals throughout the U.S.		Remarks
	per 100 gal. water	per 1000 sq. ft.	
Groundcovers: African Daisy Capeweed Iceplant Ivy, English Ivy, Algerian Shrubs & Trees: Acacia Boehmeria Brazilian Pepper Tree Carob Ficus Hibiscus Holly, Burford Holly, Japanese* Ligustrum, Japanese Metastelma Oleander Philodendron Pittosporum Podocarpus Privet (Ligustrum sp.) Pyracantha Rachicallis Viburnum Xylocopa	4 pints	3/4 fl. oz.	For growth regulation, apply EMBARK 2-S PGR as a full cover spray with foliage penetration and to the drip point. 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.
Ornamental Olive Trees	1 pint	3/4 fl. oz.	For fruit suppression of olive trees, apply EMBARK 2-S PGR as a full cover spray at pre-bloom (light bud stage) through the 5% bloom stage. See note.

* Except California.
 Note: EMBARK 2-S PGR will reduce or eliminate undesirable fruit from olive trees. Two foliar applications are recommended during the pre-bloom or light bud stage through the 5% bloom stage of the trees. Mix 1 pint of product per 100 gallons of water per application. The interval between the first and the second applications (± 2 weeks) may vary between seasons and will be determined by the local environmental conditions. Full cover sprays are required, and all surfaces of the leaves and flower buds should be sprayed to the drip point. Flowers that have pollinated will set fruit. Spray volumes will depend on tree size. Generally, trees 20-30' in height may require 10-15 gallons of spray solution per tree.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

EMBARC® and TRIMEC® are registered trademarks of PBI GORDON CORPORATION.

AUG 31 2004



EMBARK 2S IVM

PLANT GROWTH REGULATOR

696/B-2004 AP050803
EPA REG. NO. 2217-759



Inhibits Seedheads and Reduces Frequency of Mowing and Trimming on Certain Grasses.

ACTIVE INGREDIENT:
Diethanolamine salt of mefluidide* (N-[2,4-dimethyl-5-[[[trifluoromethyl]-sulfonyl]amino]phenyl]acetamide)..... 28.0% **
OTHER INGREDIENTS:..... 72.0%
100.0%

* U.S. Patent Nos. 3,639,474; 3,894,078; 4,013,444.
** Equivalent to 2.0 lbs. (21% by weight) of N-[2,4-dimethyl-5-[[[trifluoromethyl]-sulfonyl]amino]phenyl]acetamide per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

See below for additional Precautionary Statements and First Aid.



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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals:
CAUTION: Causes eye irritation. Harmful if inhaled, 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.

FIRST AID

If in eyes:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.

Environmental Hazards:
Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. Do not allow spray to drift onto nontarget crops or vegetation.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

STORAGE AND DISPOSAL

Pesticide 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 by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.
Embark 2S IVM PGR can be incorporated into highway vegetation management programs to eliminate seedhead production and to reduce the mowing requirements. Embark 2S IVM PGR may be applied to bermudagrass and six species of established cool season grasses in noncropland sites. Embark 2S IVM PGR may be useful in the following noncropland areas:

- Highway rights-of-way (principal, interstate, state, and county highways), interchange ramps, waysides, service areas, and unpaved roads.
- Municipal, state, and federal lands such as airports, military installations, schools/universities, libraries, and hospitals.
- Commercial/industrial areas including industrial parks, tank farms, plant sites, storage areas, enclosures, and utility rights-of-way.

Embark 2S IVM PGR inhibits the growth of tall fescue, Kentucky bluegrass, perennial ryegrass, smooth bromegrass, orchardgrass, reed canarygrass and common bermudagrass. Mixed stands of these coarse textured species may respond unevenly to applications of Embark 2S IVM PGR and the tank mixtures. All established perennial grasses should be at least one year old.

SPRAY EQUIPMENT AND MIXING INSTRUCTIONS

Spray Equipment:
Use conventional power spray equipment with bypass or mechanical agitation and fitted with a spray boom, off-center nozzles, or a spray gun.
It is essential that spray equipment be 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.
Spray Volumes:
Spray volumes of 15 to 150 gallons per acre are recommended. Uniform application is essential. Avoid spray overlaps that will increase the dosage above those recommended.
Spray Colorants:
The use of Gordon's Spray Colorant (or similar markers) is recommended to allow the applicator to make uniform applications.
Nonionic Surfactants:
The use of a nonionic surfactant may be used 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 spray solution. Temporary, slight discoloration of the turf may increase with the use of a surfactant.
Spray Preparation for Tank Mixtures:
Embark 2S IVM PGR may be applied in combination with one or more of the specified herbicides or plant growth regulators. These tank mixtures must be used according to the most restrictive label limitations and precautions. No label dosage rate should be exceeded. Follow the labeling of each companion product for precautionary statements, directions for use, dosage rates, and application schedules. Tank mixture recommendations are for use only in the states where the companion products and application site are registered.
Follow these guidelines and refer to the labeling of the companion product for further instructions.

- Add 1/2-3/4 of the required amount of water into the spray tank.
- Add the appropriate amount of the companion product (dispersible granules, ammonium salt formulations, or dimethylamine salt formulations) into the spray tank with agitation.
- Pour the appropriate amount of Embark 2S IVM PGR into the spray tank.
- Continue agitation while adding the remainder of water and add the measured amounts of nonionic surfactant and spray colorant.
- Continue agitation throughout the spraying operation.

Seedhead Suppression:
The application window or timing is critical for the optimum seedhead control. Generally, the application window for the best results will range from 2-3 weeks. The beginning of the application window for Embark 2S IVM PGR occurs in the spring after full green-up with rapid vertical growth. The end of the application window occurs approximately 2 weeks prior to the seedhead appearance or when the seedhead can be felt at the base of the stem. Applications of Embark 2S IVM PGR after the optimum window will result in reduced seedhead suppression.
Inconsistencies of seedhead suppression may occur with mixed stands. Different grass species may vary in the inflorescence development and in their responses to the plant growth regulators.

Vegetative Growth Suppression:
Embark 2S IVM PGR will provide growth inhibition for 6-8 weeks under favorable growing conditions. Apply Embark 2S IVM PGR after full green-up of turfgrass in the spring. At the time of treatment, turf should have developed the desired appearance, the desired height, and sufficient leaf area for uptake.

Apply 24-32 fl. oz. (1 1/2-2.0 pints) of Embark IVM PGR per acre to actively growing turf for growth suppression up to 8 weeks. If temporary discoloration of the turfgrass occurs and is objectionable, reduce the rate from 2 pints of product to 1 1/2 pints of product per acre. Refer to Tables 1 and 2 for the recommended rates for tank mixtures applied to low maintenance turf. Refer to Table 3 for the recommendations appropriate for California.

Embark 2S IVM PGR may be applied more than once per season, however follow an application interval of at least 5 weeks between applications.

CULTURAL RECOMMENDATIONS

- Mowing:**
- Mowing before application:** Grass may be mowed up to two days before applying Embark 2S IVM 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 2S IVM PGR is applied.
 - When mowing is not desired or practical:** Apply Embark 2S IVM PGR after full green-up in the spring, but before mowing is necessary.

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

Stresses:
Applications of Embark 2S IVM PGR to turfgrass that is stressed because of high air temperatures, drought, excessive soil water, diseases, or insects may cause temporary discoloration. Management practices to promote the health and vigor of the turfgrass should be continued on the treated areas.

Table 1: Application Rate Recommendations for Embark® 2S IVM PGR and tank mixtures for six cool season turfgrasses (tall fescue, Kentucky bluegrass, perennial ryegrass, orchardgrass, smooth bromegrass and reed canarygrass) established in noncropland sites.

Product Name	Amount of Product	
	fl. oz./acre	ounces/acre
1. Embark® 2S IVM	24-32	—
2. Embark® 2S IVM plus Event™ Grass Growth Regulator	8 4	— —
3. Embark® 2S IVM plus Telar® Herbicide Dispersible Granule	12-16	— 0.25
4. Embark® 2S IVM plus Event™ Grass Growth Regulator plus Arsenal® Herbicide 2 #/gal	8 4 1.5	— — —
5. Embark® 2S IVM plus Arsenal® Herbicide 2 #/gal.	8 2	— —
6. Embark® 2S IVM plus Escort® Herbicide Dry Flowable	8	— 0.125-0.25

Table 2: Application Rate Recommendation for Embark® 2S IVM PGR mixtures for common bermudagrass established in noncropland sites.

Product Name	Amount of Product	
	fl. oz./acre	ounces/acre
Embark® 2S IVM	64	—

Table 3: Application Rate Recommendations for use on roadsides and low maintenance turfgrass in California only.

Turfgrass	Amount of Product	
	pints/acre	fl. oz./acre
Kentucky Bluegrass, Tall Fescue, Perennial Ryegrass, Reed Canarygrass	1 1/2 pints	24
Common Bermudagrass	4 pints	64
Native Grasses: Wild Barley, Red Brome, Flippot Brome, Wild Oats	2 pints	32
Broadleaf Vegetation: Cheeseweed, Sour Clover, Fiddleneck, Redstem Filaree, Black Mustard		

PRECAUTIONS AND LIMITATIONS

- Do not apply this product through any irrigation system.
- Turf treated with Embark 2S IVM PGR may appear less dense and temporarily discolored when compared with untreated, actively growing turf.
- Do not allow animals to graze treated areas.
- In turfgrass renovation programs, areas treated with Embark 2S IVM PGR may be reseeded 3 days following application (except California where reseeding may not occur within 2 weeks).
- Do not apply to any body of water such as lakes, streams, rivers, canals, ponds, reservoirs, or bays. Also, do not apply to areas where water is present on the soil surface such as swamps, bogs, potholes, or marshes. However, it is allowable to treat seasonally dry swamps, bogs, potholes, or marshes, berms of ditches, and road shoulders.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.
THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.
The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.
EMBARK® is a registered trademark of PBI/GORDON CORPORATION.
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