

Embark® 3M

1-L Plant Growth Regulator

Stop! Read the label before using.

EPA Est. 07182-IL-01
EPA Reg. No. 7182-13

Active Ingredient: Potassium salt of metolachlor
(N-[2,4-dimethyl-5-[(trifluoromethyl)oxy]phenyl]acetamide)

12.5%
88%
100%

Inert Ingredients
U.S. Patent Nos. 3,600,474; 3,694,784; 3,714,744
Equivalent to 0.05% by weight of active ingredient
sulfonamide, phenylacetamide, etc.

CAUTION Keep out of reach of children

Precautionary statements:

Humans and Domestic Animals: Avoid contact with skin, eyes, clothing, or hair. Wash hands thoroughly with soap and water after use. Avoid contact with eyes. If contact occurs, flush eyes with plenty of water. If swallowed, drink plenty of water and induce vomiting. If inhaled, get fresh air immediately. If irritation occurs, stop use immediately. Do not use in areas where children play. Do not use in streams, rivers, or other bodies of water. Do not use in areas where livestock graze. Do not use in areas where crops are raised for human consumption. Do not use in areas where crops are raised for animal consumption.

1 Gallon

Embark 1-L Plant Growth Regulator (PGR) is a selective, non-hormonal, non-toxic herbicide that regulates the growth of turfgrass and ornamental vegetation. Embark 1-L PGR reduces mowing requirements for up to 8 weeks following treatment by regulating cell wall synthesis and cell elongation. Embark 1-L PGR may be applied to lawns and ornamental areas with small spray units such as backpack sprayers or to larger areas with conventional spray equipment. To be assured of proper dosage and uniform spray coverage it is essential that spray equipment be properly calibrated. When calibrating with small spray equipment, the application rate is recommended over a small measured area.

Mixing: Pour the required amount of Embark 1-L PGR into the spray tank containing approximately 1/3 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 the PGR formulation is soluble in water.

Rinsing: Triple rinse the Embark 1-L PGR container with water and pour the rinse solution into the spray tank prior to spraying. Do not use spray equipment for other purposes. Thoroughly clean. Flush spray equipment with plenty of water immediately after use to avoid contamination of other sprays.

Storage and Disposal: Do not contaminate water, food, or feed by storage or disposal.

Pesticide Disposal: Pesticide spray mixture or residue that cannot be used according to label instructions must be disposed of according to federal, state or local procedures under the Resource Conservation and Recovery Act.

Container Disposal: Triple rinse (or equivalent) and offer to recycling or reconditioning. Or dispose of in a sanitary landfill or by incineration if permitted by state and local procedures.

Recommended Application

Apply EMBARK 1L PGR uniformly to green, actively growing turf. 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 on 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. Turf may be mowed up to 1 day before or 3 to 7 days after application. Remove all grass clippings and leaves prior to treatment. Avoid spray overlaps that will increase dosage above those recommended. EMBARK 1L PGR may be applied twice per season on Kentucky blue grass, fescues, and Bermudagrass, however, an interval of at least 6 weeks should occur before the second application. Use the higher rate of application where the greatest growth regulation and seedhead suppression are desired.

Recommended Use Areas: EMBARK 1L PGR applied uniformly as a broadcast spray to turf will reduce mowing requirements for up to 8 weeks in the following commercial and public areas:

Commercial/Industrial: Highway, Rights-of-way, Utility, Rights-of-way, Buildings, Industrial Parks, Tark Farms, Airports.

Public: Schools, Libraries, Hospitals, Cemeteries, Golf Courses, Parks, Recreation, Airway.

Tank Mixing with 2,4-D and Mecoprop (MOPP): EMBARK 1L PGR may be tank mixed with up to 2.0 lbs. active ingredient per acre of 2,4-D in low volatility ester and amine salt formulations and MOPP in amine salt formulations. Follow the instructions and precautionary statements on the 2,4-D and MOPP product labels.

Use on	Amount of EMBARK 1L PGR	
	per acre in 30 gal water	per 10,000 sq ft in 30 gal water
Turfgrasses: Kentucky and Annual Bluegrass Tall Fescue Creeping Red Fescue Timothy Rice Kentucky Bluegrass Kentucky Bluegrass Kentucky Bluegrass	4.0 pints	4.0 pints
Cool Season Grasses: Orchardgrass Smooth Bromegrass	4.0 pints	4.0 pints
St. Augustinegrass	2.0 pints	2.0 pints
Common Bermudagrass	2.0 pints	2.0 pints
California Native Grasses and Broadleaf Vegetation: Grasses Wild Balm, Red Balm, Blue Balm Brome, Wild Oats Broadleaves Tie Dye, Yellow, Blue Cheesehead, Salt, Olive Fiddleneck, Redstem Filago Black Mustard	4.0 pints	4.0 pints

Note: In comparison with untreated, actively growing turf treated turf which is being maintained in height by EMBARK 1L PGR may appear less dense and temporarily desiccated following application. However, with increasing time, turf may appear darker green than untreated areas.

Limitations: EMBARK 1L PGR should not be applied to golf greens. Do not apply EMBARK 1L PGR to turf area within 4 growing months after seeding and do not reseed within 2 weeks following application. 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.

Notice - Limited Warranty: The Directions for Use for this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Permanent turf injury, ineffectiveness or other unintended consequences may result because of such factors as adverse weather conditions, presence of fertilizers or other pesticides, or use inconsistent with label directions, all of which are beyond the control of 3M or the Seller. All such risks shall be assumed by the Buyer.

3M warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. 3M makes no other expressed or implied Warranty of Fitness or Merchantability or any other expressed or implied warranty. In no case shall 3M or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. 3M and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of 3M.

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Agricultural Products 3M
3M, St. Paul, MN 55144