

Embark® 3M

2-L Plant Growth Regulator

Stop! Read the label before using.
EPA Est. 07182-IL-01
EPA Reg. No. 7182-14

Active Ingredient: Potassium salt of mefluroide*
(N-[2,4-dimethyl-5-[(trifluoromethyl)sulfonyl]amino]phenyl]-acetamide) 24%
Inert Ingredients 76%
* Patent Nos. 2,579,474; 2,599,378; 4,013,444
Solvent: 20% (21% by weight of 4:1:4
sulfonyl)aniline/phenylacetamide/emulsifier

CAUTION Keep out of reach of children. Precautionary statements

Humans and Domestic Animals: Harmful if swallowed. Avoid contact with eyes, nose, mouth, and skin. In case of contact with eyes, flush with water for 15 minutes. If swallowed, drink 2 glasses of water and do not vomit. Do not give anything by mouth to an unconscious person. Get medical attention if necessary.
Environments: Do not apply directly to areas ponds or streams. Do not apply to areas where waterfowl may be present. Do not allow spray to drift onto target crops or vegetation.

1 Gallon
Net Content

Directions for Use:
General Information: Embark 2-L Plant Growth Regulator (PGR) is recommended for use in public, commercial and industrial areas for regulating the growth of various species of turfgrasses and ornamental vegetation. Embark 2-L PGR reduces mowing requirements for up to 8 weeks following treatment by regulating growth and suppressing seed formation.
Spray Equipment: Embark 2-L PGR may be applied to localized 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 is properly calibrated. When calibrating with small spray equipment, a trial application is recommended over a small measured turf area.

Mixing: Pour the required amount of EMBARK 2-L PGR into the spray tank containing approximately 10% 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 2-L formulation is soluble in water.

Rinsing: Triple rinse the EMBARK 2-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 until thoroughly cleaned. Flush spray equipment with plenty of water immediately after use to avoid contamination of water sprays.

Storage and Disposal: Do not contaminate water, food, feed, or 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 for recycling or reconditioning, or dispose of in a sanitary landfill or by incineration if permitted by state and local procedures.

Recommended Application

Apply EMBARK 2-L 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 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. 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 2-L PGR may be applied twice per season on Kentucky bluegrass, 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 2-L 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, Tank Farms, Airports.

Public Schools, Libraries, Hospitals, Cemeteries, Golf Courses, Parks, Roads and Walkways.

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

Use on	Application Rate Table	
	per acre in 15.75 gal water	per 10,000 sq. ft. in 3.32 gal water
Turfgrasses Kentucky and Annual Bluegrasses, Tall Fescue and Chewings Fescues, Perennial Ryegrass, Timothy, Reed Canarygrass, Quackgrass, Centipede Grass, Kikuyugrass	1.0 pint	4.0 fl. oz. (12.75 Tbsp.)
Crested Wheatgrass, Orchardgrass, Smooth Bromegrass	1.5 pints	6.0 fl. oz. (18.15 Tbsp.)
St. Augustinegrass	1.0 pint	4.0 fl. oz. (12.75 Tbsp.)
Common Bermudagrass	1.0 pint	4.0 fl. oz. (12.75 Tbsp.)
California Native Grasses and Broadleaf Vegetation Grasses: Wild Barley, Red Blume, Hairy Brome, Wild Oats, Broadleaves: Ice Plant, Alyssum, Cheeseweed, Spur Clove, Field Sack, Redstem Filago, Black Mustard	2.0 pints	8.0 fl. oz. (24.32 Tbsp.)

Note: In comparison with untreated, actively growing turf, treated turf which is being maintained in height by EMBARK 2-L PGR may appear less dense and temporarily discolored following application. However, with increasing time, turf may appear darker green than untreated areas.

Limitations: EMBARK 2-L PGR should not be applied to golf greens. Do not apply EMBARK 2-L PGR to turf areas 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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