



PETERS
PROFESSIONAL
WATER SOLUBLE FERTILIZER

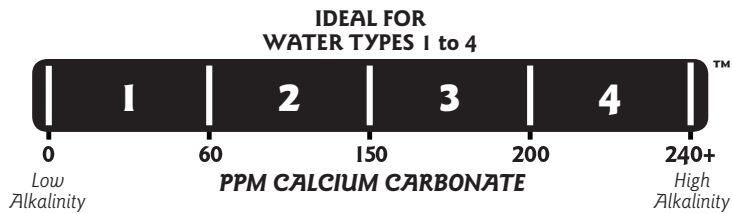
PETERS **PROFESSIONAL**[®]

WATER SOLUBLE FERTILIZER



S.T.E.M.[™]

SOLUBLE TRACE ELEMENT MIX
NO DYE



S.T.E.M.[™]
SOLUBLE TRACE ELEMENT MIX

99900



NET WEIGHT: 25 lb (11.34 kg)

Scotts-Sierra Horticultural Products Company • 14111 Scottslawn Road • Marysville, Ohio • 43041



PETERS PROFESSIONAL WATER SOLUBLE FERTILIZER

S.T.E.M.™ SOLUBLE TRACE ELEMENT MIX



99900



Directions for Use

S.T.E.M.™ (Soluble Trace Element Mix) has been the industry standard trace element supplement for over 50 years. Use S.T.E.M. to boost micronutrients for problematic high growing media pH situations or to supplement plants with higher micronutrient demands. Use as a one-time corrective (drench) application or as part of a continuous feeding program.

Directions below are for Prescriptive Drench/Corrective Applications, Foliar Spray Applications, or Continuous Feeding.

Drench one time, corrective application: add 2 to 8 oz. of Peters Professional S.T.E.M. per 100 gallons of water.

Table with 4 columns: Application Rate (oz/100 gal), Sulfur (S), Boron (B), Copper (Cu), Iron (Fe), Manganese (Mn), Molybdenum (Mo), Zinc (Zn), E.C. mmhos/cm. Rows show minor element levels achieved for various application rates.

Continuous Feeding - Boost trace elements with every feeding - Add 0.1 oz. (2.8 grams) to 0.3 oz. (8.5 grams) of Peters Professional S.T.E.M. per 100 gallons of water. One half level teaspoon holds approximately 0.1 oz.

Table with 4 columns: Application Rate (oz/100 gal), Sulfur (S), Boron (B), Copper (Cu), Iron (Fe), Manganese (Mn), Molybdenum (Mo), Zinc (Zn). Rows show minor element levels achieved for various application rates.

- 1. Fill the tank to approximately 1/3 tank volume. (Note: if possible use warm water to more quickly dissolve the fertilizer.)
2. Add mineral acid only if necessary (addition may be required with alkalinity levels greater than 250 mg/L calcium carbonate).
3. Add S.T.E.M. and any other compatible fertilizer and stir vigorously.
4. Top off the tank volume with water.

Table: Mixing For Watering Cans, Spray Tanks (No Injectors) using Approximate Volume Measures. Columns: Conventional Measure, Low Application Rate, Medium Application Rate, High Application Rate. Rows: 1 tsp, 1 Tbsp, 1 cup.

Foliar Spray Application - add 2 oz. of Peters Professional S.T.E.M. per 100 gallons of spray (or 0.57 grams per gallon). Trial treatment for safety on a small block of plants before treating the whole crop.

Table: Minor Element Levels (ppm) Achieved. Columns: Application Rate (oz/100 gal), Sulfur (S), Boron (B), Copper (Cu), Iron (Fe), Manganese (Mn), Molybdenum (Mo), Zinc (Zn), E.C. mmhos/cm.

Fertilizer Compatibility - All Peters Excel fertilizers are tank mix compatible with each other. However, not all Peters Professional and Peters Excel water soluble fertilizer products are compatible. There can be problems when blending calcium containing fertilizers with sulfuric acid or sulfate containing fertilizers such as S.T.E.M., Epsom salts (magnesium sulfate). Refer to Scotts Compatibility Information on our website.

Solubility - Product components are completely water soluble. However, a number of factors will determine how fast the fertilizer will dissolve (i.e., desired concentration, temperature of irrigation water, agitation, time, irrigation water quality, the fertilizer itself and compatibility of other components in the stock tank). Each product has a stated maximum solubility that is determined under ideal lab conditions - it is physically impossible to maintain solubility above this value.

Water Soluble Fertilizer Appearance - This product is composed from a number of components, varying in size. Some of the products are uniform in appearance while others quite heterogeneous. The tracer dye color intensity and distribution may appear variable in the bag. However, once the product is diluted in a stock tank the colorant level should be consistent.

Monitoring - The Scotts Testing Laboratory is a reliable source for testing water, growing media or tissue. Injector monitoring and maintenance will help to ensure that you are feeding at optimal levels. Weekly on-site measurements of fertilizer solution and crop media EC and pH can be a valuable tool in managing your crop. A follow-up program of complete media analysis (and tissue in problem-solving situations), should be initiated to optimize your nutritional program.

Need More Information - To fine-tune your fertilizer selection to your individual growing conditions, you can contact an experienced Scotts horticultural professional or you can refer to the www.PetersABC.com website to access the Peters ABC Selection System™.

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S.T.E.M.™ SOLUBLE TRACE ELEMENT MIX

(For Continuous Liquid Feed Programs)

Guaranteed Analysis table with columns: Component, Percentage. Rows: Sulfur (S) 13.0%, Boron (B) 1.35%, Copper (Cu) 2.30%, Iron (Fe) 7.50%, Manganese (Mn) 8.00%, Molybdenum (Mo) 0.04%, Zinc (Zn) 4.50%.

Derived from: magnesium sulfate, boric acid, copper sulfate, iron sulfate, manganese sulfate, ammonium molybdate, zinc sulfate.

Information regarding the contents and levels of metals in this product is available on the internet at http://www.regulatory-info-sc.com.

WARNING: This product contains boron and should be used according to directions only, especially on crops sensitive to boron update. This fertilizer contains more than .001% molybdenum (Mo). The application of fertilizing materials containing molybdenum (Mo) may result in forage crops containing levels of molybdenum (Mo) which are toxic to ruminant animals.

SAFETY INSTRUCTIONS: FOR SAFETY INSTRUCTIONS, REFER TO THE MATERIAL SAFETY DATA SHEET, OR CALL 1-800-492-8255.

WARNING: May be harmful if swallowed or inhaled. May cause irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. Do not swallow.

First Aid: In case of contact, immediately flush with plenty of water for at least 15 minutes. Call a physician; flush skin with water. (Washing clothing before reuse.) Avoid contact with eyes and skin as irritation may occur.

Spills and Disposal: If spilled, absorb with an inert noncombustible material and remove for disposal. Dispose of all waste in accordance with applicable government regulations.

Storage: Opened bags should be sealed. Unsealed or partially used products may take on moisture from the atmosphere and may subsequently soften or harden in the bag. As long as bags are properly re-sealed, this should in no way diminish nutrient content of the fertilizer. Store product in a cool, dry environment.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

IMPORTANT NOTICE FROM THE SCOTTS COMPANY LLC AND SCOTTS-SIERRA HORTICULTURAL PRODUCTS COMPANY ("SCOTTS"). PLEASE READ BEFORE USE

By using this product, user or buyer accepts the conditions, disclaimer of warranties and limitations of liability. Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once for full refund.

CONDITIONS: This product has been researched to provide necessary data to support its uses listed on the label. The directions for use of this product are believed to be adequate and the user or buyer must always follow the label directions carefully and exercise judgment and caution when using this product under their growing conditions. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, unsatisfactory or substandard results or other unintended consequences may result because of such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of Scotts. All such risks shall be assumed by the user or buyer.

WARRANTY: This product corresponds to all claims and descriptions set forth on the label and, subject to the conditions set forth above, is reasonably fit for use for any purpose for which it is intended. Scotts recognizes that the rights and remedies of the user or buyer are subject to the provisions of the applicable state law, but makes no other warranties or representations, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Scotts is authorized to make any warranties beyond those contained herein or to modify the warranties contained therein. Subject to the user's or buyer's rights and remedies under the applicable state law, Scotts disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: Subject to the user's or buyer's rights and remedies under the applicable state law, the exclusive remedy of the user or buyer and the liability of Scotts or its affiliates, for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid by the user or Buyer for the quantity of this product involved or at Scotts' election, the replacement of the product. Subject to the user's or buyer's rights and remedies under the applicable state law, any and all claims or actions related to the use or handling of this product must be commenced within one (1) year from the date the product was purchased.

To request additional information, please contact your Scotts Distributor or call Scotts Customer Service at 1-800-492-8255.



Scotts-Sierra Horticultural Products Company 052507
14111 Scottslawn Rd.
Marysville, OH 43041
1-800-492-8255
Testing Lab: 1-877-HORT-LAB

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