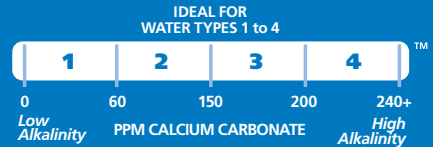


# Peters® Professional



## Liquid S.T.E.M.™



## E99068

Net Contents:  
2.64 Gallon (10L)  
Net Weight:  
28lb 10oz (13kg)

## everris.

Manufactured for  
Everris NA Inc.  
PO Box 3310  
Dublin, OH 43016  
Testing Lab: 1-877-467-8522  
Country of Origin: Poland



## Directions for Use

Liquid STEM is a convenient, easy to use liquid formulation of chelated micronutrients. Liquid STEM to boost micronutrients for problematic high pH growing media situations or to supplement plants with higher micronutrient demands. Use Liquid STEM as a one-time corrective (drench or spray) application or as part of a continuous feeding program. Shake well before use and keep product from freezing.

Directions below are for Prescriptive Drench/Corrective Applications, Foliar Spray Applications, or Continuous Feeding. If you are uncertain of correct application to use, first conduct a small scale trial before treating entire crop.

### Liquid Stem Rates Tables

**One time, corrective application** - apply based on analysis / observations.

**Drench** (using a 1:100 Injector): add 2 to 8 fl. oz. Peters Professional Liquid STEM per gallon of stock solution.

**Drench** (using a 1:200 Injector): add 4 to 16 fl. oz. Liquid STEM per gallon of stock solution.

**Drench** (without an injector): add 2 to 8 fl. oz. Liquid STEM per 100 gal of water

**Foliar Spray** - add 2 to 4 fl. oz. Liquid STEM / 100 gal of water.

**Table 1: Drench / Spray Application Rates**

	Low		High
Rate (fl oz Liquid STEM / 100 gal)	2.0	4.0	6.0
Rate (ml Liquid STEM / 100 gal)	59	118	178
Micronutrient levels achieved			
Nutrient	ppm	ppm	ppm
Boron (B)	0.26	0.53	0.79
Copper (Cu)	0.25	0.51	0.76
Iron (Fe)	9.34	18.68	28.02
Manganese (Mn)	2.54	5.08	7.61
Molybdenum (Mo)	0.030	0.061	0.091
Zinc (Zn)	1.22	2.44	3.65

One tablespoon = 0.5 fl. oz.      One fl. oz. = 29.6 mls.

1. Fill the tank to approximately 1/3 tank volume.
2. Add mineral acid only if necessary (addition may be required with alkalinity levels greater than 250 mg/L calcium carbonate).
3. Add Liquid S.T.E.M. and any other compatible fertilizer and stir vigorously.
4. Add water to required volume.

### Conventional Measure\*

	Low	Medium	High
1 tsp of Peters Professional Liquid STEM	8.3 gal.	4.1 gal.	2.8 gal.
1 tbsp of Peters Professional Liquid STEM	25 gal.	12.5 gal.	8.3 gal.
1 cup of Peters Professional Liquid STEM	400 gal.	200 gal.	133.3 gal.

\*Standard Volumes without an injector - add volumes of liquid STEM to specified volumes of water to approximate rates in Table 1.

**Continuous Feeding** - combine with normal fertilizer program as desired to boost micronutrient levels with every feeding. Apply based on analysis / observations.

**1:100 Injectors:** Add 3.5 to 10 mls of Peters Professional Liquid STEM per 1 gallons of stock solution.

**1:200 Injectors:** Add 7 to 20 mls of Peters Professional Liquid STEM per 1 gallons of stock solution.

**Tank:** Add 3.5 to 10 mls of Peters Professional Liquid STEM per 100 gallons of water.

**Table 3: Continuous Feed Rates**

	Low	Medium	High
Rate (fl oz / 100 gal)	0.12	0.24	0.34
Rate (ml / 100 gal)	3.5	7.0	10
Micronutrient levels achieved			
Nutrient	ppm	ppm	ppm
B	0.02	0.03	0.04
Cu	0.02	0.03	0.04
Fe	0.55	1.10	1.58
Mn	0.15	0.30	0.43
Mo	0.002	0.004	0.005
Zn	0.07	0.14	0.21

# Peters® Professional Liquid S.T.E.M.™

### Guaranteed Analysis

Boron (B)	0.13%	F1877	0.13%
Copper (Cu)	0.125%		0.125%
Iron (Fe)	4.6%		4.6%
Manganese (Mn)	1.25%		1.25%
Molybdenum (Mo)	0.015%		0.015%
Zinc (Zn)	0.6%		0.6%

**Derived from:** Boric Acid, Copper EDTA, Iron EDTA, Manganese EDTA, Ammonium Molybdate, Zinc EDTA

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>

**WARNING:** This fertilizing material contains Boron (B). Use on any crops other than those recommended may result in serious injury to the crop(s). 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 or 314-983-7500.

**WARNING: May be harmful if swallowed or inhaled. May cause irritation.**

- Avoid contact with eyes, skin and clothing.
- 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. Wash 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 container should be sealed. Store product in a cool, dry environment.

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

**DISCLAIMER AND LIMITATION OF LIABILITY  
NOTICE FROM EVERIS NA INC. ("Everris").  
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 Everris. 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. Everris 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 Everris 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, Everris disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

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To request additional information, please contact your Everris Distributor or call Everris Customer Service at 1-800-492-8255 or 314-983-7500.