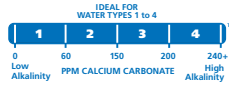


# Peters Professional<sup>®</sup>

## Liquid S.T.E.M.<sup>™</sup>

SKU# E99068, G99068



The industry's standard micronutrient supplement, now in a convenient, ready-to-mix liquid formulation. Goes from the jug to the tank in one easy step with no solubility issues.

- C (Customizing) component can be used with a variety of B (Base) formulations
- Effective for all Water Types
- Contains the ideal balance of all essential micronutrients readily available as chelates

### GUARANTEED ANALYSIS

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

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

**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.

### Liquid S.T.E.M.<sup>™</sup> Rate Tables

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

Drench (using a 1:100 Injector): add 2 to 8 fl. oz. Peters Professional<sup>®</sup> Liquid S.T.E.M.<sup>™</sup> per gallon of stock solution.

Drench (using a 1:200 Injector): add 4 to 16 fl. oz. Liquid S.T.E.M.<sup>™</sup> per gallon of stock solution.

Drench (without an injector): add 2 to 8 fl. oz. Liquid S.T.E.M.<sup>™</sup> per 100 gal of water.

Foliar Spray - add 2 to 4 fl. oz. Liquid S.T.E.M.<sup>™</sup> / 100 gal of water.

TABLE 1: DRENCH/SPRAY APPLICATION RATES				
	LOW			HIGH
Rate (fl oz Liquid S.T.E.M. <sup>™</sup> /100 gal)	2.0	4.0	6.0	8.0
Rate (ml Liquid S.T.E.M. <sup>™</sup> /100 gal)	59	118	178	237
Micronutrient levels achieved				
Nutrient	ppm	ppm	ppm	ppm
Boron (B)	0.26	0.53	0.079	1.06
Copper (Cu)	0.25	0.51	0.76	1.02
Iron (Fe)	9.34	18.7	28.0	37.4
Manganese (Mn)	2.54	5.1	7.6	10.2
Molybdenum (Mo)	0.03	0.06	0.09	0.12
Zinc (Zn)	1.22	2.4	3.7	4.9

One tablespoon = 0.5 fl. oz.    One fl. oz. = 29.6 mls.    1 ml = 15.4 drops

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.<sup>™</sup> and any other compatible fertilizer and stir vigorously.
4. Add water to required volume.

CONVENTIONAL MEASURE*	LOW			HIGH
1 tsp of Peters Professional Liquid STEM <sup>™</sup>	8.3 gal.	4.1 gal.	2.8 gal.	2.1 gal.
1 tbsp of Peters Professional Liquid STEM <sup>™</sup>	25 gal.	12.5 gal.	8.3 gal.	6.25 gal.
1 cup of Peters Professional Liquid STEM <sup>™</sup>	400 gal.	200 gal.	133.3 gal.	100 gal.

\*Smaller Volumes without an injector - add volumes of liquid STEM to specied 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<sup>®</sup> Liquid S.T.E.M.<sup>™</sup> per 1 gallons of stock solution.

1:200 Injectors: Add 7 to 20 mls of Peters Professional<sup>®</sup> Liquid S.T.E.M.<sup>™</sup> per 1 gallons of stock solution.

Tank: Add 3.5 to 10 mls of Peters Professional<sup>®</sup> Liquid S.T.E.M.<sup>™</sup> 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	10.0
Micronutrient levels achieved			
Nutrient	ppm	ppm	ppm
Boron (B)	0.016	0.032	0.048
Copper (Cu)	0.015	0.03	0.046
Iron (Fe)	0.56	1.12	1.68
Manganese (Mn)	0.15	0.3	0.46
Molybdenum (Mo)	0.002	0.004	0.005
Zinc (Zn)	0.07	0.15	0.22