



# 10-2-4 Sulfur & Micronutrients

## Guaranteed Analysis

Total Nitrogen (N) .....	10.0000%
4.5% Ammoniacal Nitrogen	
4.5% Nitrate Nitrogen	
1.0% Urea Nitrogen	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) .....	2.0000%
Soluble Potash (K <sub>2</sub> O).....	4.0000%
Sulfur (S) .....	.2500%
Boron (B) .....	.0170%
Copper (Cu).....	.0090%
.0090% Chelated Copper (Cu)	
Iron (Fe).....	.1250%
.1250% Chelated Iron (Fe)	
Manganese (Mn) .....	.0100%
.0100% Chelated Manganese (Mn)	
Zinc (Zn) .....	.0065%
.0065% Chelated Zinc (Zn)	

Derived from  
 Ammonium Nitrate CAS #6484-52-2,  
 Urea CAS #57-13-6,  
 Tech Grade Phosphoric Acid CAS #7664-38-2,  
 Potassium Hydroxide CAS #1310-58-3,  
 Potassium Acetate CAS #127-08-2,  
 Ammonium Thiosulfate, Solubor, Copper EDTA  
 Chelate, Iron EDTA Chelate, Manganese EDTA  
 Chelate, Zinc EDTA Chelate.

- Weight per gallon: 10.3 lbs. (4.7 kg)
- pH: 6.5 - 6.9

### Directions for Use:

For best results, apply as a foliar spray early in the morning or late evening. Allow to dry on the plant 6 hours before irrigation. Apply with 1 - 2 gallons of water per 1,000 sq. ft.

**Greens, Tees and Fine Turf:** Apply 5 - 12.8 oz. per 1,000 sq. ft. (1.7 - 4.4 gallons per Acre) every 7 days or as needed.

Application Rates for Blu-Gro® 10-2-4											
Fluid Oz/ 1,000 sq. ft.	Gallons/ One Acre	ML/ 1,000 sq. ft.	Nitrogen/ 1,000 sq. ft.	Phosphate/ 1,000 sq. ft.	Potassium/ 1,000 sq. ft.	Sulfur/ 1,000 sq. ft.	Boron/ 1,000 sq. ft.	Copper/ 1,000 sq. ft.	Iron/ 1,000 sq. ft.	Manganese/ 1,000 sq. ft.	Zinc/ 1,000 sq. ft.
5.0 oz	1.7 Gal	148 ML	0.04	0.01	0.02	0.0010	0.0001	0.0001	0.0005	0.0001	0.0001
6.0 oz	2.0 Gal	177 ML	0.05	0.01	0.02	0.0012	0.0001	0.0001	0.0006	0.0001	0.0001
7.0 oz	2.4 Gal	207 ML	0.06	0.01	0.02	0.0014	0.0001	0.0001	0.0007	0.0001	0.0001
8.0 oz	2.7 Gal	237 ML	0.06	0.01	0.03	0.0016	0.0001	0.0001	0.0008	0.0001	0.0001
12.8 oz	4.4 Gal	379 ML	0.10	0.02	0.04	0.0026	0.0002	0.0001	0.0013	0.0001	0.0001

**Tank Mixing:** Add 1-1/2 quarts of **Blu-Gro® 10-2-4** liquid fertilizer to 100 gallons of water (473 ppm nitrogen) and apply as a normal watering or at a rate of 1 quart of solution for every sq. ft. of planted surface area every 7 to 14 days.

**HOZON 1:15 Ratio Proportioner:** Add 3 oz. of **Blu-Gro® 10-2-4** liquid fertilizer for each gallon of water as the concentrate for a normal dosage of 200 ppm constant feeding with every watering.

**1:100 Ratio Proportioner:** Add 22 oz. of **Blu-Gro® 10-2-4** liquid fertilizer for each gallon of water as the concentrate for a normal dosage of 200 ppm constant feeding with every watering.

**Injection Feeding Using Electro Conductivity (E.C.):** The E.C. of **Blu-Gro® 10-2-4** is 420 mMho/cm at the sprinkler head:  
 .42 = 100 ppm Nitrogen  
 .84 = 200 ppm Nitrogen  
 1.26 = 300 ppm Nitrogen

Determine the E.C. of your irrigation water and increase the rates accordingly.

Example: If the E.C. of your water is .10, the E.C. at sprinkler head should be .52 to provide 100 ppm of nitrogen. Fertigate at the desired ppm of nitrogen until the desired amount of water is applied. Irrigate after fertigation to rinse off the foliage. If you are currently using a 20% nitrogen soluble fertilizer, such as 20-20-20, the chart below shows how to supply the equivalent nitrogen content using **Blu-Gro® 10-2-4**.

20-20-20 Soluble	=	<b>Blu-Gro® 10-2-4</b>
2.0 lbs.	=	1.5 quarts
2.5 lbs.	=	2.0 quarts
5.0 lbs.	=	1.0 gallon

**Pots, Flats, Container Material, and Foliage Plants:** For this type of plant material, use 473 ppm Nitrogen on a 7 to 14 day schedule or as plants indicate a need. Apply as a normal watering. Applied as a constant feed with every watering, use 100-200 ppm Nitrogen.

**Tuberous Begonias and Similar Tender Plant Materials:** If you have any doubt as to the sensitivity of the plant material, we recommend half the normal dosage on a 14-day feeding schedule. If the plants indicate the need for a higher fertility rate, the schedule should be shortened.

**Transplanting vegetable and flower plants:** Use 1-1/2 pints of **Blu-Gro® 10-2-4** liquid fertilizer per 50 gallons water and water in thoroughly. This rate is also effective on roses and ornamental shrubs.

**Hand Watering:** Mix 3/4 to 1 teaspoon of **Blu-Gro® 10-2-4** per gallon of water and apply as a normal watering.

### Caution:

Keep away from children and domestic animals. Avoid contact with eyes, open cuts, or sores. Harmful if swallowed. External: Flood with water. Internal: Induce vomiting. Contact a physician immediately.

### Storage and Handling:

Store in a cool, dry place. Keep container tightly closed. Do not add water or other material to the container. Do not contaminate water, food, or feed by storage or disposal. Do not store near acids or other acidic materials.

### Available Container Sizes:

2 x 2.5 gal	(2 x 9.46 L) Case
30 gal	(113.56 L) Drum
55 gal	(208.20 L) Drum
275 gal	(1040.99 L) Tote

Store above 40° F. Do not allow to freeze.

