

SP Root Enhancer® 12-31-14 with micronutrients is a multi-purpose soluble fertilizer whose nutrients become plant-available when applied as a water based solution to both leaves and roots. Ammonium phosphate has been added to promote root and shoot development and increase stress tolerance. Micronutrients are chelated to promote a sustained nutrient response. SP Root Enhancer may be applied with fungicides, herbicides, insecticides or miticides as a spray tank mix or through a proportioner for fertigation.

GUARANTEED ANALYSIS

Total Nitrogen (N)	12.00%
9.00% Ammoniacal Nitrogen	
3.00% Nitrate Nitrogen	
Available Phosphate (P2O5)	31.00%
Soluble Potash (K2O)	14.00%
Boron (B)	0.02%
Copper (Cu)	0.05%
0.05% Chelated Copper	
Iron (Fe)	0.10%
0.10% Chelated Iron	
Manganese (Mn)	0.05%
0.05% Chelated Manganese	
Molybdenum (Mo)	0.0005%
Zinc (Zn)	0.05%
0.05% Chelated Zinc	

Derived From: Ammonium phosphate, potassium nitrate, ammonium sulfate, sodium borate, copper EDTA, iron EDTA, manganese EDTA, sodium molybdate and zinc EDTA.

Information regarding the contents and levels of metals in this product is available on the Internet at:

<http://www.regulatory-info-jr.com>

APPLICATION RECOMMENDATIONS:

General: Apply in solution at the rate of 1 pound in 5 to 20 gallons of water. Apply in early morning or late afternoon, avoiding periods of heavy direct sunlight. For best results, premix the required amount in water prior to adding to the spray tank or concentrate tank. This material dissolves faster in warm water. It gives off an endothermic reaction (turns icy cold) when it is being dissolved.

Sprayers: Use a sprayer with a boom, floodjet, handgun, or similar applicator. Calibrate sprayer to determine the area covered per tank. Determine amount of SP Root Enhancer required at the rate of N per 1,000 square feet you wish to apply using the following chart:

Total lbs. material/ 1,000 ft²	Total lbs. Nitrogen/ 1,000 ft²	Total lbs. Nitrate -N/ 1,000 ft²	Total lbs. Ammoniacal -N / 1,000 ft²	Total lbs. P ₂ O ₅ / 1,000 ft²	Total lbs. K ₂ O/ 1,000 ft²
2.0	.25	.06	.18	.62	.28
4.0	.5	.12	.36	1.24	.56
6.0	.75	.18	.54	1.86	.84
8.0	1.0	.24	.72	2.48	1.12

Multiply total sprayer coverage by weight required. This determines the amount required per tank load.

Example: If full sprayer tank will cover 11,000 square feet and you desire to apply ¼ of a pound N per 1,000 square feet, this would require 352 ounces (11 X 32 = 352 ounces or 22 pounds) per tank load.

Sprinkler and Irrigation-Proportioners: Weight per Area Method: Determine the coverage of the sprinkler system in square feet for the time it takes to empty the concentrate tank. Multiply this area (dividing by 1,000) times the ounces of fertilizer required to achieve the desired rate of N in the chart.

FOR FOLIAR APPLICATION ON TURF THE MAXIMUM SOLUBILITY IS 4 LBS. MATERIAL PER GALLON OF SPRAY SOLUTION.

NOTE: If you are applying 4 lbs. **SP Root Enhancer** per 1,000 square feet, you must use a minimum of 1 gallon of water. For best results, use 4 gallons per 1,000 square feet to give better coverage.

CAUTION: Keep out of reach of children.

LIMITED WARRANTY AND DISCLAIMERS: J. R. Simplot Company ("Seller") warrants that the product contains the ingredients in the amounts stated on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing, rate and method of application, weather and other conditions, mixtures with chemicals not specifically recommended on this label or any accompanying written recommendation are beyond the control of Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. In no case is J. R. Simplot Company liable for consequential, special or indirect damages resulting from the use or handling of this product. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product, at Seller's option, as full discharge of Seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product, and no such warranties, guarantees or directions shall be valid or binding upon Seller.

Warning: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Proposition 65, the Safe Drinking Water and Toxic Enforcement Act of 1986, requires notification of potential exposure to substances identified by the State of California as causing cancer, birth defects or other reproductive harm.

FOR COMMERCIAL USE ONLY

NET WEIGHT: 25 lbs. (11.35 Kg.)

Product Code: 21406

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