

## QUELANT-K<sup>®</sup> *low pH*

### High Concentration Potassium, Low pH

Quelant-K low pH delivers a high concentration of readily available potassium in a formulation that is near pH neutral. Free amino acids incorporated into the formulation aid in prompt potassium uptake and utilization in the plant.

- ◆ Synergy between potassium and Macro-Sorb's pharmaceutical-grade amino acids improves the absorption, translocation and activity of potassium within the plant.
- ◆ Low pH and low conductivity enhances tank mix compatibility with other fertilizers and agrichemicals, even when using hard waters.



### Guaranteed Analysis

Total Nitrogen (N).....1.00%  
1.0% Water Soluble Nitrogen  
Soluble Potash (K<sub>2</sub>O)..... 25.00%

#### Amino Acid Content

Free Amino Acids (Total).....5.00%  
Natural Amino Acids (Total)..... 6.00%  
Organic Matter.....5.50%

Derived from: Potassium Hydroxide and Protein Hydrolysate

### Rate:

Apply 1.5–2.0 oz. per 1,000 sq. ft. every 14–21 days throughout the growing season. During summer and fall, spray more frequently to improve stress tolerance and enhance synthesis of carbohydrates and proteins.



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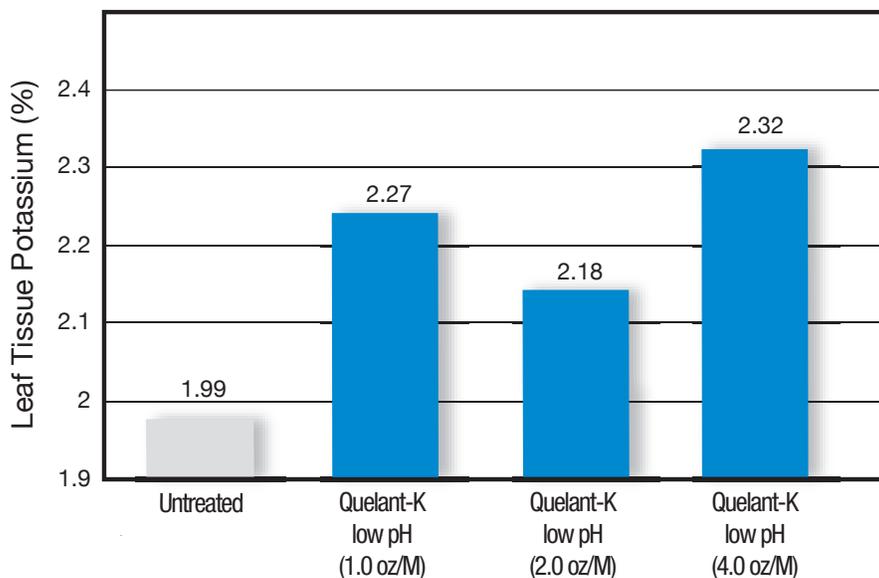
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### WHEN TO USE:

- ◆ When foliar potassium is needed to supplement plant growth or correct deficiencies – the 25% potassium in Quelant-K low pH is packaged with L-amino acids to maximize potassium uptake and utilization by the plant
- ◆ Prior to and during times of abiotic stress - supplemental potassium has been observed to enhance environmental stress tolerance of plants including turfgrass
- ◆ When tank mixing with calcium, magnesium or hard water – the pH of Quelant-K low pH is a near-neutral 7.2, so tank mixing with calcium or other pH-sensitive materials is not a concern



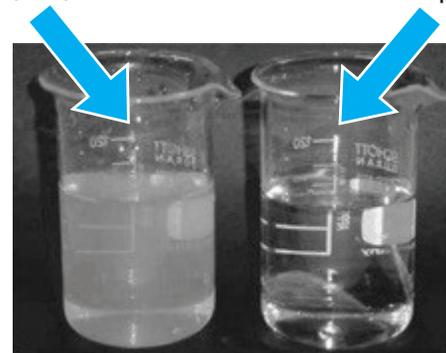
### Increases Leaf Tissue Potassium



Applications of Quelant-K low pH efficiently increase tissue potassium levels. Potassium is an essential nutrient for all plants, and is well known for improving stress tolerance of turfgrass. Increased levels of potassium in leaf tissue will aid in drought tolerance, cold hardiness, mechanical or traffic stress, and other adverse conditions. Quelant-K low pH delivers high concentrations of readily available potassium in a low pH formulation with free L-amino acids to aid in prompt potassium uptake and utilization.

### Compatible with Hard Waters

30% standard liquid potassium      Quelant K low pH



Quelant K low pH is compatible with extremely hard waters (waters with high calcium and magnesium content). This compatibility reduces the turbidity of spray solutions and helps prevent nozzle clogging.