Copper 12 Granular Copper 12%



AMP Copper 12 is a low-analysis, highly water-soluble, uniformly granulated copper fertilizer, specifically designed to assist in plant growth and maximizing yield.

GUARANTEED ANALYSIS

Copper	
Zinc	
Sulfur	
Water Soluble Cu	
SGN	
Uniformity Index	
Color	Dark Gray/Brown
Bulk Density	
SGN Uniformity Index Color	2

COPPER FUNCTIONS IN PLANT

- Essential for chlorophyll production
- Promotes seed production
- Has a key role in nitrogen metabolism/calcium translocation
- Required for regulation of growth and enzyme systems
- Essential in protein synthesis
- Catalyzes several other plant reactions

COPPER CAN BE DEFICIENT IN

- High organic matter soils
- Sandier textured soils
- High soil pH
- Excessive phosphorus, zinc, manganese or iron levels

SYMPTOMS

- Low mobility, newer buds or leaves affected
- Malformed, discolored, poorly filled heads
- Seed set and grain production reduced, plant stunted
- Increased incidence of ergot, root rot, rusts, etc.
- Stem melanosis or darkening
- Wilting



Advanced Micronutrient Products, Inc. 2405 W. Vassar Rd Reese, MI 48757 800.292.3672

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Use AMP Copper 12 for fall and pre-plant copper deficiency prevention. AMP Copper 12 is the product of choice for broadcast and band applications in a wide range of conditions.

COPPER 12

- Highly water-soluble copper at 65%. Copper 12 exceeds industry water-solubility standards. Copper 12 contains 6% zinc in a highly water-soluble form.
- Crop essential sulfur at 13%. All the sulfur in Copper 12 is in the immediately available form of sulfate sulfur.
- Copper 12 delivers 40% more granules per acre as compared to a 20% copper product. Basis 2# of actual copper per acre, Copper 12 delivers nearly 380,000 granules per acre versus 230,000 from a 20% copper source. More granules per acre results in more feeding sites, which provides for better nutrient uptake.

Comparison						
Product	Analysis	Product Rate Per Acre	Act Copper	tual Nutrient pei Sulfur	Acre Zinc	Granules Per Acre
Copper 12	12.0% Cu	17#	2.0#	2.2#	1.0#	>380K
Other	20.0% Cu	10#	2.0#	1.2#	1.0#	<230K

CRITICAL LEVELS IN PLANT AND SOIL TESTS

Plant Tissue: parts per million (ppm)

Critical levels at about 4-25 ppm

•	Corn:	5-20 ppm
•	Soybeans:	6-15 ppm
•	Wheat:	5-25 ppm

Soil Test: parts per million (ppm), 0-6", Mehlich III extraction

•	Deficient:	<0.6 ppm
•	Marginal:	0.6-1.0 ppm
•	Sufficient:	>1.0 ppm

Advanced Micronutrient Products are treated with a superior dust coating and are uniform in size for excellent blending properties. We combine the agronomic water-solubility of sulfates with the economics of oxide materials. Advanced Micronutrient Products uses the latest technology in product manufacture. Bags are color coded for easy identification. Available in bulk, one-ton super sacks or 50# bags. Bagged product comes on non-returnable pallets with protective cardboard inserts and shrink-wrap. All AMP micronutrients have been environmentally screened for safe use.



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