

# Fe 50 Granular Iron 50%



Advanced Micronutrient Products

AMP Iron 50 is a high-analysis, low water-soluble, uniformly granulated iron fertilizer, specifically designed to assist in turf care, plant growth, and maximizing yield.

## GUARANTEED ANALYSIS

Iron.....	50.0%
Sulfur.....	3.0%
SGN.....	260
Uniformity Index.....	50.0%
Color.....	Dark Brown
Bulk Density .....	107lbs/ft <sup>3</sup>

## IRON FUNCTIONS IN PLANT

- Essential for chlorophyll production
- Promotes energy transfers
- Required in photosynthesis
- Part of the enzyme system needed for plant respiration
- Required for the formation of some proteins
- Promotes healthy growth in plants

## IRON CAN BE DEFICIENT IN

- Compacted soils with poor drainage
- High soil pH
- Excessive phosphorus, calcium, zinc, manganese or copper levels

## SYMPTOMS

- Plants are generally spindly and stunted
- Plants may show chlorosis of the younger, upper leaves while veins may remain green
- Progresses to older leaves when severe
- Lime induced chlorosis on high pH soils
- Soybeans, corn, sorghum, rice, ornamentals are most sensitive

## FEATURES

While solubility is critical to providing immediate availability to a deficient plant, turf roots release phytosiderophores which chelate (bind) and carry insoluble ferrous oxide into the roots of plants suffering iron deficiency. This naturally chelated iron is readily absorbed into turf roots. AMP Fe 50 builds up a reserve of nutrients that can be tapped when turf needs iron.



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Use AMP Iron 50 for fall and pre-plant iron deficiency prevention. AMP Iron 50 is the product of choice for broadcast and band applications in a wide range of conditions.

## IRON 50

- Is an ideal high-analysis iron choice for a variety of needs.
- **Crop essential sulfur at 3%.** All the sulfur in Iron 50 is in the immediately available form of sulfate sulfur.

### Comparison

Product	Analysis	Product Rate Per Acre	Actual Nutrient per Acre	
			Iron	Sulfur
Iron 50	50.0% Fe	10#	5.0#	0.3#

## CRITICAL LEVELS IN PLANT AND SOIL TESTS

### Plant Tissue: parts per million (ppm)

Critical levels at about 25-250 ppm

Corn:	25-250 ppm
Beans: 5	0-350 ppm
Wheat:	20-200 ppm

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

Deficient:	<5 ppm
Marginal:	5-10 ppm
Sufficient:	>10 ppm

## APPLICATION GUIDELINES

Soil test whenever possible. When a soil test is not available, use the following guidelines for turf.

- New Turf - Broadcast 1 to 2 lbs. / 1,000 sq. ft. prior to planting and till into the soil.
- Established Turf - Broadcast 1/2 to 2lbs. / 1,000 sq. ft. / year.

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.