



# Iron Sulfate 20

## Granular Iron Sulfate 20%

*Agrium  
Advanced  
Technologies  
(AAT)  
Iron Sulfate 20  
is a  
low-analysis,  
highly  
water-soluble,  
uniformly  
granulated  
iron  
fertilizer,  
specifically  
designed to  
assist in  
turf care,  
plant growth,  
and  
maximizing  
yield.*

### 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

### 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: 50-350 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





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### Guaranteed Analysis Ultra Yield Iron Sulfate 20

Iron	20.0%
Nitrogen	2.0%
Sulfur	13.0%

Water Soluble Fe	75.0%
SGN	250
Uniformity Index	50.0%

Color: Dark Brown

AAT Ultra Yield 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. Agrium 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 Ultra Yield micronutrients have been environmentally screened for safe use.

Use **Ultra Yield Iron Sulfate 20** for fall and pre-plant iron deficiency prevention. **Ultra Yield Iron Sulfate 20** is the product of choice for broadcast and band applications in a wide range of conditions.

- Highly water-soluble iron at 75%. **Iron Sulfate 20** exceeds industry water-solubility standards.
- Crop essential sulfur at 13%. All the sulfur in **Iron Sulfate 20** is in the immediately available form of sulfate sulfur.
- Nitrogen content of 2% provides added dollar value to **Iron Sulfate 20** and it is in the ammonium form, which means it won't volatilize.
- **Iron Sulfate 20** delivers 20% more granules per acre as compared to a 50% iron product. Basis 5# of actual iron per acre, **Iron Sulfate 20** delivers nearly 575,000 granules per acre versus less than 230,000 from a 50% source. More granules per acre results in more feeding sites, which provides for better nutrient uptake.

### Comparison

Product	Analysis	Product Rate per Acre	Actual Nutrient per Acre			Granules per Acre
			Iron	Sulfur	Nitrogen	
<b>Iron Sulf 20</b>	20.0% Fe	25#	5.0#	3.3#	0.5#	>575K
Other	50.0% Fe	10#	5.0#	0.6#	0.1#	<230K

**For more information on Iron Sulfate 20 please contact:**

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