

Ferrous Ammonium Sulfate, Granular



GENERAL

Diamond Brand® Granular Ferrous Ammonium Sulfate is a 50/50 blend of Ferrous Sulfate Monohydrate ($\text{FeSO}_4\text{H}_2\text{O}$) and Ammonium Sulfate ($(\text{NH}_4)_2\text{SO}_4$). At QC Corporation's Cape Girardeau, MO facility, Ferrous Sulfate Monohydrate is blended with Ammonium Sulfate, compacted, granulated and screened for uniformity into a homogeneous granulate containing the same combination of Iron, Nitrogen and Sulfur.

APPLICATIONS

Diamond Brand® Granular Ferrous Ammonium Sulfate is used in the Agricultural, Lawn and Garden, Golf Course and Turf Management industries as a growth and green-ing agent, to correct iron chlorosis or deficiencies in plants and soils, to eliminate moss, to reduce alkalinity, and as a trace element or micronutrient in fertilizers.

AGRONOMIC BENEFITS

The combination of soluble Iron, Nitrogen and Sulfur contained in QC Corporation's Diamond Brand® Granular Ferrous Ammonium Sulfate promotes the following advantages for fairways, greens, turf grass, trees and ornamentals:

- ◆ Enhances quick and full greening responses from Iron when combined with Nitrogen.
- ◆ Eliminates iron chlorosis, enhancing chlorophyll synthesis, photosynthesis and a greater availability of energy for translocation to the roots of turf grass and plants.
- ◆ Helps condition alkaline soils to allow uptake of immobilized soluble micronutrient salts.
- ◆ Generates greater root growth, improved turf quality and greater recovery from drought when frequent Iron applications are supplemented with Nitrogen applications.
- ◆ Kills moss while improving the growth and color of grass.

PHYSICAL PROPERTIES

Appearance	Greyish, White Granules
Bulk Density	
FINE:	70 Lbs./Cu. Ft.
COARSE:	75 Lbs./Cu. Ft.
Sieve Analysis	
FINE:	99% -14 / +30 mesh
COARSE:	99% -6 / +16 mesh
Other sieve sizes are available upon request.	

CHEMICAL PROPERTIES

Iron	15% ± 0.5%
Nitrogen	10% ± 0.5%
Sulfur	21% ± 0.5%
Water	7%

PACKAGING AND TRANSPORT MODES

- ◆ 50 Lb. Bags Via Truck Or Rail
- ◆ 2,000 Lb. Super-Sacks Via Truck Or Rail
- ◆ Bulk Via Truck Or Rail
- ◆ Custom Valve Pack Bags Are Available Upon Request

TRACE MATERIALS (MAXIMUM PPM)

Shipping Point:	Cape Girardeau, MO
Cadmium	5
Chromium	10
Copper	5
Lead	15
Magnesium	2,000
Manganese	2,000
Nickel	30
Zinc	800

QC's Diamond Brand® Ferrous (Iron) Sulfate products are registered in Canada as a Pest Control Product (PCP) under the Canadian PCP Act.

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. This material will stain porous surfaces such as concrete, wood and metal when exposed to free moisture such as water. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.wa.gov/agr/> or <http://www.qccorporation.com>



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