



Ferrous Sulphate Heptahydrate

Product Overview

NutriForce Ferrous Sulphate Heptahydrate is a high quality soluble source of iron and sulphur fertiliser suitable for foliar or fertigation applications.

NutriForce Ferrous Sulphate Heptahydrate contains 19.7% Iron and 11.0% Sulphur.

The product is used to overcome iron deficiencies in plants, turf and cropping situations.

Key Features

- > Highly water soluble formulation.
- > Provides flexibility in application techniques. Can be applied as a foliar or soil application or via fertigation systems.
- > Highly concentrated – there is a minimum of 98% Ferrous Sulphate Heptahydrate in the formulation.
- > Non dangerous goods for transport – according to WHS Regulations and ADG Code.
- > There are limited heavy metal contaminants in the formulation – maximum levels are below 0.009% (combined As, Cd & Pb which is equivalent to 225g per 25kg bag).
- > Improves plant colour and aesthetic appearance by driving chlorophyll production & photosynthesis.
- > Comes in a heavy duty lined, polypropylene woven bag for ease of storage and transport.

Importance of Iron (Fe) in Plants

- > Iron is involved in the synthesis of chlorophyll and it is essential for the maintenance of chloroplast structure and function.
- > Iron plays a role in photosynthetic electron transport, respiration and numerous enzymatic reactions within plants.
- > Iron is used to correct Chlorosis (yellowing of the leaves) and improve plant colour and aesthetic appearance.
- > Deficiency of iron generally occurs as a result of availability problems, rather than from low iron levels in the soil. Factors that affect availability of iron are soil pH, waterlogging, excess phosphorus, organic matter or interactions with other elements in the soil.

Iron (Fe)
19.7%

Sulphur (S)
11.0%



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Ferrous Sulphate Heptahydrate (Min 98%)	Iron (Fe) 19.7%	Sulphur (S) 11.0%	Role in Plant <ul style="list-style-type: none"> - Increases Plant available Fe & S - Overcomes Fe deficiencies - Corrects Chlorosis - Enhances Chlorophyll production
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Symptoms of Iron Deficiency

The primary symptom of iron deficiency is interveinal chlorosis, the development of a yellow leaf with a network of dark green veins. In severe cases, the entire leaf turns yellow or white and the outer edges may scorch and turn brown as the plant cells die.

Iron deficiency is likely to occur in the following situations:

- Recently limed soils.
- Alkaline soils, particularly if they are waterlogged.
- Sandy soils which are low in total Iron.
- Acidic soil situations, where Manganese, Zinc or Copper plant availability is high.
- Situations where root development is impaired (disease, insects, nematodes), impacting upon nutrient uptake.
- Potted Plants.

Directions For Use

- > Tank mix product in sufficient water to get good coverage of the treated area.
- > Apply product to actively growing plants, crops or turf at a rate of 10g-2.0kg/100m² (1kg-20kg per hectare) or as indicated by your agronomist or soil testing results.
- > For foliar based applications, apply to a dry foliage to maximise performance.
- > For soil based applications, water in after application with 3-6 mm of irrigation. If temperatures exceed 30°C or if application to damp or wet plants, crops or turf is unavoidable, irrigate immediately after application.
- > Ferrous Sulphate Heptahydrate is generally compatible with Urea, Ammonium Nitrate, Potassium fertiliser forms and Magnesium Sulphate. Mixing Ferrous Sulphate with Chelated trace elements is not recommended.
- > Fertiliser solutions should be prepared just prior to use and should not be allowed to stand for an extended period of time. This will minimise sediment formation and settling in tanks.
- > Foliar applications are usually much more effective and provide a quicker response time.
- > Ferrous sulphate can stain paths, concrete, paving, clothes and skin. It is important to wash hands after use and be cautious when applying the product near concrete, pathways or other hard surfaces. If product is sprayed onto hard surfaces, it is recommended to flush the area with a hose to prevent any lasting damage.

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