



IRON HUMATE TECHNICAL DATA SHEET

DESCRIPTION

Iron Humate is composed of the naturally occurring organic matter (NOM) that is inherent in certain bodies of water. The NOM is removed with the use of a high purity ferric sulfate during the drinking water treatment process. This process creates a complex of the humic, fulvic, tannic and other organic acids with the iron to give Iron Humate its unique properties for soil applications, creating an improved soil environment.

COMPOSITION

PROPERTIES	TYPICAL
Iron (total), % (dry basis)	20 - 35
Humic and Fulvic Acids, % (dry basis)	>16
pH	4 - 5
Moisture, %	20 - 30
Solubility in H ₂ O, %	None
Bulk Density, lb/ft ³	64
Appearance	Free flowing, soil texture
Color	Dark brown to black

BENEFITS

- Boosts plant growth, crop production and improves overall quality
- Improves plant respiration and photosynthesis by correcting iron chlorosis
- Enhances the soil's water retention capacity, thereby reducing water usage
- Slowly releases iron and micronutrients in a broad pH range in the soil
- Allows easier root penetration by loosening soil, which promotes soil aeration
- Unlocks nutrients bound in soils for an increase in nutrient uptake
- Stimulates growth of beneficial soil bacteria and fungi
- Supplements the performance of other fertilizers when mixed with them
- Retains nutrients from applied fertilizers until plants are ready to use them
- Increases greater root and top growth
- Reduces the overall amount of fertilizer required
- Fights citrus greening with its low pH by neutralizing bicarbonates in calcareous soils, which enables greater absorption of soil nutrients and many trace elements by root systems

APPLICATION

Application methods and dosage rates should be adjusted according to local plant and soil conditions and desired goals.

PACKAGING

Iron Humate is shipped in 25 lb and 50 lb bags and one-ton super sacks. Bulk shipments are also available.

HEALTH and SAFETY

Iron Humate is non-toxic and non-corrosive. Avoid the formation and inhalation of dusts. Refer to the Iron Humate safety data sheet (SDS) for more detailed safety information.

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