



ORGANIC IRON 5%

FULLY CHELATED GLUCOHEPTONATE CHELATE

GUARANTEED ANALYSIS:

Sulfur (S) Combined 2%
 Iron (Fe) 5%
 5% Chelated Iron (Fe)

Derived From: Iron Glucoheptonate, Chelating Agent: Glucoheptonate

Weight per gallon 10.6 lbs.

Features & Benefits:

- Essential for chlorophyll development and function
- Excellent for high pH soils associated with iron deficiencies
- Serves to transfer energy in the plant
- Functions in the formation of some enzymes
- For both Soil and foliar applications
- No phytotoxicity

PRODUCT DESCRIPTION:

Organic Iron 5% is a micronutrient that is in a form readily available to plants. It is most effective when placed in the root zone during planting or moved into the soil by irrigation, tillage or rainfall. It is important to treat the iron deficiency before visual symptoms appear to ensure proper yields. Organic Iron 5% is recommended on all types of soil especially alkaline soils. It is ideal for a foliar spray on all types of crops to correct iron deficiencies. Rates of application will vary depending on severity of the deficiency, climate, soil type and method of application. Consult your State Agricultural Experiment Station or Extension specialists for

advice in selecting treatments from this label to best-fit local conditions. Organic Iron 5% is recommended for use as an additive with liquid fertilizers. **DO NOT TANK MIX WITH FERTILIZERS THAT CONTAIN PHOSPHATES**

DEFICIENCY SYMPTOMS:

Severe chlorosis yellowing of leaf tissue with veins remaining green finally becoming "bleached-out". Severe deficiencies result in stunted growth.

SUGGESTED APPLICATIONS:

SOIL APPLICATION

Organic Iron 5% can be applied alone or in combination with dry or liquid fertilizer for preplant, starter or side dress applications. When treating soil around trees, apply Organic Iron 5% within the drip line.

When treating ornamentals and shrubs, dilute it with water and apply the solution on the soil around the plants.

FOLIAR APPLICATION

Foliar treatments are required when there are severe deficiencies. Organic Iron 5% can be applied as a foliar spray when diluted with water according to label recommendations. To ensure even distribution on leaf surface and increase effectiveness of foliar application, a small amount of wetting agent or detergent may be added. Note: foliar sprays of Organic Iron 5% should not be considered a substitute for soil application but rather a supplement or temporary measure to correct the iron deficiency. When fast deficiency correction is necessary or soil application is expensive or impractical, foliar applications are recommended. Caution: If

VEGETABLE CROPS	Rate	Application Timing / Intervals		
		1st Application	2nd-3rd Application	Additional Applications
Tomatoes, Peppers	1 - 4 pints / acre 2-5 liters / hectare	Apply after transplanting, thinning or at 2nd true leaf stage	Apply 1-2 subsequent applications at 10-15 day intervals	Use as needed to supplement nutritional requirements
Lettuce, Spinach, and Other Leafy Vegetables	1 - 4 pints / acre 2-5 liters / hectare	Apply after transplanting, thinning or at 2nd true leaf stage	Apply 1-2 subsequent applications at 10-15 day intervals	Use as needed to supplement nutritional requirements
Broccoli, Cauliflower, and Other Brassica Varieties	1 - 4 pints / acre 2-5 liters / hectare	Apply after transplanting, thinning or at 2nd true leaf stage	Apply 1-2 subsequent applications at 10-15 day intervals	Use as needed to supplement nutritional requirements
Melons, Cucumbers, and Other Cucurbits	1 - 4 pints / acre 2-5 liters / hectare	Apply after transplanting, thinning or at 2nd true leaf stage	Apply 1-2 subsequent applications at 10-15 day intervals	Use as needed to supplement nutritional requirements
Beans & Peas	1 - 4 pints / acre 2-5 liters / hectare	Apply after transplanting, thinning or at 2nd true leaf stage	Apply 1-2 subsequent applications at 10-15 day intervals	Use as needed to supplement nutritional requirements
Strawberries	1 - 4 pints / acre 2-5 liters / hectare	Apply after transplanting	Apply at 30 day intervals	Use as needed to supplement nutritional requirements
Potatoes, Onions, and Other Vegetable Root, Bulb, or Tuber Crops	1 - 4 pints / acre 2-5 liters / hectare	Apply after transplanting, thinning or at 2nd true leaf stage	Apply 1-2 subsequent applications at 10-15 day intervals	Use as needed to supplement nutritional requirements
Coffee	1 - 4 pints / acre 2-5 liters / hectare	Apply at 2-4 week intervals after plants become established.		

label instructions are not followed for foliar application, phytotoxicity may occur.

CAUTION: Keep out of reach of children. In case of contact with eyes, flush immediately with copious amounts of water. Contact a physician. Do not take internally.

Manufactured By:



Foliar Spray Recommendations

Application	Rate	Frequency / Notes
Outside Nursery & Tree Farm, Field Grown Applications	Foliar Spray: 2.5 pint per 100 gallons water or 2 pints per acre (1 L per 400 L water)	Repeat the application every 30 days or as needed. Apply after transplanting
	Continuous Feed: 6 oz per 100 gallons of water (177ml per 400 L water)	
	Soil Application: 3-4 pints per 100 gallons water (1.5-2 L per 400 L water)	
Greenhouse Foliar Spray Only	Transplanting: Mix 3 oz in 2.5 gallons of water (88 ml in 10 L water)	Soak plug tray or foliar spray after transplanting
	Propagation: 1 oz in 2.5 gallons of water (30 ml in 10 L water)	Apply at 2nd leaf stage, and then every 10-14 day intervals
	Maintenance: .3 - 1 ounce in 2.5 gallons of water (9-30 ml in 10 L water)	Apply at 10-14 day intervals to supplement nutrient requirements

PERMANENT CROPS	Rate	Application Timing / Intervals	
		1st Application	2nd / Additional Applications
Almonds, Walnuts, and Other Nut Crops	1 - 4 pints / acre 2-5 liters / hectare	Apply first application at green tip	Apply at 30 day intervals up to nut fill, or as needed to supplement nutritional requirements
Plums, Nectarines, and Other Stone Fruit	1 - 4 pints / acre 2-5 liters / hectare	Apply first application at green tip or pink bud	Apply subsequent applications at fruit set or jacket fill, fruit thinning, and 2-3 weeks prior to harvest, or as needed to supplement nutritional requirements
Apples, Pears, and Other Pome Fruit including Papaya	1 - 4 pints / acre 2-5 liters / hectare	Apply first application at green tip	Apply at 30 day intervals up to harvest, or as needed to supplement nutritional requirements
Kiwi	1 - 4 pints / acre 2-5 liters / hectare	Apply first application pre-bloom	Apply at 30 day intervals up to nut fill, or as needed to supplement nutritional requirements
Citrus Crop (Bearing and Non-Bearing) including Avocados	1 - 4 pints / acre 2-5 liters / hectare	Apply first application pre-bloom	Apply subsequent applications at mid-crop, and 3-4 weeks prior to harvest, or as needed to supplement nutritional requirements
Olives	1 - 4 pints / acre 2-5 liters / hectare	Apply first application pre-bloom	Apply at 30 day intervals up to harvest, or as needed to supplement nutritional requirements
Table Grapes	1 - 4 pints / acre 2-5 liters / hectare	Apply first application at bloom	Apply subsequent applications at bunch pre-closing, veraison, and 2-3 weeks prior to harvest, or as need to supplement nutritional requirements
Wine Grapes	1 - 4 pints / acre 2-5 liters / hectare	Apply first application at approximately 5% bloom	Apply subsequent applications at bunch pre-closing, veraison, and 2-3 weeks prior to harvest, or as need to supplement nutritional requirements
Raspberries, Blackberries, and Other Caneberries	1 - 4 pints / acre 2-5 liters / hectare	Apply first application pre-bloom	Apply at 30 day intervals up to harvest, or as needed to supplement nutritional requirements
Hops	2 - 4 pints / acre 2-5 liters / hectare	Apply first application at 1" - 4" inch of shoot growth	Apply subsequent applications at 8"-10" inch of shoot growth, at 5'-6' feet in height after trellising, or as needed to supplement nutritional requirements.
Mangos	2 pints / acre 2 liters / hectare	Spray tree every 14 days during blossom period	Spray monthly until harvest. Spray to the point of run-off
Pineapples	4 pints in 100 gallons / acre (5 L / hectare)	Apply to established plantings	Apply at 90 day intervals
Bananas	1 - 4 pints in 100 gallons water / acre (1-5 L / H)	Apply at 7 - 14 day intervals. 20-30 applications pr year.	