

Field Research

Platinum Fe EDDHA

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Many soils in the western United States and Mexico are either deficient in iron or have soil properties that negatively effect the plants ability to maintain adequate iron nutrition. Therefore it is very often required to apply an iron source that is readily available for plant uptake over a long period of the crops life cycle.

Platinum Iron EDDHA 6% is a plant nutrient supplement to prevent and correct iron deficiencies. It performs best in soil applications where the pH is 3.5 to 9.0. and has the ability to provide iron over the crops life cycle. In commercial use on Green Beans in 2006 in the Winter Garden area of Texas, RSA Platinum Iron EDDHA 6% was applied in furrow at a rate of 2 lbs. per acre. Photo 1 shows the results, treated rows on the right untreated rows on the left.



Iron Facts

Iron is needed for many reasons in plants; energy transfer, enzyme activation, photosynthesis, chlorophyll formation and aiding in flower and fruit formation. Under the following conditions it can be expected to have iron deficiencies; low soil Fe, high soil pH, excessive free soil calcium, high soil levels of P, Mn, Cu, Zn and poorly drained aerated

soils. Iron deficiency symptom are; lower yield, interveinal chlorosis of the younger leaves, veins will remain green and leaves appear limp and hang down.

Recommended Crops

Berries: blueberry, strawberry

Nut Crops: pecan, walnut and other nut crops

Grain and Other Crops: canola, corn, cotton, edible bean, rice, sorghum, soybean, and wheat

Brassica (cole) Leafy Vegetables: (such as but not limited to) broccoli, brussel sprouts, and cauliflower

Vegetables: carrot, melons, onion, pepper, potato, and tomato

Leafy Vegetables (except brassica vegetables): (such as but not limited to) celery, lettuce, spinach

Tree and Fruit Crops: apple, avocado, cherry, citrus, grape, peach, plum and other tree fruits

Use Rates and Timing

<u>Deficiency</u>	<u>Pounds/ acre</u>
Maintenance	1/2 to 1
Moderate deficiency**	1 to 1-1/2
Severe deficiency**	1-1/2 to 2

** Or as determined by tissue analysis.

This bulletin provides some technical information and is not intended to give complete information for all applications. Always read and follow label directions.

