

QMIN IRON 5.5%

QMIN Iron 5.5% is designed for foliar and soil application to crops for the prevention and correction of Iron deficiencies, that may limit growth and yield.

BENEFITS OF QMIN IRON

- **QMIN Iron** is 100% soluble and nontoxic to foliage when it is applied as per label directions.
- **QMIN Iron** utilizes a proprietary manufacturing technology whereby a blend of polysaccharides is reacted with specific ionized nutrients, resulting in complexed compounds which help improve nutrient uptake and translocation within the plant.
- **Unique Polysaccharide Technology** protects micronutrients until they are used by plant or microbes.
- **QMIN** is compatible with an extensive range of fertilisers & crop protection products, as well as in low pH formulations.

THE ROLE OF IRON (Fe) IN PLANTS

- **Biological function:** Iron is involved in the synthesis Chlorophyll, which also gives the plant oxygen, along with its green colouring.
- **Metabolic Pathway Activation** Iron serves as a component of many vital enzymes such as cytochromes of the electron transport chain and is thus required for numerous critical functions in plants.
- **Enzymatic action** Responsible for carbohydrates and photosynthesis metabolism.

Iron participates in chlorophyll formation, is required to activate many enzymes in plants and is needed for plant immune responses. As a result, it is important for increasing plant resistance to diseases and pests. Zinc is also essential for auxin (hormone) production, which helps with growth regulation and stem elongation. It is used in the development of some carbohydrates for conversion of starches to sugars and its presence in plant tissue, helps the plant to tolerate extreme temperatures.

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GUARANTEED ANALYSIS

Iron (Fe)5.5%
5.5% Water soluble Iron (Fe).
Derived from: Iron Polysaccharide.

APPLICATION

DECIDUOUS TREE CROPS: Including Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Foliar: 1.1 – 4.6 L/ha.** Spray at early bud, post petal fall.

EVERGREEN TREE CROPS: Such as Avocado, Citrus, Macadamia. **Foliar: 1.0 – 4.6 L/ha** **Fertigation: 2 – 9 L/ha.** Apply to recently hardened spring flush or during active growing period & post-harvest.

FRUITING VEGETABLES: Such as Capsicum, Cucurbits, Eggplant, Tomatoes, Watermelons, Pumpkins. **Foliar: 0.5 – 4.6 L/ha.** **Fertigation: 1 – 5 L/ha.** Apply at regular intervals from 5th leaf until 14 days pre harvest. Fertigate regularly to replenish nutrients.

LEAFY VEGETABLES: Such as Endive, Fennel Lettuce, Broccoli, Cabbage, Cauliflower, Kale and Herbs. **Foliar: 0.5 – 4,6 L/ha.** **Fertigation: 1 – 5 L/ha.** Apply at 3 -4th leaf stage.

ROOT VEGETABLES: Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 0.5 – 4.6 L/ha.** **Fertigation: 1 – 5 L/ha.** Foliar spray, early season or when leaf area is sufficient to intercept spray. Apply with compatible crop protection sprays.

VINE & BERRY CROPS: Such as Blueberry, Strawberry, Raspberry, Wine and Table Grapes. **Foliar: 0.5 – 4.6 L/ha.** **Fertigation: 1 – 5 L/ha** First foliar application shoots 10 cm long. Second application less than 5% flowering. Colour Development

BROADACRE: Such as Barley, Canola, Cotton, Grain legumes, Maize, Oats, Rice, Sorghum, Triticale, Wheat & Pasture crops. **Foliar: 0.5 – 4.6 L/ha.** **Fertigation: 0.8 - 5 L/ha** Water injection or down the tube. Best applied at 3 – 4 true leaf, may be used at other growth stages. For maintenance, use the higher rate.

****Please consult your crop adviser for orchard specific recommendations**