

## QMIN N-GAIN

**QMIN N-GAIN** 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 N-GAIN

- **QMIN N-Gain** is 100% soluble and nontoxic to foliage when it is applied as per label directions.
- **QMIN N-Gain** 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

- **Nitrogen** is a macronutrient essential for plant growth. It is the nutrient that is in greatest demand. N is necessary for plants to produce chlorophyll and is the major component of proteins.
- **Biological function:** Nitrogen plays a critical role within the plant to ensure energy is available when and where the plant needs it to optimize yield.
- **Enzymatic action** Nitrogen is present in the roots as proteins and enzymes help regulate water and nutrient uptake.

**Nitrogen** is vital because it is a major component of chlorophyll, the compound by which plants use sunlight energy to produce sugars from water and carbon dioxide (i.e., photosynthesis). It is also a major component of amino acids, the building blocks of proteins. Without proteins, plants wither and die. Some proteins act as structural units in plant cells while others act as enzymes, making possible many of the biochemical reactions on which life is based.

# QMIN N-GAIN

## GUARANTEED ANALYSIS

15-0-0

Total Nitrogen (N) .....15%  
11.70% Urea Nitrogen  
3.30% Other Water-Soluble Nitrogen.  
Derived from: Urea & Plant Protein Hydrolysate.

## APPLICATION

**DECIDUOUS TREE CROPS:** Including Apple, Almond, Cherry, Nectarine, Peach, Pear, Pistachio and Walnut. **Foliar: 1.1 – 9 L/ha.** Spray at early bud, post petal fall.

**EVERGREEN TREE CROPS:** Such as Avocado, Citrus, Macadamia. **Foliar: 1.0 – 3 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 – 9 L/ha. Fertigation: 1 – 20 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 – 9 L/ha. Fertigation: 1 – 20 L/ha.** Apply at 3 -4th leaf stage.

**ROOT VEGETABLES:** Such as Beetroot, Carrot, Leek, Onion, Potato, Radish, Sweet Potato. **Foliar: 0.5 – 9 L/ha. Fertigation: 1 – 20 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 – 9 L/ha. Fertigation: 1 – 20 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 – 9 L/ha. Fertigation: 0.8 - 20 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**