



SPRAYGRO LIQUID FERTILIZERS

ABN 47 007 974 496

FIRMRITE YOUR CROP

Spraygro liquid fertilizers have the most comprehensive and balanced series of Firmrite liquid fertilizers for the broadacre and horticultural markets. We call it Firmrite because application of this range of products impacts correct firmness to fruits and plants. The primary nutrient in this range is calcium alone or blended with synergistic straight or chelated elements. Calcium is also known as the "KING" of all elements in plant nutrition. Calcium is the primary element of plant cell wall where it binds with the pectin molecules to provide rigidity to the cell wall. Plants with adequate levels of calcium resist fungal, bacterial and viral infections better than those with deficient levels of calcium in their cell walls. Calcium also regulates the growth processes in plants by combining with a special protein molecule, called calmodulin. Plants respond to their own hormones through calmodulin.

Calcium, unlike other major nutrients such as nitrogen, potassium and phosphorus, is relatively immobile and the deficiency symptoms first appear on the new leaves or the growing points of the shoots. Most of the growers must be familiar with bitter pit in apples, and tip burn in lettuce. These disorders are primarily due to calcium deficiency. The blossom end rot disorder in tomato explains the acute shortage of calcium during fruit development period. Foliar application of our Firmrite mixes has proven to be the best practice to eliminate calcium disorders, boron, nitrogen and magnesium deficiencies during critical stages of growth.

Spraygro Firmrite ranges from 16% calcium to whopping 22 % calcium analysis (highest calcium analysis in a clear liquid available) along with synergistic elements. This product range has been professionally designed to correct calcium levels in plants, increase fruit firmness and shelf life. The other active ingredient in Firmrite CB (16% calcium & 0.2% Boron) and Firmrite CMB (15% nitrogen, 22% calcium 3 % magnesium & 0.01% boron) is boron. Boron helps in pollination and proper fruit set, promotes uniform maturity and maintains the growing tips. Boron is also less mobile in plants and sometimes the deficiency symptoms of boron are identical to that of calcium.

Inclusion of magnesium in Firmrite CMB will correct the critical calcium/ magnesium ratio, improves chlorophyll, marketability of fruit and fruit size. Broadacre crops also benefit a lot by improving their calcium/ magnesium ratio and are more resistant to snapping off their heads due to high wind velocity during maturity period. Our Firmrite range can also be applied on cash crops, such as cotton to improve fruit cell walls for greater lint strength, which is one of the key quality control parameters of the industry.

For further information contact SPRAYGRO LIQUID FERTILIZERS on (08) 8447 7266

- Firmrite ----- Calcium 16 %
- Firmrite CB----- Calcium 16%, Boron 0.2%
- Firmrite CMB----- Calcium 22%, Boron 0.1%, Magnesium 3%, Nitrogen 15 %
Iron 0.1%, Manganese 0.2%, Zinc 0.05,
Molybdenum 0.002%, Copper 0.08%



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