



# CalFert™

## Group 2 Fertilizer

Registration number, Act 36/47 - Pending

### Product description:

A dark brown, nitrogen-free, calcium containing liquid. The product contains soluble calcium (Ca) and is enriched with AminoFix-3000, an organic acid with an exceptionally high cation exchange capacity (CEC) that also acts as an excellent biostimulant.

Amino acids are also intermediate chelators, improving the uptake of minerals. In particular, amino acids improve the uptake of calcium. Certain amino acids stimulate root cells to open up calcium ion channels, allowing calcium to be taken up many times faster than simple osmosis.

Calcium strengthens the stems and vascular system of the plant, allowing water and minerals to be taken up more efficiently. The more efficiently water and minerals are assimilated by the plant, the higher the brix.

### General information:

- ◆ Provides soluble and available calcium to the plant.
- ◆ Improves nitrogen efficiency
- ◆ Acts as a slow release carbon source and nutrient for soil micro-organisms.
- ◆ Helps strengthen cell walls
- ◆ Stimulates root and shoot growth.
- ◆ Increases translocation and enzymatic processes in plants.
- ◆ Increases the cation exchange capacity in the root zone.

### Product specifications:

#### Packaging:

25kg plastic containers, 1000ℓ "flow-bins" or bulk containers.

#### Typical analysis:

Plant available Calcium .....12% (120g/kg)  
Fulvic acid .....5% (50g/kg)

#### Properties:

pH.....3-4  
Appearance.....dark brown liquid  
Residue (0,5mm).....none  
Specific gravity.....1,42

### Dosage rates:

General application guidelines are provided below. For more specific advice and rates, please contact **Humefert Manufacturing (Pty) Ltd.** at **021-9057232**, or your nearest Humefert agent.

### Application rates:

#### Orchards, vines and horticultural crops:

*Drip and micro jet irrigation:* 10L/Ha, 3 to 4 times per season (during active root growth).

#### Liquid injection at seeding:

15L/Ha – apply in-furrow during planting

#### Foliar application:

300 to 500mL/100L water according to leaf analysis.

### Dilution rate:

**Boomspray:** 1:10 dilution of CalFert in water or liquid nitrogen (UAN or AN-21)

**Sprinkles or central Pivots:** Minimum of 1:100 dilution of CalFert in water

**Drip and micro jet:** : Minimum of 1:200 dilution of Calfert in water

### Recommendations:

CalFert can be mixed with nitrogen sources such as liquid urea, UAN-32 and AN-21 or 19. Avoid mixing with sulfur and phosphate containing materials.

### Storage:

Store in a cool, dry area away from direct sunlight.

### Disclaimer:

To the best of our knowledge, the information contained herein is accurate, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user.

*For more technical information, contact your nearest agent.*