



# SYMBIO PHOSPHITE

## Benefits

- ✓ *Can increase the efficacy of fungicide applications*
- ✓ *Promotes the natural control and resistance of some plant fungal diseases*
- ✓ *Stimulates the plants own defence mechanisms and biologically active metabolites*
- ✓ *Highly soluble so readily taken up by roots and leaves*
- ✓ *Translocates to all areas of the plant*

**SYMBIO PHOSPHITE** is a liquid plant tonic containing fast-acting, phosphite ( $HPO_3^{2-}$ ) molecules, rather than the usual phosphate ( $PO_4^{3-}$ ).

**PHOSPHITE** is far more soluble than Phosphate making root and foliar uptake far more efficient.

**PHOSPHITE** is highly mobile and active within the plant and translocates from treated leaves to the roots via the phloem.

**PHOSPHITE** has been shown to stimulate the plants own defence mechanisms; biologically active Phytoalexins, metabolites and the plants immune response. Therefore, enabling the plant to naturally control and resist some common diseases.

**IN THE ABSENCE OF PHOSPHATE** or when Phosphite has accumulated in the soil, degradation of Phosphite occurs by some soil microbes over a 2 to 3 month period. These soil microorganisms are able to assimilate Phosphite and release plant accessible Phosphate, gaining nutrients and energy from this biological conversion.

**SYMBIO PHOSPHITE** also complements the action and mobility of other nutrients such as calcium, manganese and iron.

**PHOSPHITE** can also increase the efficacy of fungicide applications, by stimulating the plants own immune defence mechanisms.

### APPLICATION RATE

4-5 litres per hectare in a minimum of 250 litres of water.

Tank mix with Symbio Fulvic Booster for improved leaf penetration

Tank mix with Symbio Phytogro for increased plant hardiness

### Precaution

**IF SWALLOWED** Rinse Mouth, Do not induce vomiting

**IF ON SKIN** Gently wash with plenty of soap and water

**IF IN EYES** Rinse cautiously with water for several minutes

**PACK SIZE: 10L**

NUTRIENTS	NUTRIENT % BY VOLUME	1 ML/LITRE	2 ML/LITRE
Ammonium-N	4.9	49mg/ litre 490g/ha	98mg/litre 980g/ha
Phosphate-P <sub>2</sub> O <sub>5</sub>	30.5	305mg/ litre 3050g/ha	710mg/ litre 7100g/ha
Potassium-K <sub>2</sub> O	11	110mg/ litre 1100g/ha	220mg/ litre 2200g/ha