



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 (hpo_4).

PHOSPHITE is far more soluble than Phosphate make root and foliar uptake far more efficient, in some plant species. However, very high concentrations can be toxic.

PHOSPHITE is highly mobile and active within the plant and translocates from treated leaves to the roots via the phloem, where it has been shown to provide some control over root diseases i.e. *Phytophthora*.

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 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 ₂ O ₅	30.5	305mg/ litre 3050g/ha	710mg/ litre 7100g/ha
Potassium-K ₂ O	11	110mg/ litre 1100g/ha	220mg/ litre 2200g/ha