

P PHLOEM™

ORGANICALLY COMPLEXED LIQUID PHOSPHORUS



DESCRIPTION

P PHLOEM™ contains phosphorus (P) and various organic complexing agents, formulated for efficient phloem uptake and final assimilation.

KEY BENEFITS

- Supplies phosphorus, which is vital for photosynthesis, metabolic pathways, and key enzymatic reactions
- Assists with protein synthesis
- Promotes plant maturity and overall crop quality
- Improves flower formation and seed production
- Suitable for use on a wide variety of crops
- Can be used as a foliar application for rapid uptake
- Suitable for use in combination with other micronutrients

CONTAINS

(N% - P% - K% - S%)

(0 - 7 - 0 - 0)



- 7.70 %W/V



POSITIONING AND FUNCTIONS

P PHLOEM™ forms part of the PHLOEM™ single-element range and contains a unique mix of organic complexing agents to improve uptake. Phosphorus is only second to nitrogen in the amount required by plants to maintain growth. Phosphorus is involved in all plant metabolic pathways, but also functions as a cellular signal transducer and regulator of genetic expression.

It is an integral part of energy metabolism, specifically in the conversion of AMP to ATP, as well as an activator of various enzymatic reactions. Without phosphorus, photosynthetic capacity, ATP generation and carbohydrate synthesis will decline, while the plant mobilises phosphorus reserves from leaves and fruit. It is thus crucial during critical phenological stages where cell division and growth are required, that adequate phosphate levels are maintained. Since physiological as well as environmental stress factors can contribute to a decline in root phosphorus uptake, the application of a highly available foliar P-source can aid in maintaining photosynthetic capacity and reduce the need for P remobilisation from other tissues. The complexing agents present in P PHLOEM™ are readily identified and taken up by the plant, increasing assimilation, with little to no conversion required for phloem loading.

This leads to reduced ATP requirements for nutrient transport as well as assimilation. These selected organic complexing compounds will also contribute to plant metabolism and carbohydrate synthesis by supplying carbon skeletons for metabolic precursors or intermediate metabolic functions.

P PHLOEM™ is ideal to target a deficiency or growth stages with high phosphorus requirements. P PHLOEM™ can be applied throughout the crop life cycle as phosphorus is required by the plant from the seedling stage through to maturity and has a definite impact on crop quality and yield.

REGION

NEW ZEALAND

TYPE

Liquid

APPLICATION

Foliar

PACKAGING

20ℓ, 200ℓ, 1000ℓ

CROPS



Berries



Fruit tree crops



Grain & field crops



Nut tree Crops



Pastures



Vegetables