

# K PHLOEM™

## ORGANICALLY COMPLEXED LIQUID POTASSIUM



### DESCRIPTION

K PHLOEM™ contains potassium (K) and organic complexing agents, formulated for improved uptake and assimilation.

### KEY BENEFITS

- Prevents and corrects potassium deficiencies
- Organically complexed for efficient uptake and assimilation
- Contains no chlorine (Cl) or nitrogen (N)
- Supports plant metabolism, sugar, and starch transport
- Suitable for use on a wide range of crops
- Suitable for use in combination with other macronutrients
- Can be applied both as a foliar fertiliser or through the fertigation system
- Do not apply close to copper (Cu) applications (see label)

### CONTAINS

(N% - P% - K% - S%)  
( 0 - 0 - 0 - 0 )

**K** - 24 % W/V



### POSITIONING AND FUNCTIONS

K PHLOEM™ is a highly soluble potassium source with organic compounds for rapid and effective uptake. K PHLOEM™ contains no nitrogen or chlorine and can be applied at any growth stage when potassium requirements are increased. The product is beneficial for use during certain growth stages when potassium is required but additional nitrogen and chlorine would be detrimental to the crop's growth and quality e.g., lodging in wheat and in vegetable crops such as lettuce, here potassium can be applied to improve shelf life and colour.

Potassium is essential for the utilization of carbohydrates during the creation of cellulose and starch. Potassium also assists with the photosynthesis process, opening and closing of the stomata, and the production and transportation of sugars. Therefore, potassium holds additional value to crops with high carbohydrate content, such as sugarcane, potato, and sugar beet. This makes K PHLOEM™ ideal for improving the size, shelf life, and colour of fruits and vegetables, as well as improving stalk strength in small grains.

Organic complexing agents in K PHLOEM™ not only ensure rapid and effective uptake of potassium, but also directly supports plant metabolism. These organic compounds are directly fed into plant metabolism to support acetyl-CoA regeneration, an essential component of photosynthesis, respiration, fatty acid, and secondary metabolite production as well as antioxidant activities. Additionally, these compounds have been shown to act as biostimulants under drought conditions by aiding in the maintenance of metabolic activities.

K PHLOEM™ is an ideal product to be applied when nitrogen can be damaging to crop quality, e.g., lodging in wheat, in vegetable crops such as lettuce, additional potassium can be applied to improve the shelf life and colour.

### REGION

NEW ZEALAND

### TYPE

Liquid

### APPLICATION

Foliar

### PACKAGING

20 l, 200 l, 1000 l

### CROPS

-  Berries and Cherries
-  Fruit trees and vines
-  Grain and Field crops
-  Potatoes
-  Sugarcane
-  Tree nuts
-  Vegetables

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