PHYNUTRIC

Professional crop nutrition product range

Potassium
19
K
39.098

Super-K

High concentration of 100% soluble potassium plant nutrition for;

- Enhanced water uptake by the root and the total water status of the plant
- Supports photosynthesis and transport of assimilates to fruits and roots
- Activates enzymatic systems forming sugars, starch and proteins
- Increases sugar content of crops such as fruits, carrots, onions, etc
- Increases the size of fruits and improves the colour of fruits and flowers

Plants need potassium

Potassium is an essential element for all living organisms. Especially plants! Potassium is taken up at a very high rates, and although it is not a constituent of organic compounds, it is universally present in all plant tissues. It acts as a catalyst, triggering various plant enzymatic functions, and it plays a vital part in controlling the chemical balance, which if deficient, can lead to a drop in plant's ability to fight disease.

Potassium regulates water uptake through osmosis absorption via the roots and regulates the activity of stomata cells to prevent unnecessary water loss through transpiration. In conjunction with calcium, potassium provides cell wall strength thereby affecting turgidity and dry matter quality.

Potassium's role in photosynthesis and in the production and translocation of carbohydrates to areas of fruit development and storage is very important in vegetables and fruits as it directly affects sugar and starch accumulation.

Potassium deficiency symptoms

Mottled chlorosis followed by necrotic areas along the leaf margins and at the tips of the leaves. Deficiency progresses to leaf curl with widespread blackening and scorching. Deficient plants may abort seeds or fruits prior to ripening. While internally there is; reduced plant strength, loss of vigour and slowdown in the transport of carbohydrates. Also, there is less resistance during periods of low water availability to fungal diseases.

Possible causes of potassium deficiency

Light sandy loam during periods of high rainfall and soils which are low in organic matter. High levels of magnesium will antagonise potassium uptake.

Recommended application rates

	Litres per hectare	Applications	Max dilution
Top and soft fruit	2 - 3	2 - 4	1/1000
Tomatoes and peppers	2 - 3	2 - 4	1/750
Ornamentals & alliums	2 - 3	2 - 4	1/750
Potatoes, tubers & vegetables	2 - 3	3 - 5	1/500
Salads, celery & capsicums	2 - 3	3 - 5	1/500
Drip irrigation	3 - 5	-	1/500

Tank mixing advice When using for the first time, apply a small amount of liquid in tepid water within a container along with other components of your spray formulation and leave for a period of 5 minutes to see if there is any precipitation or other adverse reaction prior adding to your main tank mix.

Product analysis

EEC FERTILISER	UK NUTRIENT DECLARATION		EU NUTRIENT DECLARATION	
Appearance		**Clear liquid**		**Clear liquid**
Nitrogen as NH_4	N	4.5 %	N	4.5 %
Potassium	K_2O	46.5 %	K	38.5 %
Manganese	Mn	1 %	Mn	1 %
Zinc	Zn	1 %	Zn	1 %

Packaging – 4 x 5 litre cans per box