

## PHYNUTRIC

**Professional crop nutrition product range**

## Early-PK

**High concentration 100% soluble phosphorous and potassium plant nutrition for;**

Enhanced root development and tillers

- Homogeneous flowering, seed and fruit set
- Essential for the maintenance of crop vigour, energy and vitality
- Photosynthesis and transport of assimilates to fruits and roots
- Enzymatic systems forming sugars, starch and proteins
- Sugar content of crops such as fruits, carrots, onions, etc

<b>Phosphorous</b>
<b>15</b>
<b>P</b>
<b>30.974</b>
<b>Potassium</b>
<b>19</b>
<b>K</b>
<b>39.098</b>

### **Plants need phosphorous**

Phosphorous provides a major contribution toward plant growth and health. As  $P_2O_5$  phosphorous is essential for early root development and the development of plant tillers. It supports tuber and fruit growth, and working in synergy with nitrogen, it supports the fruit the ripening and bulking process. Phosphorous is a key ingredient in the formation of plant enzymes and a key component in the manufacture of sugars and complex carbohydrates. As a catalyst for energy transfer, it is vital to photosynthesis and the development of cell structures. Phosphorous demands for new leaves, seed and fruits, are often provided by the older leaves when soil supplies are unavailable.

## Plants need potassium

Potassium 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. It 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.

## Product analysis

EEC FERTILISER	UK NUTRIENT DECLARATION		EU NUTRIENT DECLARATION	
Appearance	Clear liquid		Clear liquid	
Phosphorous	P2o5	50 %	P	22 %
Potassium	K20	40 %	K	33 %
Manganese	Mn	1 %	Mn	1 %
Zinc	Zn	1 %	Zn	1 %

## Recommended application rates

	Litres / ha	Applications	Max dilution
Top and soft fruit	1-2	1-2	1/1000
Tomatoes and peppers	1-2	1-2	1/750
Ornamentals& alliums	1-2	1-2	1/750
Potatoes, tubers & vegetables	1-2	2-3	1/500
Salads, celery & capsicums	1-2	2-3	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.