



# HydraFlow

# CONTROL PK

0 - 30.0 - 30.0 N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O (w/w)

HydraFlow Control PK is a high analysis liquid fertiliser containing a readily available form of potassium and slow release phosphorus for the improvement of growth, fruit fill and quality.

The mode of action for availability is due to the form of Phosphorus that HydraFlow Control PK uses. In a reduced form (Phosphite PO<sub>3</sub>), HydraFlow Control PK will convert to the oxidized form (Phosphate PO<sub>4</sub>) over a period of 14 - 28 days. This gives a slow release effect.

The form of phosphorous will also assist the plant to maintain a healthier status as HydraFlow High PK will heighten the plants ability to detect attacking pathogens. Once detected, the plant can initiate an immune response to defeat such fungal attacks.

HydraFlow Control PK contains no Nitrogen so the management of vigor and growth can be better controlled. The combination of slow release phosphorus and potassium in high concentration fits perfectly into the standards required for premium quality produce

### THE FUNCTION OF PHOSPHORUS

Phosphorus acts as a structural component of nucleic acids, and phospholipids, which form, plant membranes. It is also important in cell division, and energy transfer due to the formation of ATP and ADP. Lack of growth in shoots and roots is symptomatic of phosphorus deficiency. Phosphorus can be affected by pH, Phosphate retentive soils and low phosphorus reserves.

### THE FUNCTION OF POTASSIUM

Potassium, a highly mobile element in the plant, regulates cell turgidity. It is therefore important in stomata control. Potassium also maintains cell division and formation of proteins, carbohydrates and fats. Deficiencies of potassium generally result in low yields of poor quality and burn of the leaf tips.

GUARANTEED ANALYSIS		W/V%	W/W%
Phosphorus	(P <sub>2</sub> O <sub>5</sub> )	46.500	30.000
Potassium	(K <sub>2</sub> O)	46.500	30.000
Iron	(Fe)	0.160	0.100
Zinc	(Zn)	0.160	0.100
Boron	(B)	0.160	0.100
Copper	(Cu)	0.080	0.050
Manganese	(Mn)	0.080	0.050
Magnesium	(Mg)	0.008	0.005

CROP	RATE: L/ Ha	WATER*
Vines	3 - 6	1 : 100 - 200
Broadacre	3 - 5	1 : 50 - 100
Vegetables	3 - 6	1 : 100 - 200
Tree Crops	3 - 6	1 : 200 - 400

A dilution of 1 : 100 means 1 part product : 100 parts water. In hot weather, use the higher dilution rate where applicable.