

# Protect Your Crop Against Frost



## Bio Kelp Guardian™

Product Code: SG0015

Bio Kelp Guardian is a blend of liquid seaweed, electrolytes, phosphorus and potassium which can assist in increasing resistance to frost and recovery from the associated stress in grapevines.

In typical situations, Bio Kelp Guardian may improve frost tolerance by as much as 1 to 3°C provided shoots are less than 10cm and up to 1°C at later stages of growth.

### Additional benefits from liquid seaweed, include;

- An increase in chlorophyll production
- Increased nutrient uptake
- Increased tree vigour
- Increased ability to deal with water stress.

*These four benefits are thought to arise by a combined action of plant growth regulators, auxins, betaines and cytokinins.*

Bio Kelp Guardian contains additional nutrients such as added potassium and phosphorus which have additional beneficial effects on plant water regulation and metabolism.

Bio Kelp Guardian can also be used, with care, to reduce heat stress. It should be remembered that no strategy is 100% guaranteed to eliminate frost damage.

### Guaranteed Analysis

Nitrogen (N):	0.1%
Phosphorus (P):	2.9%
Potassium (K):	9.2%
Sulphur (S):	0.5%
Kelp:	30.0%
Specific Gravity:	1.15 - 1.16 kg/L
pH:	9.4 to 9.8

### Typical Application Rates

#### Foliar

5 to 20 L/ha

#### Fertigation

If applied from bud burst to 10cm shoots, 3 to 4 L/ha every 10 - 12 days.

If shoots are great than 10cm, 3 to 4 L/ha every 8 - 10 days or at least 48 hours before a frost event.



### Contact:

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FERTILIZERS

- ✓ Quality
- ✓ Investment
- ✓ Service

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