BiOSiNC K

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A HIGHLY CONCENTRATED FULLY WATER SOLUBLE LIQUID SUSPENSION FERTILISER CONTAINING *POTASSIUM* AND *COMPLEX CARBOHYDRATES* TO ENSURE STRONG PLANT DEVELOPMENT AND IMPROVED CROPPING.

MAJOR BENEFITS OF USING K-FUSION

- Easy to use free-flowing formulation compatible with a wide range of agricultural products. Versatile use for foliar, soil drench or fertigation applications.
- Readily available Potassium source essential to positive growth, vigour and crop yield available in the correct balance with the other elements in order to achieve the maximum uptake of the nutrients by the plant.
- Accelerates seedling development through increased availability of essential nutrients from germination.
- Unique formulation designed to support the vegetative cycle ensuring strong growth and improved plant health, and the maturation cycle to increase crop yield and quality.
- Improved plant health fungal and disease resistance.

POTASSIUM DEFICIENCY

THE ROLE OF POTASSIUM

Potassium is a major nutrient required by all plants as essential for carbohydrate synthesis and the transport of sugars. Second only to Nitrogen in the quantities required by the plant, it's main role as a regulator within the plant means that it influences many other processes including assisting in maintaining proper balance of other ions, cell water content, cell turgidity and transpiration rates and the activation of many enzyme systems.

POTASSIUM DEFICIENCY

Although Potassium is very mobile in the plant, it is required by the crop in vast quantities which may not always be met by availability from the soil. Deficiencies are common on light soils of low exchange capacity or soils with strong potassium fixation. High Calcium levels in the soil may also result in deficiency.

SYMPTOMS OF POTASSIUM DEFICIENCY

- Reduction in plant size and general slowed growth.
- Weak stalks and Bleaching or Yellowing of leaf tips progressing inwards down the leaf.
- Withering or 'Burn' of leaf tips and margins in older leaves.
- Susceptibility to delayed maturity and disease.

PRODUCT CHARACTERISTICS

Specific Gravity: ~1.50
Colour: Clear Liquid

AUSTRALIA

Analysis	Weight/Volume Percent (w/v)%
Potassium (K)	40

INTERNATIONAL

Analysis	Weight/Volume Percent (w/v)%
Potassium (K_2O)	48

DIRECTIONS FOR USE

CROP	RATE / ha	MIN DILUTION	COMMENTS
BANANAS	3 - 5 L	1 : 200	Apply from fruit development to harvest. Do not apply to uncovered fruit.
COTTON (Groung Rig)	2 - 5 L	1 : 15	Apply to young cotton if potassium deficiency is evident. Apply from flowering onwards for premature senescence.
CITRUS	3 - 5 L	1 : 300	Apply at fruit set. Repeat application as required at 14 day intervals.
LEGUMES	3 - 5 L	1 : 100	Apply during peak vegetative growth period.
LUCERNE	5 - 7 L	1 : 10	Apply as required when target leaf area is sufficient.
MANGO	2 -4 L	1 : 200	Apply at fruit development - repeat at 14 day intervals as required. **DO NOT** apply with petroleum based oil products, or within 7 days of such applications.
PECANS - Foliar - Fertigation	 4 - 5Lt 8 -10Lt	1 : 200	Apply two applications during nut development two weeks apart.
PINEAPPLES	5 - 7 L	1 : 100	Apply 4-6 weeks prior to harvest with normal spray program.
POME & STONE FRUIT - Foliar - Fertigation	 3 - 5 L 10 - 12 L	1 : 200	Apply at fruit set and stone hardening. Repeat application as required at 10-14 day intervals.
STRAWBERRIES	3 - 5 L	1 : 200	Apply at flowering. Repeat application as required at 10-14 day intervals.
TURF	20L 200ml / 100m^2	1 : 20	Apply as required to strengthen grass and add colour. Assists as a frost guard.
VEGETABLES Brassicas, Carrots, Cucurbits, Onions, Potatoes, Tomatoes - Foliar - Fertigation	 3 - 5 L 7 - 10 L	 1 : 100	 Apply during late growth stages to maximise yield.
VINES	2 - 4 L	1 : 300	Apply at fruit set. Do not exceed 1x concentration. Do not exceed per hectare rate.

NOTE

- All suggested application rates are for typical Australian conditions, and should be used as guidelines only. Individual conditions; such as climate, water quantity, soil type and application practices may differ, necessitating corrections to ensure optimum results. Increase minimum dilution rate by 1:80 – 1:100 in hot weather for foliar feed
- Ideally brix or leaf tests should be conducted on a regular basis to determine plant nutrient levels at each growth stage. It is highly recommended to conduct soil tests at least once a year.
- Avoid application under extreme weather conditions; temperature over 28oC, high humidity, frost or rain. Apply using a minimum of at least the labelled dilution rate to avoid potential leaf burn.
- It is advisable when applying for the first time or in conjunction with other products, to spray an initial small test area for observation before general application.

MIXING

To ensure even mixing, half fill the spray tank with clean water and add the required amount of product. Agitate thoroughly then add the remainder of the water. Agitate thoroughly while carrying out spray operations. Reseal part-used containers immediately after use.

COMPATIBILITY

BiOSiNC K is compatible with a wide range of agricultural products. If unsure of tank mixes always conduct a jar test and test spray a small area of the target crop. For the latest results of compatibility please contact the retailer.