BiOSiNC FAST 12

BiOSiNC

A HIGHLY CONCENTRATED FULLY WATER SOLUBLE LIQUID FERTILISER FORMULATED TO INCLUDE TWELVE READILY AVAILABLE ELEMENTS, MICRO ELEMENTS, FULVIC ACID AND 30% KELP IN OPTIMAL BALANCE TO SUPPLY MAXIMUM BENEFIT TO THE PLANT.

MAJOR BENEFITS OF USING 1

- 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 trace element source essential to positive growth, vigour and crop yield formulated for maximum uptake by the plant.
- Accelerates seedling development through increased availability of essential nutrients from germination.
- Contains Kelp and Fulvic Acid for improved plant health.

THE ROLE OF RESPONSE

Response is specifically indicated where a supplementary boost of nutrients and trace elements is indicated. The concentrated supply of major and minor elements provided in fully balanced form as supplied by Response ensures improved crop quality and yield. Application will result in enhanced health and colour.

PHOSPHOROUS DEFICIENCY

THE ROLE OF PHOSPHOROUS

Plants need phosphorous at all growth stages, particularly in early growth stages as it is necessary for cell division and growth within the plant. Although mobile within the plant, it is relatively immobile in soil.

PHOSPHOROUS DEFICIENCY

Phosphorous deficiency is most often manifested as purpling of the leaves, particularly the leaf veins. In severe cases the whole plant may take on a purple hue. Tomato roots growing in cold soil, either in the greenhouse or the field, take up phosphorous poorly. Deficient plants lose vigor and yield poorly.

THE ADVANTAGES OF KELP

- Increased root growth and development
- Increased fruit set
- Improved resistence to various crop stresses
- Improved crop production and quality
- Increased shelf life
- Improves foliar nutrition

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 1:50 – 1:100 in hot weather.
- 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.

PRODUCT CHARACTERISTICS

Specific Gravity: ~1.25 Colour: Black

AUSTRALIA

Analysis	Weight/Volume Percent (w/v)%
Kelp	30
Phosphorous (P)	10
Potassium (K)	6
Nitrogen (N)	3
Magnesium (Mg)	0.8
Iron (Fe)	0.2
Manganese (Mn)	0.2
Zinc (Zn)	0.1
Molybdenum (Mo)	0.06
Boron (B)	0.03
Cobalt (Co)	0.02
Copper (Cu)	0.02
Fulvic Acid	

INTERNATIONAL

Analysis	Weight/Volume Percent (w/v)%
Kelp	30
Phosphorous (P_2O_5)	23
Potassium (K_2O)	7.2
Nitrogen (N)	3
Magnesium (MgO)	1.3
Iron (Fe)	0.2
Manganese (Mn)	0.2
Zinc (Zn)	0.1
Molybdenum (Mo)	0.06
Boron (B)	0.03
Cobalt (Co)	0.02
Copper (Cu)	0.02
Fulvic Acid	

Application recommendations for Response 1. Apply with sufficient water for thorough coverage of leaves when foliar applying.

HORTICULTURE: Foliar rate of application per min water/hectare:

150 - 350 litres. Tree crops may require higher rates (500 - 1000L)

DIRECTIONS FOR USE

CROP	RATE / ha	MIN DILUTION	COMMENTS
AVOCADOS AND TROPICAL FRUIT	4 L	10 - 20 L	Apply at 7 - 14 day intervals from fruit set through to harvest.
ASPARAGUS	2 - 4 L	7 - 10 L	Apply at spear emergence until harvest.
CITRUS	2 - 4 L	15 - 30 L	Apply post-flowering until fruit expansion.
CAPSICUM	3 - 4 L	10 - 30 L	Apply post-planting until mid fruiting.
BRASSICAS	4 L	10 - 15 L	Apply at early head development to harvest every 14 days.
CURCURBITS	2 - 4 L	15 - 20 L	Apply at fruit set onwards every 7 - 14 days until harvest.
GARLIC AND ONIONS	3 - 4 L	12 - 15 L	Apply from when sufficient leaf area exists to intercept spray and bulb development through to harvest.
GRAPES	3 - 5 L	5 - 20 L	Apply post-bud burst until veraison.
LEAFY GREENS	2 - 3 L	8 - 12 L	Apply every 7 -14 days from 4 leaf stage until harvest.
OLIVE TREES	3 - 4 L	15 - 20 L	Apply from early through to late fruiting.
PECANS AND MACADAMIA Foliar: Fertigation:	 3 - 5Lt 8 - 10Lt	 Horticulture Foliar 1 : 66 Tree Crops 1 : 100	Apply post-flowering every two weeks until fruit set
POTATOES	4 - 6 L	12 - 20 L	Apply every 7 -14 days from tuber inititation to harvest.
STRAWBERRIES	2 - 4 L	10 - 20 L	Apply post-planting at regular intervals.
TOMATOES	2 - 3 L	10 - 15 L	Apply at early to late vegetative growth.
VEGETABLES	4 - 6 L	10 - 15 L	Apply at regular intervals during growing season.

Foliar rate of application per min water/hectare:

Cereals: 6 - 9 litres/hectare when sufficient leaf area exists to spray.

Legume Grains: 4 litres/hectare during pod development.

Minimum Dilution for vegetable and fruit crops 50:1

See label for information on Storage and Handling.

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 FAST 12 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.