BiOSiNC

NICKEL

BIOSINC NICKEL IS A NICKEL CONTAINING GROWTH STIMULANT SPECIFICALLY DESIGNED TO MAINTAIN AND CORRECT NICKEL LEVELS IN NUT TREES, WHILE ENHANCING GROWTH AND DEVELOPMENT.

BENEFITS

- Nickel contributes to the metabolism of urea (a nitrogen containing compound)
- Nickel is used as a catalyst in enzymes used to help legumes fix nitrogen.
- Nickel is important for seed germination.
- Nickel is important for bacteria and fungi, which are both important for good plant growth

THE ROLE OF NICKEL

Nickel is also used as a catalyst in enzymes used to help legumes fix nitrogen. There is evidence that nickel helps with disease tolerance in plants, although it is still unclear how this happens..

DEFICIENCY - NICKEL

Minor nickel deficiency displays no visual symptoms, but can reduce growth and yield of plants. Significant nickel deficiency will display visual symptoms typically in the old leaves of the plants as nickel is a mobile element. Deficiency symptom in pecans are similar to woody ornamentals, but also include decreased expansion of the leaf blade and necrosis of the leaf tips. The leaves develop a condition called "mouse-ear" in which the leaflets are small with rounded tips.

PRODUCT CHARACTERISTICS

Specific Gravity: 1,35 Colour: Green / Blue

Analysis	Weight/Volume Percent (w/v)%	Weight/Volume Percent (w/v)%
Nickel (Ni)	120 g/l	88 g/kg
Sulphur (S)	66 g/L	49 g/kg
Nitrogen (N)	28 g/l	21 g/kg
Amino Acids	160 g/L	118 g/kg

FOLIAR APPLICATION:

CROP		RATE / ha	RATE PER 100L WATER	COMMENTS
PECAN NUTS	0,1 - 1 Lt	10 - 100 ml		To prevent or correct "Mousse ear" on pecans, 3 applications are recommended: • 1st application at parachute stage • 2nd application 2-3 weeks later • 3rd application in March/April Apply in 1000 – 2000 litres/ha
SOIL DRENCH	0,5 - 3000 ml			Apply 500 ml per 100 litre water and drench 2 litre of solution per tree. In severe cases use 3000 ml per 100 litre water.

See label for information on Storage and Handling.

NOTE

- All suggested application rates are for typical Australian conditions, and should be used as guidelines only. Individual conditions; climate, water quality, soil type and application practices may differ necessitating corrections to ensure optimum results.
- 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; temperatures 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

COMPATIBILITY

BiOSiNC Nickel is compatible with most agricultural remedies. It is however advisable to do a miscibility test prior to mixing with other remedies. If BiOSiNC Nickel is to be mixed with other agricultural remedies, the standard mixing procedure for that substance should be followed. BiOSiNC Nickel has an acidic pH.