

Nutri-Key Boron Shuttle™

Soil Balancing

Cropping

Pasture & Animal

Foliar & Fertigation

The relationship between boron and pollen viability is so intimate that all crops should receive a foliar application of boron prior to flowering.

Description

Boron is the most leachable of all trace elements and consequently deficits are common. Boron is required as a calcium synergist and is very important in the early reproductive period of the crop cycle. Nutri-Key Boron Shuttle™ offers complexed boron in a balanced formulation which covers the full spectrum of background nutrition.

Benefits

- Boron is an anion and as such cannot be chelated. However, it can be complexed to reduce leaching and improve uptake, and this is the case in Boron Shuttle™.
- The perfect boron foliar for a pre-bloom application in all crops.
- Delivers all of the standard Shuttle benefits, including bio-stimulation.
- Boron influences the cell division potential of calcium during periods of rapid growth or fruit formation.

Functions of Boron

- Involved in the synthesis of cell wall components.
- Increases calcium utilisation in the plant.
- Involved with pollen viability and good seed set.
- Important for good root development.
- Influences cell development and elongation of cells through control of polysaccharide formation.



Packaging

Available in the following volumes:

- 1 L
- 5 L
- 20 L
- 200 L
- 1000 L

Miscellaneous

- Use Nutri-Tech Plant Therapy™ to determine mineral requirements.



Application Rates

Foliar:

Minimum Dilution 1:100

Small Crops, Turf & Vines:

2 - 4 L per ha

Orchard Crops:

2 - 5 L per ha

Broadacre:

0.5- 1 L per ha

Soil Application:

3 - 5 L per ha

Typical Analysis w/v

Boron.....	4.8%
Iron.....	3100 mg/L
Manganese.....	1630 mg/L
Zinc.....	1840 mg/L
Copper.....	450 mg/L
Molybdenum.....	120 mg/L
Cobalt.....	.60 mg/L
Sulphur.....	4100 mg/L
Magnesium.....	.630 mg/L
Calcium.....	.60 mg/L
Potassium (as fulvate).....	0.40%
Potassium (as silicate).....	.004%
Total Potassium.....	0.44%
Total Nitrogen (as organic N)...	.027%
Sodium.....	2.62%
Silicon.....	.190 mg/L
Carbon as Shuttle Chelate.....	3.30%
pH.....	5.5 - 7.5
Conductivity.....	.23 - 33 mS/cm
Specific gravity.....	1.18
Solubility.....	100 %

Appearance: Thick, brown liquid

Storage & Handling

- Compatibility and/or performance cannot be guaranteed when combined with other products. Jar test for compatibility and spray test on small area before wide-spread use. When combining with other chemicals, add this product to the tank last.
- Store in cool dry area out of direct sunlight. This product has been tested to store safely down to 5°C. Crystallisation or sedimentation may occur below 5°C.
- Shake concentrate thoroughly before adding to partially filled tank.
- Shake or stir before use, especially when near empty to dissolve the residue on the bottom of the drum/bottle.
- Do not pre-mix or store in diluted form, and use promptly once opened.
- All foliar sprays perform best when applied early morning or late afternoon.
- **WARNING:** Avoid spraying close to harvest if fruit/vegetables are susceptible to staining.

Safety Directions - Poison

FIRST AID:

- Irritant, irritating to eyes and skin. When handling wear impervious gloves and eye protection.
- **Keep locked up and out of reach of children.**
- For advice contact a Poisons Information Centre (Ph: 131 126 in Australia), (Ph: 0800 764 766 in New Zealand), (Ph: +613 9573 3112 world wide) or a doctor.
- If swallowed induce vomiting if conscious.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of accident or feeling unwell, seek medical advice immediately (show the label where possible).
- If skin and hair contact occurs, remove contaminated clothing and flush skin and hair with copious amounts of water.

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