



Foliar Fertiliser



B

'plant repair therapy' – targeted, efficient and effective

Boron

Features and Benefits

Quality manufacture using superior materials to formulate reliable, stable and trusted products with the highest level of quality control.

Bypasses soil deficiency by applying the most efficient method of delivering the plant's immediate nutrition needs through the leaf.

Fixes boron deficiency as it supplements the boron requirements from the soil, instead delivering them through the leaf.

Easy application and compatibility with immediate plant uptake and proven compatibility with a wide range of crop protection chemicals.

Handles environmental conditions better because it gives the plant more energy to deal with environmental stresses associated with inadequate rainfall, changing weather patterns, variations in soil, pests and other external conditions.

Boron Blue is a single element foliar fertiliser that delivers high quality and highly concentrated boron to the plant through the leaf. Foliar application is the most efficient and effective way to deliver nutrients to the plant. **Boron Blue** fixes plant boron deficiency. Although it is the most widespread of the micro-nutrient deficiencies in plants it can be readily treated. Boron deficiency causes losses in the crop quality and a reduction in yield.

Boron Blue has been specifically designed for supplementation to the base tank mix of an RLF High-analysis Broad-Spectrum Foliar Fertiliser.

The Importance of Boron

Boron is essential for the growth and development of new cells in new growth areas. Seed development, cell wall formation, flowering, nodule formation and developing fruit all depend on adequate boron. Organic matter is the most important soil source of boron and extremes of temperature or dry weather conditions can often slow decomposition in topsoil which reduces the release of boron to crops. Dry weather also reduces Boron mobility, another cause of temporary boron deficiency that can disappear as soils receive rainfall. Coarse-textured soils are typically low in minerals that contain boron and are susceptible to boron leaching while shale and limestone contain high level of boron.

In dicotyledonous plants, boron and calcium are mainly in cell wall structure while in monocotyledonous plants boron is required in much less quantity and cell wall has less of boron and calcium and more of silicon.

Symptoms of Boron Deficiency

Boron deficiency induces sterility in sexual organs reducing fertilisation (union of male and female gametes) and lowering yield. Boron is immobile in most agronomic crops as well as in vegetable crops such as tomato, potato and lettuce and deficiency symptoms appear as abnormal growth on the youngest leaves and/or growing points, with apical growing points eventually becoming stunted and dead. Some crop-specific boron deficiency symptoms include crooked stem in celery, hollow heart in peanut, corky core in apple, rosetting (terminal bud dieback) in alfalfa and cotton and heart rot in sugar beet.

Boron mobility is good in some fruit trees such as almond, apple, pear, stone fruits, pomegranate, loquat and olive.

Plant Tissue Testing Recommended

Tissue testing is an essential part of managing the nutritional requirements of crops and pastures. Test results will indicate the need to tailor the base foliar tank mix with one or more supplementary nutrients to meet the requirement of the crop in question. **Boron Blue** is compatible with a wide range of products as well as many pesticides and herbicides commonly used as part of farm practice.

Boron has a narrow range of adequacy to toxicity, thus heavy application rates when adequate levels are present in leaves can cause toxicity.



METHODS OF APPLICATION



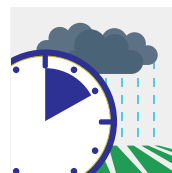
**Foliar Fertiliser to
Spray onto the
Crop Leaf**



Manual Application



Machine Application



Rain Safe in 2 hours

Application rate is a guide only, use product dilution rate from the table to work out litres of product needed to make the volume of spray that suits your crop.

Specific Rates

L/ha= your specific water rate in L over Dilution rate e.g. for cereals if water rate is 500 then L/ha=500 / 100=5L/ha

Crop Type	Product Dilution Rate	Application Rate (Litres/hectare)
Wheat (all cereals)	100X	4 - 6 Litres/hectare (L/ha)
Canola	30X	4 - 6 Litres/hectare (L/ha)
Pasture, Hay, Fodder crops	100X	4 - 6 Litres/hectare (L/ha)
Fruit trees and nuts	150X	4 - 6 Litres/hectare (L/ha)
Vegetables	150X	4 - 6 Litres/hectare (L/ha)
Tea, Coffee, Cacao	200X	4 - 6 Litres/hectare (L/ha)
Flowers	300X	4 - 6 Litres/hectare (L/ha)

Note :

2-3 weeks is required before foliar application can be repeated

Recommended Timings

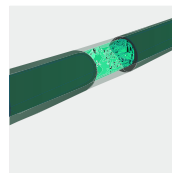
Crop Type	Number of Applications		Timing for Application
	Minimum	Preferred	
Wheat (all Cereals)	1	to 2 times	Good canopy formation into grain filling (avoid anthesis)
Corn	1	to 2 times	Good canopy formation into grain filling (avoid silking)
Canola	1	to 2 times	Good ground cover to early flowering
Dryland Pasture	1	to 2 times	Good ground cover after each grazing in winter or early spring
Hay	1	to 2 times	Good ground cover when shut for hay or silage
Fodder Crops (oats, millet, sorghum, turnip and other forage brassicas)	1	to 2 times	Good ground cover and after each grazing when re-growth is expected
Fruit trees and vegetables	1	to 2 times	Pre-flowering and when required
Flowers	1	to 2 times	Pre-flowering and when required
Tea, Cacao, Coffee	1	to 2 times	Pre-flowering and when required



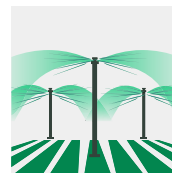
**Fertigation
via Irrigation or
Sprinkler Systems**



Manual Application



Irrigation Systems



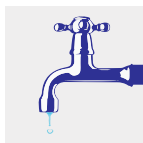
Watering Systems

Water Rate (L/ha)	10,000 minimum water rate
Boron Plus (L/ha)	10 to 20

HOW TO MIX



**Shake
Vigorously**



**Mix
with Water**



**Mix with
other Chemicals**



PRODUCT COMPATIBILITY + JAR TESTING

DO NOT mix with alkaline copper fungicides or inoculants. If unsure about compatibility, we recommend a simple jar test of products. Mix together and check if reaction occurs.

PRECAUTIONS

Non-toxic product. Avoid unneeded contact. Keep out of the reach of children. If contact is made with eyes, immediately rinse with plenty of water. If swallowed, seek medical attention.

ANALYSIS AND PRODUCT ASSURANCE

RLF

Australian-owned Formulator, Manufacturer and Supplier of High-analysis Broad-spectrum Liquid Fertiliser technologies. For over 25 years RLF's products have been used by millions of farmers and growers world-wide. ISO 9001 Quality Assured Company since 1998.



MICRO NUTRIENT

Boron (B)



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