Calcium Plus17

Foliar Fertiliser

SYSTEM CERTIFICATION ISO 9001:2008 SGS

Ca

'plant repair therapy' – targeted, efficient and effective.

Calcium

Calcium Plus 17 is a foliar fertiliser delivering high quality calcium to the plant through the leaf when a calcium plant disorder is recognised and established. Foliar application is the most efficient and effective way to deliver calcium to the plant as it bypasses the soil by delivering the remedy directly to the crop through the leaf.

Calcium Plus 17 fixes plant calcium (Ca) deficiency which is caused by insufficient calcium in the soil, or created by low transpiration at high atmospheric humidity of the whole plant.

Features and Benefits

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

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

Fixes plant calcium deficiency as it bypasses the soil instead delivering calcium directly to the leaves.

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 strengthens the plant cell wall structure, preventing cell damage and increased resistance to pests and mechanical damage pests and other external conditions.

The Importance of Calcium

Calcium contributes to soil fertility by maintaining favourable soil pH and strcuture. This in turn, is essential for microbial activity as crop residues are mineralised and nutrients are made available to the plant. Soil structure and water holding capacity are also improved with adequate calcium. Soil acidity can restrict crop growth due to increased presence of harmful concentrations of other elements such as iron, aluminium and manganese that tie up phosphorus in the soil.

Symptoms of Calcium Deficiency

As an immobile nutrient in plants, Ca deficiency appears as browning and die back of growing tips of roots and shoot. Leaves curl and margins turn brown with newly emerging leaves sticking together at the margins, leaving expanded leaves shredded on their edges. Fruit yield and quality will be reduced with high incidence of blossom-end rot and internal fruit decay.

IPNI INTERNATIONAL PLANT NUTRITION INSTITUTE

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METHODS OF APPLICATION

Foliar Fertiliser to Spray onto the Crop Leaf

Manual Application

Machine Application

Rain Safe in 2 hours

APPLICATION GUIDE FOR HORTICULTURAL CROPS

- For prevention of blossom end rot and fruit decay and splitting use foliar sprays with a 1:50 to 1:100 dilution range and repeat after 2 weeks if desired.
- Use 1:100 dilution for apples and 1:150 dilution for cherries.

Application Rates for Field Crops

litres/h should be calculated based on dilution to obtain suitable spray volume (e.g. 4L in 80 to 200L)

Crop Type	Product Dilution Rate	Application Rate (Litres/hectare)
Wheat (all Cereals)	50 X	2-4 Litres/hectare
Corn	50 X	2-4 Litres/hectare
Canola	50 X	2-4 Litres/hectare
Dryland Pasture	50 X	2-4 Litres/hectare
Hay	50 X	2-4 Litres/hectare
Fodder Crops (oats, millet, sorghum, turnip and other forage brassicas)	50 X	2-4 Litres/hectare

Note :

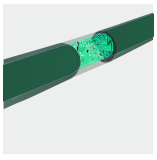
2-3 weeks is required before foliar application can be repeated

Recommended Timings

Crop Type	Number of Applications Minimum		Maximum	Timing for Application
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

Fertigation via Irrigation or Sprinkler Systems

Manual Application



Irrigation Systems

Watering Systems

Crop Type	Litres / ha per Irrigation	Number of Applications per season / year
Young Vines, Olives and Citrus trees	10 Litres	Use only one application per crop cycle in fertigation followed by foliar application if calcium deficiency prevails.
Mature Vines	20 Litres	
Mature Olives & Citrus trees	20 Litres	
Other mature Fruit Trees	20 Litres	
Vegetable Crops	20 Litres	
Irrigated Pastures	20 Litres	

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 you are unsure, 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.

MACRO NUTRIENTS

Calcium (Ca)

MICRO NUTRIENTS

As Calcium Chloride ($CaCl_2$)

BAL

%w/w

%w/w

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