



InBio CALBUD

A liquid fertiliser high in Calcium with synergistically balanced macro and micro nutrients for enhanced early stage plant development.

PRODUCT SPECS

Active Agents	Calcium, Zinc, Nitrogen, Magnesium, Boron
Agent Type	Liquid Fertiliser
Specific Gravity	~1.50 g/cm ³ at 20°C
pH	10 - 11
Colour	Cream suspension

PRODUCT USES

- › Helps early stage plant development.
- › Source of key nutrients: Calcium, Zinc, Nitrogen, Magnesium and Boron

DESCRIPTION

InBio CALBUD is a highly concentrated fully water dispersible liquid fertiliser containing optimally synergistic ratios of Calcium, Zinc, Nitrogen and Magnesium with trace elements to ensure strong early plant development.

WHAT DOES "SYNERGISTIC FORMULATION" MEAN?

Plant nutrition involves 3 macro-nutrients Nitrogen, Potassium and Phosphorus (widely known as "NPK"), and 8 other essential nutritional elements: Calcium, Iron, Magnesium, Boron, Zinc, Molybdenum, Copper and Manganese. Each of these nutrients plays a specific role in the health of plants.

However, when together, there is a powerful interplay between these elements where they synergise, increasing the availability of the other, or antagonise each other, reducing availability.

Since plant health and development are limited by the scarcest nutrients available in the soil - according to Liebig's "Law of the Minimum" - growers can only satisfy a plant's need for one nutrient by providing a balanced amount of all the other elements it antagonises, or by providing another synergistic nutrients which increase its availability.

InBio CALBUD SYNERGISTIC FORMULATION

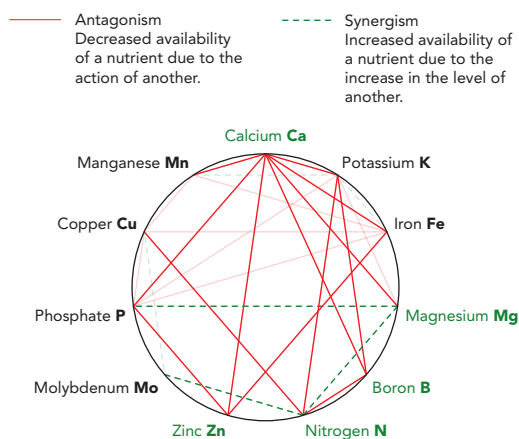


Fig. 1. Mulder's Chart for Ca, Zn, N, Mg, B

ANALYSIS

Element	(w/v)%	Element	(w/v)%
Calcium (Ca)	20	Boron (B)	0.14
Zinc (Zn)	4.5	Cobalt (Co)	0.004
Nitrogen (N)	4.5	Molybdenum (Mo)	0.03
Magnesium (Mg)	4.5		

BENEFITS OF USING CALBUD

- › Synergistically formulated to ensure essential crop nutrition, especially from the pre-bud stage right through to pre-harvest.
- › Safe to use formulation that can be used during flowering
- › **Calcium** is required for synthesis of cells in the growing pollen tube and determines its direction of growth.
- › Added **Magnesium** to improve chlorophyll production, especially in new leaf
- › Provides essential **Zinc** that improves pollination as well as levels of growth hormones, **Zinc** also helps to relieve environmental stress.
- › **Boron** assists pollen tube development as well as the whole pollination process and enhances calcium absorption.
- › Can be applied with a wide range of agricultural chemicals.

STORAGE

Storage temp.	5-30°C
Conditions	Dark and dry
Max storage time	36 months

Do not freeze. Store upright in original container. Refer to MSDS.

PACKAGING

Pack Size	20L
	1L

SCAN TO DOWNLOAD

IPM ADVICE

Before introducing **InBio CALBUD** to your crop it is important that the plant is clean of negative chemical residues. Please consult the Bioline AgroSciences Africa SIDE EFFECT GUIDE on Dudutech.com for compatible chemicals.



If there are any questions about the product, please contact a Bioline AgroSciences Africa specialist in your area. Bioline AgroSciences Africa Integrated Pest Management Ltd is a distributor of **InBio CALBUD** and other **InBio** plant nutrition products.



InBio CALBUD

APPLICATION CHART

Crop	Rate/ha	Min Dilution	Comments
Avocados, Mangoes	4-5L	1 : 50	Apply at bud break and spring flush with follow-up applications through fruit fill as required.
Bananas	2-5L	1 : 100	Apply 3 weeks prior to belling. Should be applied every second week to accommodate the high calcium demand of bananas. Apply in a tank mix with compatible crop sprays.
Citrus	3-7L	1 : 50	Apply 3 weeks prior to blossom with further applications 2 – 3 weekly from petal fall in oranges and monthly in other citrus fruits up to 3 weeks prior to harvest.
Kiwi Fruit	4-5L	1 : 50	Apply 2 weeks prior to bud formation with follow up applications as required during fruit fill.
Ornamentals	1-3L	1 : 100	Apply at 4 - 5 leaf stage.
Olives	4L	1 : 50	Apply first application 3 weeks prior to bud formation and then from fruit set onwards at monthly intervals.
Paw Paws	4-5L	1 : 50	Apply 2 weeks pre-bud with follow-up sprays from fruit fill onwards as required.
Pineapples	3-5L	1 : 50	Apply 3 weeks prior to bud formation with further applications as required.
Pome And Stone Fruit	4-7L	1 : 150	Apply at early spur burst, complete petal fall and post blossom as required.
Strawberries	2-4L	1 : 100	Apply 2 weeks prior to bud formation with further applications fertigated as new flushes appear.
Tomatoes	3L	1 : 100	Apply every 14 – 21 days from 6 leaf stage onwards to avoid blossom end rot.
Tropical Fruit	3-5L	1 : 200	Spray before bud formation. Further applications with compatible spray programmes as required.
Vegetables (With Fruit) Capsicum Cucumber	3-6L	1 : 100	First application 2 weeks prior to budding with follow-up applications as required.
Vines Table Grapes Wine Grapes	2-4L	1 : 100	Apply 1st application one week prior to bud formation with further applications at regular intervals up to veraison. Do not exceed 4 times the label rate. Use double rate pre-harvest, before leaf fall.

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 28 C, 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.

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:

InBio CALBUD 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.

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