



# InBio GYPSUM

A liquid fertiliser high in Calcium and Sulphur for improving soil structure by reducing sodium build up and increasing calcium levels.

## PRODUCT SPECS

Active Agents	Calcium Sulphate
Agent Type	Liquid Fertiliser
Specific Gravity	~1.50 g/cm <sup>3</sup> at 20°C
pH	7 - 8
Colour	Cream suspension

## PRODUCT USES

- › Helps reduce sodium build up.
- › Provides a source of Calcium and Sulphur for plant nutrition.

## DESCRIPTION

**InBio GYPSUM** is a liquid suspension of technical grade Calcium and Sulphur used to improve soil structure by reducing sodium build-up and increasing Calcium levels in the soil. With an approximate particle size of 2 microns it can be used in fertigation, through a drip line and also as a foliar.

## WHY IS InBio GYPSUM USEFUL TO FARMERS?

Due to the very small particle size **InBio GYPSUM** has a fast reactivity rate and works as a fast acting soil amendment, conditioner, and fertiliser.

**Fast Reactivity:** Due to its small particle size, **INBIO GYPSUM** acts quickly as a soil amendment, conditioner, and fertiliser.

**Lowers EC:** It helps lower soil EC, which is beneficial for crop growth, by maintaining proper solute concentration.

**Nutrient Uptake:** Gypsum provides essential calcium, improving nutrient absorption in plants and creating favorable calcium-magnesium ratios.

**Improves Texture and Drainage:** It enhances the texture and drainage of heavy soils and is a fast-acting, pH-neutral calcium and sulfur fertiliser.

**Improves Structure:** Gypsum flocculates clays, improving soil structure and allowing for deeper root penetration and better water infiltration.

**Water Retention:** In sodic soils, gypsum reduces sodium levels, increasing water retention and stabilizing soil aggregates.

## ANALYSIS

Element	(w/v)%
Calcium (Ca)	16
Sulphur (S)	13

## BENEFITS OF USING GYPSUM

- › **InBio GYPSUM** is a liquid formulation so is much easier to handle and apply via boom spray, drip systems, overhead irrigation and aerial applications compared to the spreading of bulk Gypsum.
- › Natural Gypsum has unique chemistry properties. Gypsum also known as Calcium Sulphate will react very quickly with Sodium to form Sodium Sulphate, and leach from the soil profile rapidly. **InBio GYPSUM** is particularly fast acting due to its approximate 2 micron particle size.
- › Great source of Calcium and Sulphur for plant nutrition.
- › **InBio GYPSUM** can be used in fertigation down the drip line and also as a foliar.
- › **InBio GYPSUM** is a natural Gypsum and is ideal to reduce Sodium in high pH soils.

## 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

## COMPATIBILITY

**InBio GYPSUM** 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 tests please contact your retailer.



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 GYPSUM** and other **InBio** plant nutrition products.



# InBio GYPSUM

## 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.

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