



AGROMED RESOURCES

(SA0540807-P)



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AGROMED RESOURCES is fully committed to manufacture and process chemical and mineral products to meet or exceed customer's satisfaction. We are committed to continual improvements of our company Quality Management System and meeting all relevant statutory and regulatory requirements at all times. This is made possible because we will set quality objective for achieving total customer satisfaction and every staff, regardless of their levels shall commit to ensure that the quality objectives are monitored and evaluated or its continual improvements. The Quality Statement shall be monitored and reviewed for its ongoing suitability annually.

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Organic
Products

Supports in
Increasing
Yields

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Trusted
Partner

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BORON PLAYS A ROLE IN SUSTAINABLE AGRICULTURE

Our total population is developing quickly—yet the measure of arable land isn't. An evolving atmosphere that soil pollution, consumption and demanding yield requests. All undermine our capacity to keep up an adequate worldwide food supply chain.

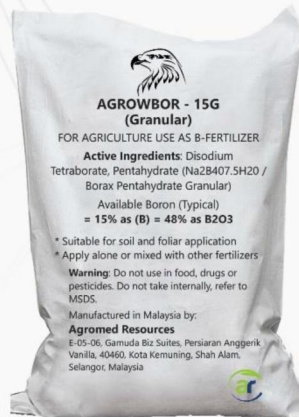
Our Agowbor 15 (Granular Boron) needs to assist planters whereby it meets society's food needs today without impeding people to provide for the future's supply. Through our reasonable agribusiness arrangements, we care about cultivating practices and techniques that are:

- Eco-conscious
- Benefit communities globally
- Valuable Return of Investment

Agrowbor-15 (Granular Boron) / Borax Pentahydrate

Agrowbor-15% or Boron is a chemical element with atomic number 5 and the chemical symbol B.

Note : Product Packaging can be made in 25 kg, 50 kg PP Bag & 1 Metric Ton Jumbo Bags



Agrowbor plays a major role in plant nutrition. Some functions of boron are correlated with nitrogen (N), phosphorus (P), potassium (K) and calcium (Ca) in plants. Adequate B nutrition is critical for quality of crops and high yields.

Particle Size Specification

+1.180 mm	: 4.00% max.
- 0.075 mm	: 5.00% max.

Our Agrowbor-15 (Granular Boron) is a slow release fertilizer (SRF) compared to the crystals and below is the descriptions;

- It can be applied in soil, alone application.
- Ideal for increasing soil boron levels safely
- Reduces soil boron (Granular) leaching compared to highly soluble fertilizers and especially for hill areas.
- Won't burn plants, for used at recommended dosage.

Application and Advantages

Agrowbor is a granulated form of fine crystals of boron, ideal for mixing into fertilizer or foliar application:

- Agrowbor with a product size of 2mm-4mm is suitable for blending and direct application below or surrounding trees to plantation crops.
- Agrowbor is slow release micronutrient fertilizer, whereby is in line and granulated form is long lasting.
- Agrowbor is soluble proof, logistically less dust and during application.
- Agrowbor is not contaminated, added particles, coat, or other elements

Product Details

Product Name	: Agrowbor-15% (Granular Boron)
Chemical Name	: Borax Pentahydrate, Borax 5 Mol, Disodium Tetraborate Pentahydrate
Chemical Formula	: $\text{Na}_2\text{B}_4\text{O}_7 \cdot 5\text{H}_2\text{O}$
Chemical Family	: Inorganic Borates
Appearance	: White, Odorless, Granulated Solid
CAS No	: 12179-04-3
EC No	: 215-540-4

Chemical Specification

Test Parameters	Unit	AGM Standards
Boron Content (as B)	%	15.0% Min
Boron Content (as B_2O_3)	%	48.0% Typical
Na_2O Content	%	21.25% Typical
Insolubility in Water	%	0.013% Max
Bulk Density (Loose)	gr/cm ³	0.85-0.95
Sieve Analysis	1.5-5.0mm	95.0% Min
Solubility in Water		
@ 20°C	%	3.8%
@ 100°C	%	51.2%
pH @ 20°C for 3.0% solution		9.3

Boron Deficiency

Boron deficiency has effected globally in soils. Boron is critical for most of the crop plants, especially fruit bunches, fruit quality, plant strength and fertility.

However Boron crystal or powder form, it is easily leached from the root zone and is one of the more common deficiencies seen under irrigation or during heavy rainfall, that's why the Agrowbor (Granular) becomes important or plays a vital role.

The Importance of Boron

Boron reproductive cycle plays an important role in the plants, flowering and pollen development. However, recently the plant cell wall integrity and root health has shown improvement due the application of boron. Boron has facilitated the movement of Calcium, whereby if you don't apply boron, the movement of calcium is limited in the crops.

Boron is important and main structure cells in crops and will affect the growth of the plant health in terms of:

- Root development
- Fruit quality and size
- Firm fruit and lasting storage
- Structural reliability
- Crops yield
- Uptake of Nutrients
- Fertile
- Improvement fruit skin structure
- Resistant from diseases



Crops Susceptible to Lack of Agrowbor-15

Highly Susceptible



Moderately Susceptible



NOTICE:

Recommendations for use of these dosages and products are based on data tested in field trials. Boron fertilization rates depend on many factors like; plant species, climate, soil type, liming, etc. Therefore, it is strictly recommended to seek advice from an agronomist before implementation.

AR has no liability resulting from misuse of these products along with the dosages and provides no guarantee as to the results obtained. User assumes all responsibility, including damage and misuse of products and dosages whether used alone or in combination with other materials.

AR SHALL HAS NO LIABILITY FOR CONSEQUENTIAL DAMAGES.