

USEFUL INFORMATION ON HB-101



Is it a fertilizer?

HB-101 is neither an agricultural chemical nor a fertilizer. It is an all-natural solution that supports healthy plants. Hence, HB-101 is referred to as a plant vitalizer, or plant growth enhancer.

How does it affect leaves?

Plants need the sunlight, air (carbon dioxide and oxygen), water and soil (minerals and micro-organisms) to grow. If the delicate balance of these elements is not maintained, growth is slowed or stopped. Sunlight and carbon dioxide are absorbed into the plant's system through its leaves, where photosynthesis produces glucose and other nutrients necessary for survival. When HB-101 solution is sprayed onto foliage and applied to the soil, the plant absorbs necessary nutrients from the soil. These nutrients are combined with ionized calcium and sodium from HB-101 and absorbed into the leaves' cells, thereby strengthening the cells and increasing photosynthetic efficiency. This results in greener leaves and stronger, healthier plants.

How does it help in stem and root development?

The main function of the roots and stem of a plant is the absorption and transportation of water and other nutrients. Healthy leaves depend on healthy roots. Water and nutrients, especially calcium, are necessary for the development of leaves and roots, but many minerals cannot be absorbed into the plant's system in their solid form. These minerals have to be converted to an ionic state in order to be easily absorbed through the roots, and this is done by micro-organisms living in the soil. By applying HB-101, which itself contains ionized minerals, the activity of these micro-organisms is enhanced, insuring that the necessary balance of nutrients is maintained. The result is stronger root systems, capable of storing sufficient quantities of the plant's energy sources, such as glucose. In addition to these essential ionized minerals, HB-101 contains significant quantities of saponin, a metabolite which replenishes micro-organisms with oxygen. The stem is the pathway by which nutrients are transported to and from the leaves and roots, and it is also the backbone of the plant. Solid cell membranes are required for this function. Healthy cells and sufficient nourishment result in the smooth distribution of carbohydrates, which are necessary for strengthening cell membranes. With the introduction of HB-101, nutrient flow from the leaves and roots is maximized, contributing to the healthy development of the stem.

Does it help in conditioning of the soil?

Soil should be soft and contain a good balance of water and air, and should allow good drainage after rain or irrigation. It should also maintain proper moisture even during sunny weather and should be neutral to mildly acidic. In such conditions, the balance of micro-organisms in the soil will be favorable. However, factors such as acidic rain, agricultural chemicals, and repeated cultivation can harm the soil and stunt the growth of the essential micro-organisms. With HB-101, the propagation and proper balance of these micro-organisms can be maintained.

Is it harmful to my pet and other animals?

As stated, HB-101 is a product that is safe on living creatures. Therefore, it is not an insecticide. Plants have natural defense mechanisms, similar to the immune system of humans. However, if a plant is not in optimum condition, its immune system will not be as effective, and hence vulnerable to attack by harmful insects. By improving the plant's immune system, HB-101 will help remedy this.

In Conclusion...

HB-101, an extract manufactured entirely from renewable resources, and without the use of chemicals, serves as a nutrient and vitalizer for the plant itself. It works to improve the growth processes and immune functions of the plant by helping it to attain its original, optimum potentials.

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HB-101 is a liquid that is specially processed by blending the extracts of cedars, pines, cypress trees and plantains. It is a purely natural extract derived from the portion of a plant that is most important in the development process.

HB-101 is a growth nutrient for plants, flowers and crop production and it is not a chemical fertilizer. HB-101 is a 100% organic product, safe for plants and animals, and designed to benefit the earth's environment while reducing the demand for costly fertilizers. HB-101 is formulated and bottled in a ready-to-dilute solution for easy and immediate use.

The Features of HB-101

- OMRI Listed
- Non-toxic
- Easy-to-use
- Effective on all plants
- Concentrated for long shelf life

The Materials of HB-101

Cedars, pines, cypress trees, and plantains are the raw materials used in manufacturing this product. Extracts from these plants and trees are refined and blended to produce a highly concentrated formula beneficial to virtually all phases of plant propagation and cultivation.

Cedars, pines and cypresses are long-lived trees with powerful deodorizing power. The saps and secondary metabolites of these trees are responsible for maintaining the health and longevity of the trees. Plantains are known to have medicinal properties, and have long been used in various human medications.

The Components of HB-101

Raw Materials (Natural)

- Cedars
- Cypresses
- Pines
- Plantains

Mineral Analysis

- Sodium- 155.3mg/gallon
- Calcium- 125mg/gallon
- Iron- 6.8mg/gallon
- Magnesium- 12.5mg/gallon
- Silicon- 28mg/gallon
- Cadmium- 0
- Arsenic- 0

PH Balance

- HB-101 (concentrate) pH 4.0
- HB-101 (1000X dilution) pH~6.5

Dosage

1mL / Litre (Quart)
We prefer a foliar application with EZ Wet or F-D-S (2-3x per week).
Alternatively you can apply through the root zone.