



# Vital Humic™ **HYDRO BIO**



**PRODUCT CATEGORY**  
PLANT CULTIVATION  
INDOOR & OUTDOOR

**FORMAT**  
POWDER

## BENEFICIAL MICROORGANISMS

*Lactobacillus plantarum*  
*Bacillus subtilis*  
*Bacillus licheniformis*  
*Bacillus pumilus*  
*Bacillus amyloliquefaciens*  
*Bacillus megaterium*  
*Trichoderma viride*

## HUMIC ACID

## FULVIC ACID

## SEA KELP

## MOLASSES

## CONTACT

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## SOCIAL

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## THE MOST COMPLETE CULTIVATION SUPPLEMENT ON THE MARKET!

Vital Humic™ HYDRO BIO combines the power of beneficial microorganisms, humic substances, rich organics, and fermentation - in one comprehensive supplement! It provides everything that is essential for plant vigor and immunity. Think of it as the ultimate compost tea, except that it is shelf stable and scalable! Most companies would sell these compounds in 3-4 different SKUs, however, our fermented and polarized formula is delivered in one dynamic and bioactive product.

### PRODUCT BENEFITS

- ☼ IMPROVE NUTRIENT AVAILABILITY
- ☼ ENHANCE NUTRIENT TRANSLOCATION
- ☼ BOOST IMMUNE RESPONSE
- ☼ PROMOTE BRIX PRODUCTION
- ☼ IMPROVE RESILIENCY
- ☼ RESTRICT HEAVY METALS
- ☼ BUILD A FERTILE MICROBIOME
- ☼ DECREASE FERTILIZER USE/COSTS

### SIZES AVAILABLE

- 100g • 15kg
- 250g • 30kg
- 850g • 60kg

### DIVERSE APPLICATIONS

- Direct to soil • Irrigation lines
- Hydroponics • Super soil
- Aquaponics • Aeroponics

### VISUALS

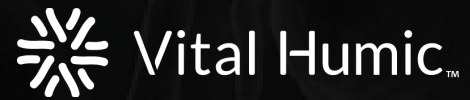


Manufactured by ALC Bio Innovations Inc.

Made in Canada



# PROBIOTIC PACKAGE



## BENEFICIAL BACTERIA

### LACTOBACILLUS PLANTARUM

- Degrade ammonia nitrogen, nitrite, and other harmful substances.
- Decompose organic matter.
- Purify water quality.

### BACILLUS LICHENIFORMIS

- Improve soil aggregate structure, adjust soil pH and improve soil water storage.
- Improve crop resistance to diseases, inhibit the reproduction and invasion of soil pathogens, reduce diseases, prevent pest outbreaks, inhibit the growth of harmful bacteria, and reduce various fungal diseases.
- Promote crop growth and maturity, relatively reducing costs.
- Promote the decomposition of soil organic matter into humus and greatly improve soil fertility efficiency.
- Seed dressing can be used to improve seedling preservation rate, germination rate, prevent seed genetic diseases, improve survival and promote root growth.

### BACILLUS AMYLOLIQUEFACIENS

- Dissolve calcium, phosphorus iron, phosphorus aluminum and phosphorus that is not easily absorbed in the soil - Promote the dissolution and utilization of ineffective phosphorus in the soil.
- Produce a large amount of proteases, amino acids, and cytokinins; which can enhance the cell health of crops and accelerate metabolism.
- Expand fruiting bodies to increase production, greatly increasing crop yields and agricultural product grades.
- Colonize and grow dominantly in the root zone, secreting a large amount of high activity chitinase and quickly eliminating pathogenic bacteria.

### BACILLUS SUBTILIS

- Improve crop resistance to diseases, cold and drought.
- Increase soil nutrients, improve soil structure and increase fertilizer utilization.

### BACILLUS PUMILUS

- Effectively prevent wheat root lame disease and strawberry gray mold disease, thereby reducing the incidence of crops.

### BACILLUS MEGATERIUM

- Has a good effect of degrading soil organic phosphorus.

### TRICHODERMA VIRIDE

- Improve crop resistance, promote plant growth and improve the quality of agricultural products.

## FUNGI