

# BIOLOGICALS 101 FOR VINEYARDS & FRUIT FARMS



NURTURE  
GROWTH

INNOVATIVE BIO-ORGANIC FERTILIZER



-  **Organic**
-  **Microbial**
-  **Effective**
-  **Innovative**



# UNDERSTANDING BIOLOGICALS

In recent years, biological products are becoming more prevalent and many growers are adopting them into their input management programs. It is our goal to help demystify the world of biological products and help everyone understand how biological products can help improve your growing operations.

Biofertilizers, biostimulants, bioinoculants are different types of biological inputs that are often used interchangeably. Although there are some similar benefits, all three products are distinct and have different functions.

## BIOFERTILIZERS

Biofertilizers are substances that contain microorganisms, which when added to the soil increase its fertility and promotes plant growth.

- adds a population of microbes, food for the microorganisms, and nutrients for the plant.

## BIOSTIMULANTS

Biostimulants are substances or microorganisms, which helps with nutrient uptake, nutrient use efficiency, tolerance to abiotic stress and/or crop quality, independently of its nutrient content.

- provides food for microorganisms in the soil, but not nutrients for the plant or a population of microbes.

## BIOINOCULANTS

Bioinoculants are dormant strains of positive soil microorganisms that come alive when introduced into the soil system.

- adds a population of microbes, but not nutrients for the plant or food for the microbes.

## Want to know more?

Book an appointment with our representative today

☎ 1-866-642-4668

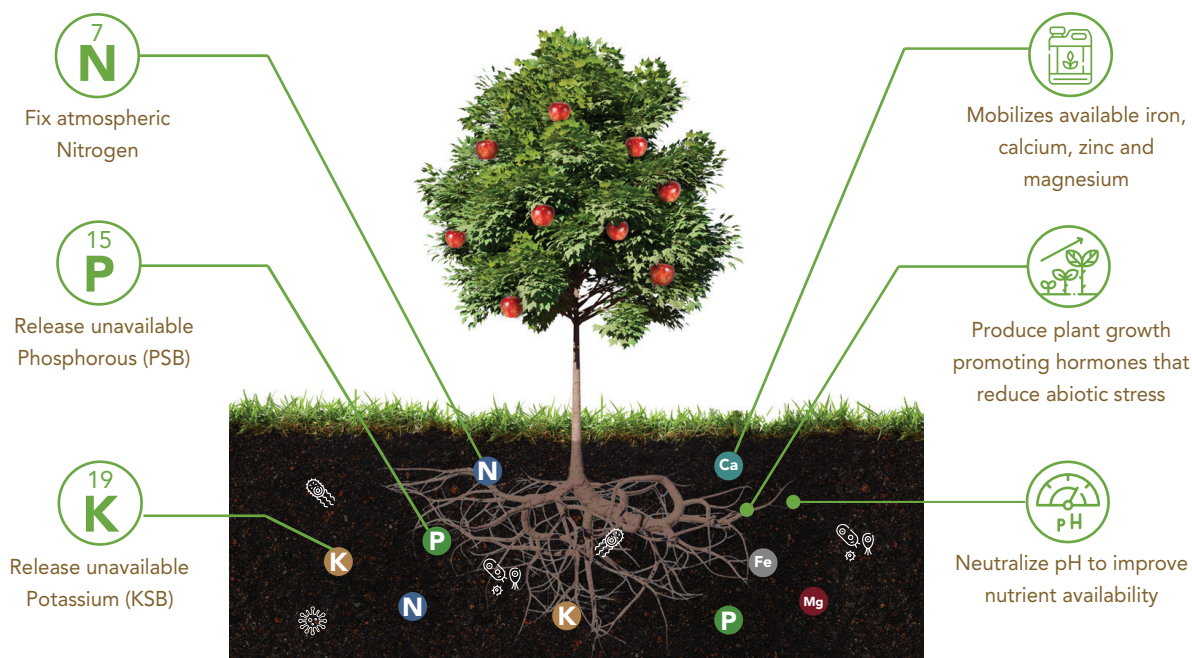
✉ [info@nurturegrowthbio.com](mailto:info@nurturegrowthbio.com)



# UNDERSTANDING OUR MICROBES

Although our product is classified as a biofertilizer, our microbes also have bio-stimulant and bioinoculant functions and benefits. When applied as a foliar spray, our microbes travel through the cells of the plants and naturally produces N, P, K, other essential micronutrients and extracellular enzymes, which helps to improve crop growth and plant health. It also stimulates the native microbial population in the soil, improves drought and stress tolerance, stimulates root development in new vines and root hair growth in older vines, and neutralizes pH to improve nutrient availability. Our scientifically curated blend of beneficial microorganisms excel at increasing brix levels in orchard and vineyard grown fruit, while also improving fruit size, shape uniformity, and colour.

## Our microbes perform these functions to improve crop growth and plant health:



## TOP 3 BENEFITS



**Reduces production  
cost per acre**



**Increases crop yield  
by 10-30%**



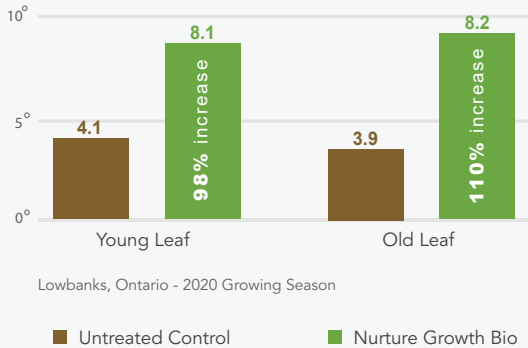
**Significantly  
improves brix level**

\*Please contact us or visit our website to learn about the complete list of benefits

## FIELD TRIAL RESULTS

### Blueberry Knoll Farms

Brix Level Comparison - Young and Old Blueberry Leaves



### Apple Top Farm

Untreated Control = **154** bushels  
Nurture Growth Bio = **200** bushels

Clarksburg, Ontario - 2019 Growing Season

## JOIN OUR GROWING LIST OF CUSTOMERS



Paradise Fields



## TECHNICAL INFO

**Available Sizes:** 1 L, 4 L, 200 L barrel & 1000 L tote

**Application Rate:** 4 L per acre at 1-2 % dilution

**Application Methods:** Foliar spray or soil drench

### Equipment Compatibility:

Backpack/boom sprayer & drip irrigation

### Instructions:

- Certified for organic use
- For organic and conventional growing
- Must be diluted with water and used within 48 hrs
- 3 yrs + shelf life in ambient temperature
- No re-entry period
- Safe to apply up to harvest day
- Safe to handle without PPE
- Compatible with most fertilizers, nutrients & supplements
- Compatible with many pesticides

**Nurture Growth Bio-Fertilizer Inc.**  
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