

## BENEFITS TO SOILS

Soil structure, so critical for air and water movement through the soil to facilitate root growth and nutrient uptake, is improved by Vitazyme in at least four ways:

1. INCREASED ROOT GROWTH  
(MORE CHANNELS)

2. MORE POLYSACCHARIDES  
TO GLUE PARTICLES TOGETHER

3. IMPROVED MYCORRHIZAE  
ACTIVITY  
(MORE SAC-LIKE STRUCTURES)

4. MORE EARTHWORMS  
AND THEIR CHANNELS

**Expect better  
tilth and permeability  
in your soil with Vitazyme use.**



Vitazyme on the seeds at planting produces more vigorous seedlings. A quicker start means bigger yields at season's end.

## HOW VITAZYME CAN BENEFIT YOU!

- Inexpensive, very cost-effective
- Easy to use
- Safe and nontoxic
- Can be seed-applied
- Can be mixed with liquid fertilizers and pesticides

*Wheat treated with Vitazyme shows taller and stronger stems with more heads. Note the better root systems on treated plants on the right.*



*Young alfalfa plants are more vigorous and are better nodulated with Vitazyme.*



## Vital Earth Resources

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# VITAZYME®



THE NATURAL  
SOIL FERTILITY BOOSTER  
FOR HEALTHIER,  
MORE PRODUCTIVE  
CROPS AND SOILS



## WHAT IS VITAZYME?

Vitazyme is a liquid concentrate microbially synthesized from plant materials, and then stabilized for long life. Powerful but natural biostimulants contained in the material greatly benefit plant growth and soil conditions to boost yields and profits for the farmer.



Corn treated with Vitazyme (right) shows exceptional root development compared to the untreated control.

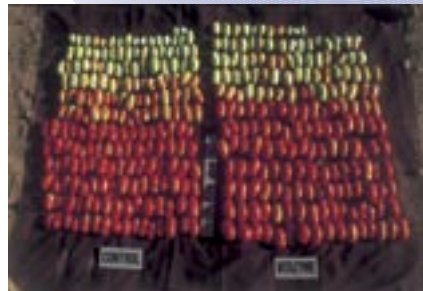
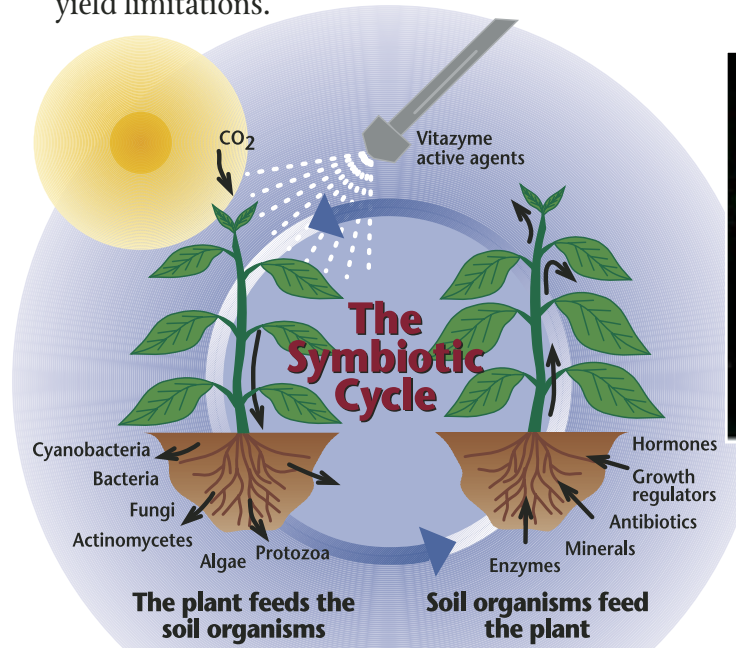
## THE PROGRAM

Vitazyme can be used in both conventional and organic production systems. Application can be made by several means: treat the seeds or transplants, spray on the soil and/or leaves, or run it through an irrigation system. The typical rate is 13 oz/acre. A little goes a long ways.

**Use Vitazyme along with good management practices to make your present system work even better.**

## HOW IT WORKS

Vitazyme intensifies the activity of the plant-soil system. Photosynthesis is increased, so more carbon from the air is fixed into plant tissue. Energy-rich compounds produced in the leaves by this vigorous metabolism move into the root system and out into the soil, where billions of bacteria, algae, fungi, protozoa, and other organisms feed on this energy. The organisms, in turn, release minerals and growth stimulants for plant uptake...a beautiful symbiosis. Plant stress is reduced, removing growth and yield limitations.

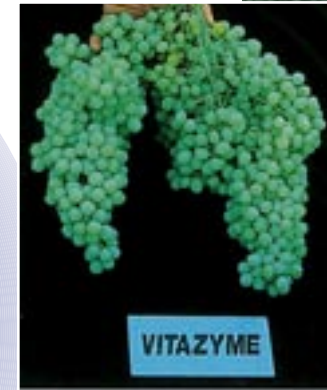


The Vitazyme treated tomatoes, collected only a few rows from the controls, are larger and have more solids.

## WHAT TO EXPECT

Research studies have shown that yields and profits of all types of agricultural and horticultural crops are increased with Vitazyme use. Increased photosynthesis, plant metabolism, and root and leaf growth result in greater yields and quality.

Right to the row it is easy to see how Vitazyme has improved potato growth.



Note how the treated grapes are filled better to the bunch tips.

One major benefit for the farmer is better utilization of fertilizer nutrients, as shown in this replicated Iowa study below.

