

## BENEFITS TO SOILS

Soil structure is critical for air and water movement through the soil. Vitazyme facilitates root growth and nutrient uptake 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.**



This university experimental plot illustrates the prolific growth and yield potential that Vitazyme gives to a cotton crop.

## 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

*Right: More nodes on the stems means more squares and flowers can develop with Vitazyme.*



*Left: More roots and tops lead to greater yields.*

*Right: This west Texas farm trial showed more aggressive growth and leaf area of cotton with Vitazyme.*



P.O. BOX 71  
Waterville, WA 98858  
509-630-7400  
vitazyme@vitalgrowdistribution.com  
www.vitalgrowdistribution.com

# VITAZYME<sup>®</sup>

an All Natural Concentrate

## for COTTON

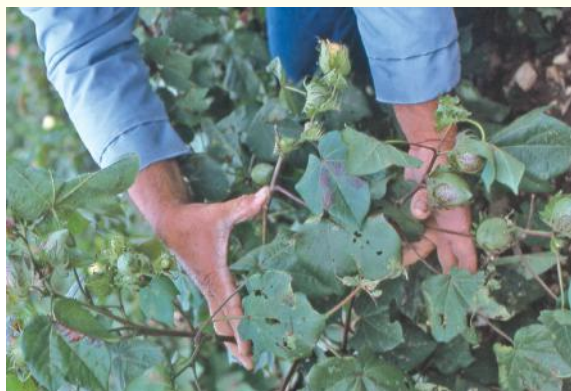


## THE NATURAL SOIL FERTILITY BOOSTER FOR HEALTHIER, MORE PRODUCTIVE CROPS AND SOILS



## 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.



Heavy loads of bolls throughout the plant are typical of Vitazyme activation of overall plant metabolism.

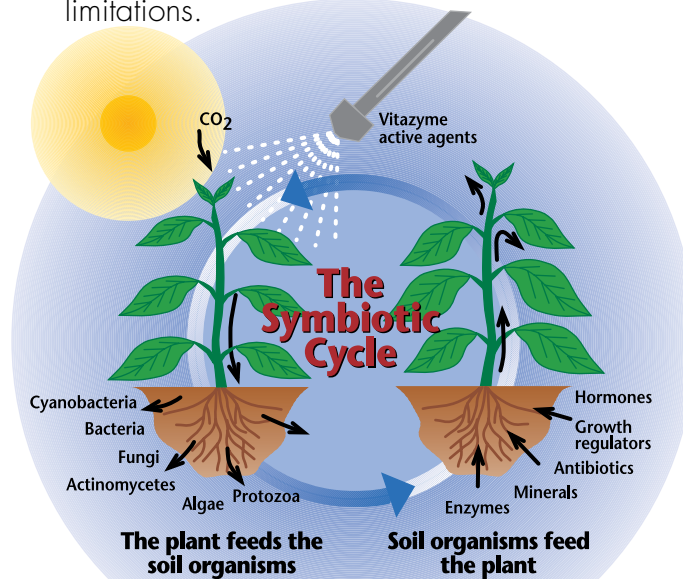
## THE PROGRAM

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, on the seeds at planting and at early bloom.

**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. Then, they move 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.

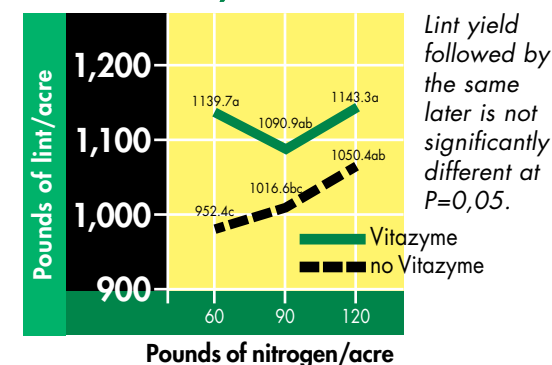


Large leaves containing more chlorophyll from Vitazyme's active agents fix more sunlight energy and CO<sub>2</sub>, producing more biomass and yield.

## 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.

Research at Texas A&M University has shown many excellent benefits for cotton, such as improved nitrogen utilization. **50% of nitrogen plus Vitazyme achieved a lint yield greater than the 100% nitrogen rate without Vitazyme!**



Also, Vitazyme produced significant increases in:

- Nodes above white flowers
- Nodes per plant
- Leaf area and photosynthesis



Notice how many more bolls have developed on the Vitazyme treated plants at 60 lb/acre of nitrogen.