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.

Soybean plants in this replicated trial in Iowa are larger and darker green early in the growth cycle when treated with Vitazyme, and produced significantly higher yields.

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: Vitazyme produces larger more vigorous plants with greater yield potential. Below: Untreated soybeans have not yet filled the interrows. See below.

Right: Next to the untreated control above, Vitazyme has filled the interrows, enhancing crop maturity.

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VITAZYME®

an All Natural Concentrate

for SOYBEANS & Other Beans

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.

Navy beans treated with Vitazyme are more mature than the controls, having more leaves, blossoms, and plant mass.

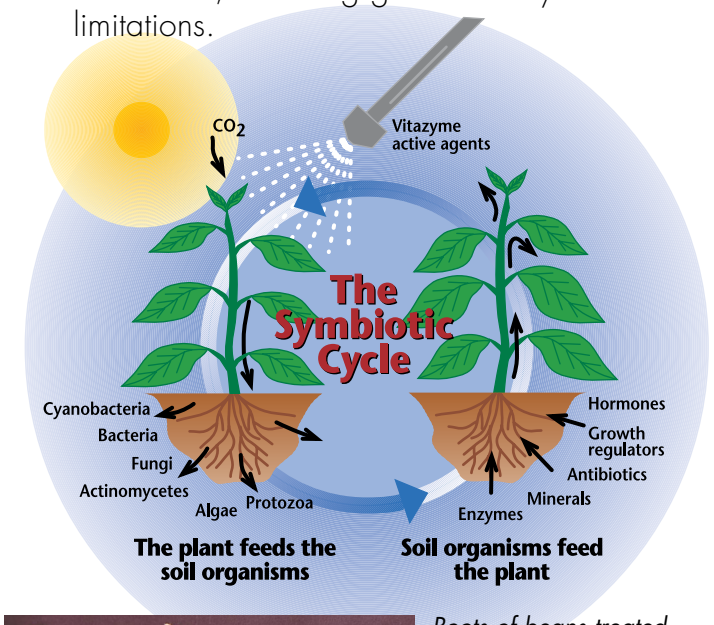
The Program

Vitazyme can be used in both conventional and organic production systems. Typically it is applied at 13 oz/acre (1 liter/ha) on the seed row at planting (or on the soil if that is not possible), and again at 13 oz/acre to the leaves and soil at early bloom. Combining Vitazyme with herbicide or fertilizer applications saves extra trips across the field.

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.

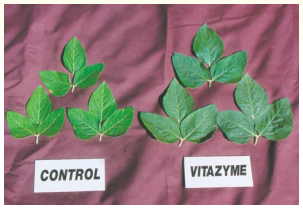


Roots of beans treated with Vitazyme typically are more extensive, with more fine roots and greater modulation. Note especially the first-developing modules at the stem base of the treated plant on the left.

What to Expect

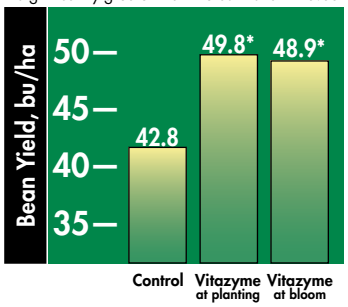
Research studies have shown that yields and profits of agricultural and horticultural crops are increased with Vitazyme use. In addition, application of fertilizer can often be reduced. Expect increased and accelerated plant growth, improved quality and reduced plant stress.

Right: Larger leaves with more chlorophyll fix more carbon and sunlight energy, producing bigger plants and higher yields.



Below: Shorter internodes result in more nodes per stem, more pods, and greater yield potential.

Above: More pods and greater energy fixation to fill them results in higher bean yields (pods from six plants each).

A major benefit of Vitazyme use with beans is to stimulate root growth, nodulation, and yield. Note the Iowa study on the right.

*Significantly greater than the control at P=0.05