

## Vital Earth Resources

706 East Broadway, Gladewater, Texas 75647  
(903) 845-2163 FAX: (903) 845-2262

# 1999 Crop Results

## Vitazyme on Potatoes

Farmer: James Harrison

Variety: Cara (seed potatoes)

Harvest date: September 1, 1999

Experimental design: A potato field was divided into two parts: two-thirds with standard fertilizer practices and one-third with the "Eco-Ag" System, using Vitazyme, humic acids, and beneficial rhizosphere bacteria.

Location: North Yorkshire, England

Planting date: first weekend of May, 1999

Soil type: sandy clay loam

### 1. Control

### 2. Vitazyme + Eco-Ag products

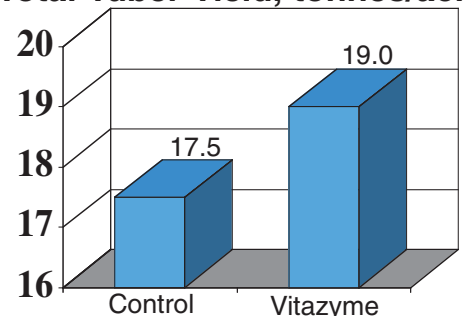
Fertility treatments: recommended applications of mono-ammonium phosphate,  $K_2SO_4$ ,  $(NH_4)_2SO_4$ , and other minerals

Vitazyme applications: 0.5 liter/ha (6 oz/acre) + humic acids + rhizospore bacteria at planting; 0.5 liter/ha and humic acids at tuber initiation and again at tuber bulking

Yield results:

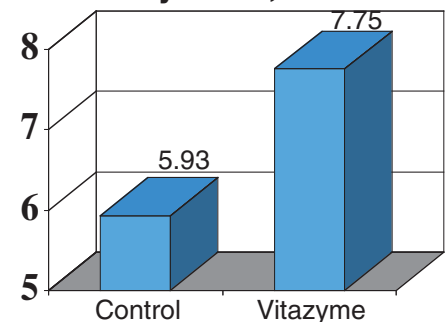
	<u>Control</u> tonnes/acre	<u>Vitazyme</u> tonnes/acre	<u>Change</u> tonnes/acre
Yield, net	17.50	19.00	1.50 (+9%)
Yield, seed quality	5.93	7.75	1.82 (+31%)
Yield, food quality	11.57	11.25	-0.32 (-3%)

**Total Tuber Yield, tonnes/acre**



**Seed yield increase: 31%**

**Seed Quality Yield, tonnes/acre**



Income results: Seed potato price = \$286.20/tonne

Food potato price = \$95.40/tonne

	<u>Control</u>	<u>Vitazyme</u>
Total income	\$1,761.40/acre	\$3,291.30/acre

**Income increase: \$1,529.90/acre**

Comments: The extra profit achieved by the Eco-Ag System in this potato study was \$491.31, after accounting for the extra costs of this system compared to the conventional program. "Mr. Harrison was delighted by the result which he monitored throughout the year. He intends to use Vitazyme on all crops in 2000."

**Vitazyme and the Eco-Ag System produced a sizeable (31%) increase in high quality seed potatoes versus the conventional system.**