

Vital Earth Resources

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2000 Crop Results

Vitazyme on Field Beans

Farmer: Mike Humphrey Location: Twin Falls, Idaho Variety: Small red beans

Soil type: good quality, with 25% low-productivity "white" soils; Portneuf silt loam

Planting date: June 19, 2000

Experimental design: A field of small red beans was treated conventionally except for a strip through the center of the field that received Vitazyme.

1. Control

2. Vitazyme

Fertilization: unknown

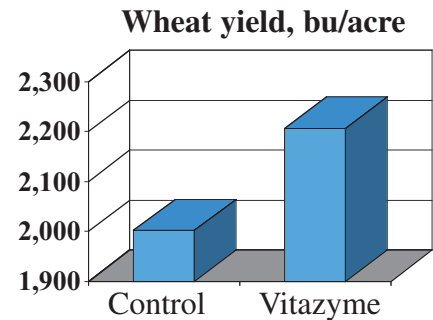
Vitazyme application: The seeds were treated with a 5% Vitazyme solution before planting, plus 13 oz/acre sprayed on the soil after planting, and another 13 oz/acre sprayed on the leaves and soil at early bloom.

Harvest date: unknown

Yield results: Two 2.5-acre strips in the Vitazyme strip were harvested and weighed, and compared to the untreated control yield, from which 18 acres was combined and weighed.

	Control	Vitazyme	Change
	----- lb/acre -----		
Bean yield	2,002	2,207	(+) 205 (+10%)

Bean yield increase: 10%



Income results: A value of \$0.18/lb is expected.

	Control	Vitazyme	Change
	----- \$/acre -----		
Income	360.36	397.26	(+) 36.90

**Income increase:
\$36.90/acre**

Conclusions: Vitazyme applied on the seeds of these red beans before planting, as well as twice on the soil and leaves during the growing season, increased bean yield by 10% and increased income by \$36.90/acre. This improvement amounted to a return on investment of 3.7:1.