

**Vital Earth Resources**

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**2003 Crop Results**

**Vitazyme on Bermudagrass (turf)**

Researcher: Eddie Pearson

Sod Farm: Lloyd Brigrance Grass Farm, Greenville, Texas

Variety: 419 bermudagrass

Soil type: Houston black clay

Sod type: mature

Experimental design: A sod field was treated by sprayer in one part with Vitazyme and the rest of the field was left untreated.

**1. Control**

**2. Vitazyme**

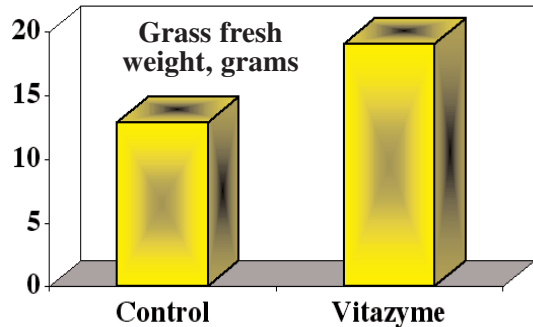
Fertilizer treatment: unknown

Vitazyme treatments: A 1% Vitazyme solution was sprayed on the treated area on April 2, 2003.

Growth results: On May 28, 2003, 56 days after Vitazyme application, four 3-inch cores were collected on each side of the dividing line of the treatments. The cores were thoroughly washed clean of all soil on roots blotted to relative dryness with paper towels and weighed. The data were analyzed by Analysis of Variance using Cohort software.

Treatment	Fresh weight*	Change
	----- grams -----	
Control	12.89 b	—
Vitazyme	19.02	6.13 (+48%)

\*Means followed by the same letter are not significantly different at P=0.05. Significance level: P=0.017. LSD<sub>0.10</sub>=3.00 grams.



**Increase in fresh weight: 48%**

Conclusions: Vitazyme applied to this bermuda grass field in north Texas caused a great increase in both root and leaf growth . . . 48% in this trial, significant at P=0.001. The leaves were also **deeper green** for the Vitazyme treated grass, indicating greater photosynthesis and carbon fixation resulting from this biostimulant.