

# Sorghum *with Vitazyme application*

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**Farmer:** Irrigation District 011

**Research organizations:** CVYTTS and Quimica Lucava

**Location:** Irapuato, Guanajuato, Mexico

**Variety:** Syngenta 5390

**Planting date:** May 16, 2014

**Experimental design:** A 1 hectare area of a sorghum field was treated twice with Vitazyme to determine its effects on growth, yield, and profitability compared to an adjoining untreated control area.

**Fertilization:** unknown

**Vitazyme application:** (1) a seed treatment at 250 ml/ha on May 16, 2014; (2) foliar and soil spray at 1 liter/ha on June 30, 2014

**Growth observation:** The Vitazyme treated plants had *more extensive roots* and *greater plant vigor*.

**Harvest date:** December 15, 2014

**Yield results:**

Treatment	Yield	Yield change
	kg/ha	kg/ha
Control	7,745	—
Vitazyme	8,065	320 (+4%)

**Increase in sorghum yield with Vitazyme: 4%**

**Income results:** The sorghum price was 0.2382 USD/kg. Vitazyme overall cost = 46,43 USD/ha.

**Added profit with Vitazyme: 29.80 USD/ha**

**Conclusions:** This Mexican sorghum trial showed a good yield increase (4%) and income improvement (29.80 USD/ha) with two Vitazyme applications.

