Sorghum with Vitazyme application

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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

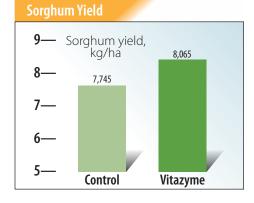
Growth observation: The Vitazyme treated plants had *more extensive roots* and *greater plant vigor*.

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.