

Vital Earth Resources

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

2014 Crop Results

Vitazyme on Prickly Pear Cactus

Researcher: Agustin Fernando Peralta

Farmer: Oliver Castro Garcia

Research organization: Quimica Lucava

Location: San Martin of the Pyramids, State of Mexico, Mexico

Variety: *Opuntia ficus-indica* (L.) Mill

Experimental design: A cactus field was divided into Vitazyme treated and untreated areas to determine the effect of the product on yield. Two applications of Vitazyme were made.

1. Control

2. Vitazyme (2x)

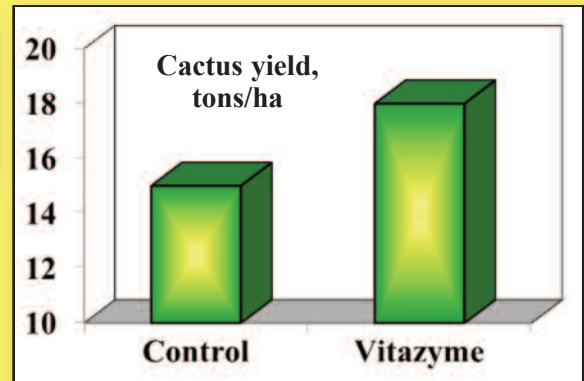
Fertilization: unknown

Vitazyme application: (1) Just before bud break (February 7, 2014) at 1 liter/ha, and (2) about two months later (April 14), also at 1 liter/ha. A pallet gun was used for the applications, with 1 liter of Vitazyme in 1,100 liters of water sprayed on 1 hectare. Along with Vitazyme, for the first application, were added 10 liters/ha of a phosphorus fertilizer, 22 kg/ha of KCl, 2 liters/ha of Afidox, 2 liters/ha of Lucaban, and 2 liters/ha of Sulcoflu.

Harvest date: May 26 to June 20, 2014

Yield results:

Treatment	Area	Yield tons/ha	Yield increase tons/ha
Control	1 ha	15.0	—
Vitazyme	1 ha	18.0	3.0 (+20%)



**Increase in yield with
Vitazyme: 20%**

Two applications of Vitazyme produced an excellent yield increase, of 20% in this Mexican prickly pear cactus study.