

# Swiss Chard with Vitazyme application

**Researcher:** Rajnish Khanna, Ph.D.

**Research organization:** i-Cultiver, Manteca, California

**Location:** USDA Plant Gene Expression Center, Albany, California

**Variety:** unknown

**Growth media:** Sunshine Mix #1 (Sungro Horticulture)

**Experimental design:** A greenhouse trial was established using 3-gallon pots, to compare the effects of Vitazyme on fresh weight compared with untreated controls. Four pots were used for each treatment.

## ① Control ② Vitazyme

**Fertilization:** Peters Professional 20-20-20 water soluble fertilizer applied at 1:64 dilution each week

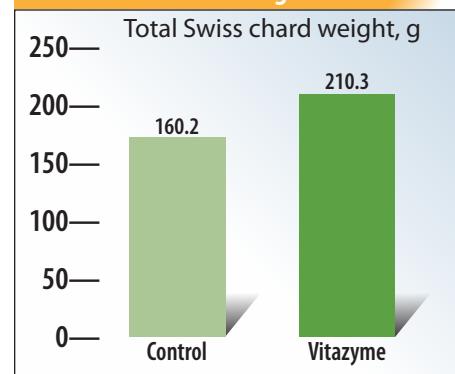
**Vitazyme application:** a 1% Vitazyme solution sprayed on the leaves and soil, to the dripping point, every 14 days beginning at the four-leaf stage until flowering or harvest

**Disease control:** Floramite and Decathlon at 0.25 tsp/gal, sprayed at 1-2 gal/100 plants

**Yield results:** The mature plants in each pot were weighed, and the values were totaled.

**Increase in Swiss chard fresh weight with Vitazyme: 50.1 g (+ 31%)**

### Fresh Swiss Chard Weight



**Conclusions:** This greenhouse pot trial with Swiss chard, using Vitazyme every 14 days, showed that the fresh weight of the plants was improved by 31%, or 12.5 grams per plant. These results show the excellent effect of Vitazyme to increase the productivity of Swiss chard.