

Vital Earth Resources

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

2010 Crop Results

Vitazyme on Amaranth (Edible)

Researcher: unknown

Location: Hoc Mon District, Ho Chi Minh City, Viet Nam

Variety: Amaranth (*Amarantus mangosanus*)

Planting date: July 23, 2010

Preseeding treatment: seeds mixed with dry soil

Experimental design: A small plot trial, using 30 m² plots and three replicates, was conducted on edible amaranth to determine the effect of Vitazyme on crop yield. Three plots were treated with Vitazyme, and three were left untreated.

1. Control (farmer normal practice)

2. Vitazyme

Fertilization: For 30 m², 48kg of chicken manure, 2 kg of “thermophosphate”, and 2 kg of organic fertilizer mixed with N-P₂O₅-K₂O fertilizer.

Vitazyme application: (1) a seed treatment of 10% Vitazyme by wetting the seeds and drying, repeated three times; (2) soil and foliar treatment of 3 ml in 3 liters of water, 7 days after planting; (3) foliar treatment of 3 ml in 3 liters of water, 14 days after seeding.

Yield results:

Treatment	Yield kg/30m ²	Yield kg/ha	Change kg/ha
1. Control	120.0	40,000	---
2. Vitazyme, seeds	130.5	43,500	3,500 (+9%)

**Increase in yield with
Vitazyme: 9%**

Conclusion: This Viet Nam study with edible amaranth revealed that a seed treatment and two foliar treatments of Vitazyme increased yield by 9%, a very substantial gain.

Vital Earth Resources

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

2010 Crop Results

Vitazyme on Amaranth (Edible)

Researcher: unknown

Location: Hoc Mon District, Ho Chi Minh City, Viet Nam

Variety: Amaranth (*Amarantus mangosanus*)

Planting date: July 5, 2010

Preseeding treatment: seeds mixed with dry soil

Experimental design: A small plot trial, using 30 m² plots and three replicates, was conducted on edible amaranth to determine the effect of Vitazyme on crop yield. Three plots were treated with Vitazyme, and three were left untreated.

1. Control (farmer normal practice)

2. Vitazyme

Fertilization: For 30 m², 48kg of chicken manure, 2 kg of “thermophosphate”, and 2 kg of organic fertilizer mixed with N-P₂O₅-K₂O fertilizer.

Vitazyme application: (1) a seed treatment of 10% Vitazyme wetted on the seeds and dried, repeated three times; (2) soil and foliar treatment of 3 ml in 3 liters of water, 7 days after planting; (3) foliar treatment of 3 ml in 3 liters of water, 14 days after seeding.

Yield results:

Treatment	Yield kg/30m ²	Yield kg/ha	Change kg/ha
1. Control	126	42,000	---
2. Vitazyme, seeds	129	43,000	1,000 (+2%)

**Increase in yield with
Vitazyme: 2%**

Conclusion: This Viet Nam study with edible amaranth revealed that a seed treatment and two foliar treatments of Vitazyme increased yield by 2%.