

# Improvement in Fertilizer Efficiency with Vitazyme

The following trials demonstrate the effectiveness of Vitazyme for improving nitrogen fertilizer efficiency.

Notice the improvement of yield with Vitazyme in all nitrogen levels and mainly the enhancement of yield with Vitazyme at a lower nitrogen level compared to the yield of an untreated control at a higher nitrogen level (see the arrows).

Crop & Locality	Year	Nitrogen (lb/acre)	Yield (t/ha)		Yield (bushels/acre)	
			Control	Vitazyme	Control	Vitazyme
<b>Corn</b>						
Ames, Iowa	1995	80	4.99	→ <b>5.47</b>	79.5	→ <b>87.2</b>
		120	5.05←	5.59	80.4←	89.1
Burlington, Iowa	1996	80	8.01	→ <b>9.74</b>	127.6	→ <b>155.2</b>
		120	9.74←	10.39	155.2←	165.6
Cedar Falls, Iowa	2003	80	9.15	→ <b>9.75</b>	145.8	→ <b>155.4</b>
		160	10.04←		159.9←	
Elizabeth City, North Carolina	2004	0	3.39	6.18	54.0	98.5
		56	7.42	8.69	118.3	138.4
		112	9.90	→ <b>9.77</b>	157.8	→ <b>155.6</b>
		224	9.41←	<b>10.00</b>	150.0←	<b>159.4</b>
Clarkton, North Carolina	2004	0	9.66	→ <b>11.40</b>	153.9	→ <b>181.6</b>
		56	10.68←	→ <b>10.20</b>	170.2←	→ <b>162.6</b>
		112	9.16←	→ <b>10.47</b>	145.9←	→ <b>166.8</b>
		224	10.00←	<b>11.21</b>	159.3←	<b>178.6</b>
Ondo, Nigeria	2003	112	2.55	→ <b>3.38</b>	40.6	→ <b>53.9</b>
		224	3.28←	3.45	52.3←	55.0
<b>Sweet Corn</b>						
Crossville, Tennessee	1999	40	8.90	→ <b>9.88</b>	141.7	→ <b>157.5</b>
		80	9.39←	12.11	149.6←	192.9
Leon, Mexico	2004	70%		→ <b>12.15</b>		→ <b>193.6</b>
		100%	10.55←		168.1←	
<b>Sweet Potato</b>						
Havana, Cuba	2003	<b>kg/ha</b>	<b>t/ha</b>	<b>t/ha</b>		
		56		→ <b>26.73</b>		
		84		→ <b>32.33</b>		
		112	27.2←	34.00		
<b>Cane Sugar</b>						
Santiago de Cuba	2004	0	9.13			
		37.5		→ <b>11.73</b>		
		75	9.65←	12.42		
Matanzas, Cuba	2004	109		→ <b>10.81</b>		
		146	9.87←	10.89		
<b>Rice</b>						
Sancti Spiritus, Cuba	2004	0	3.17			
		66		→ <b>5.81</b>		
		88	4.65←	6.34		
Havana, Cuba	2004	0	2.41			
		66		→ <b>3.10</b>		
		88	2.88←	3.19		
<b>Lettuce</b>						
Leon, Mexico	2005	60%		→ <b>6.76</b>		
		100%	3.80←			