

Improvement in Fertilizer Efficiency with

VITAZYME

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Evidence from Replicated Field Trials — 1995 to 2004

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The following studies demonstrate the effectiveness of Vitazyme for improving fertilizer nitrogen efficiency. Compare the improvement of yield with Vitazyme at each nitrogen level, and also the enhancement of yield with Vitazyme at a lower nitrogen level compared to the untreated yield at a higher nitrogen level (see the arrows). Most of these studies have been replicated and statistically analyzed. For the full reports, go to www.AgBioTech.com

Location	Year	Nitrogen lb/acre	Yield no Vitazyme	Yield with Vitazyme
CORN				
Ames, Iowa (field corn)	1995	80	79.5 bu/acre	87.2 bu/acre ↔ 89.1 bu/acre
		120	80.4 bu/acre	
Burlington, Iowa (field corn)	1996	80	127.6 bu/acre	155.2 bu/acre ↔ 165.6 bu/acre
		120	155.2 bu/acre	
Ames, Iowa (field corn)	1997	0	151.7 bu/acre	158.8 bu/acre
		50	183.5 bu/acre	186.6 bu/acre
		100	191.3 bu/acre	190.1 bu/acre
Pen Yan, New York (organic sweet corn)	1999	Manure/alfalfa plowdown	9,905 lb/acre	14,765 lb/acre (with 0.5 gal/acre fish; fish alone, 11,438 lb/acre)
Crossville, Tennessee (sweet corn)	1999	40	3.6 tons/acre	4.0 tons/acre ↔ 4.9 tons/acre
		80	3.8 tons/acre	
Cecilia, Kentucky (field corn)	2001	80	124.4 bu/acre	151.9 bu/acre
		105	138.1 bu/acre	
Cedar Falls, Iowa (field corn)	2003	80	145.8 bu/acre	155.4 bu/acre ↔ 159.9 bu/acre
		160	159.9 bu/acre	



Location	Year	Nitrogen lb/acre	Yield no Vitazyme	Yield with Vitazyme
Ondo State, Nigeria (field corn)	2003	112	255.0 g/m ²	338.3 g/m ²
		224	328.3 g/m ²	345.3 g/m ²
Iizabath City, NC (field corn)	2004	0	54.0 bu/acre	98.5 bu/acre
		56	118.3 bu/acre	138.4 bu/acre
		112	157.8 bu/acre	155.6 bu/acre
		224	150.0 bu/acre	159.4 bu/acre
		280	139.9 bu/acre	161.5 bu/acre
Clarkton, North Carolina (field corn)	2004	0	153.9 bu/acre	181.6 bu/acre
		56	170.2 bu/acre	162.6 bu/acre
		112	145.9 bu/acre	166.8 bu/acre
		224	159.3 bu/acre	178.6 bu/acre
		280	139.7 bu/acre	151.2 bu/acre

SWEET POTATOES

Havana Province, Cuba	2003	56	_____	26.73 tons/ha
		84	_____	32.33 tons/ha
		112	27.20 tons/ha	34.00 tons/ha

SUGAR CANE

Mantanzas Province, Cuba	2004	109	_____	10.81 tons/ha
		146	9.87 tons/ha	10.89 tons/ha
Holguin, Cuba	2004	0	7.46 tons/ha	_____
		73	_____	8.14 tons/ha
		109	_____	8.94 tons/ha
		146	9.73 tons/ha	12.06 tons/ha

RICE

Santiago de Cuba, Cuba	2004	0	11.95 tons/ha	_____
		42	_____	15.05 tons/ha
		84	12.21 tons/ha	16.50 tons/ha
Sancti Spiritus, Cuba	2004	0	3.17 tons/ha	_____
		66	3.83 tons/ha	5.81 tons/ha
		88	4.65 tons/ha	6.34 tons/ha
Havana Province, Cuba	2004	0	2.41 tons/ha	_____
		66	2.96 tons/ha	3.10 tons/ha
		88	2.88 tons/ha	3.19 tons/ha

LETTUCE

Labradores, Mexico	2005	[60%]	_____	1,144 lb/plot
		[100%]	930 lb/plot	_____

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