2004, Hiniker, Cooler, Impellicone compared to Exactrix Exactrix Test Data supplied by producer Steve Peterson, Wheatfield IN.
2KFT Exactrix Test Data supplied by producer Steve Peterson, Wheatfield IN.
Exactrix-Gram, \$1,000 paid to all Exactrix producers generating randomized and replicated plots to determine nitrogen use efficiency.
November 2004. Continuous corn rotation, tillage. Maximum Economic Yield: 160 lbs.N/A. Marginal Return Point: 120 lbs. N/A. Significant Placed Nutrient Advantage: 1. Exactrix low CV, uniform application. 2. Exactrix NH3 applied as a liquid.

Continuos corn producer Steve Peterson at Wheatfield, IN raised 16 more bushels of corn at MRP with the Exactrix as compared to Hiniker, Cooler Impellicone system.

At Maximum Economic Yield Steve raised 10 more bushels of corn with Exactrix as compared to Hiniker, Cooler, Impellicone. Steve's field wide averages were 205 bushels per acre.

Steve raises 750 acres of continuous corn and also custom applies nutrients. In 2005 Steve plans to convert from the 2KF volumetric system to the 2KC Weigh Master using Coriolis Mass Flow. He will also test dual placement with the a 15'' shank type tool bar using Exactrix Delta P system. Steve has sandy soils to heavy much clay soils with pH in 6.2 range. Sulfur appears to be deficient on based on tissue samples. Steve limes every 4 to 5 years raising pH to 6.5 to 6.7 pH. NH3 cost is predicted at \$420 to \$540 per ton spring 2005 at Shelbyville, IN.

Lbs. N/A as NH3				-	Yield		Gross M	
					Bu.A		\$1.75/Bu	
180					189	45.00	288.88	13.61
					186	45.00	280.51	13.82
160	MEY	·			192	40.00	296.01	11.9
					182	40.00	278.51	12.56
140					185	35.00	288.75	10.81
					182	35.00	283.51	10.99
120	MRF	2			181	30.00	286.75	9.47
					165	30.00	258.75	10.39
100		27 Bu.	Total Rang	е				
50	Additional N as NH3 required to produce 1 bu. of corn at .8 pounds N per bushel. Range 1 At the Exactrix Marginal Return Point .66 pounds of N produced 1 bu. of corn. Goef. of Standar At the Exactrix Marginal Return Point the OM and legume N added .14 pounds of N for each bu. of corn. Goef. of Standar At the Exactrix Maximum Economic Yield .83 pounds of N produced 1 bu. of corn. Hiniker, Soil lab recommendation made no N recommendation. Shank tillage system, One set of plots was plowed. Hiniker, The enclosed plots were randomized and replicated twice. Yield monitors were used. Pioneer Hybrid Corn 34B24 at 28,500 population. The enclosed plots were randomized and replicated twice. Yield monitors were used.				x System Performance. 11 bushels. 86.75 bushels. f Variation .0256 rd Deviation 4.787 , Cooler, Impellicone System Performance. 21 bushels. 78.75 bushels. f Variation .0523 rd Deviation 9.358			
nutrients.	Bushels per Acre 150		200		250		3	00
	Caution: Applying too much nitrogen can be detrimental to the corn crop. Always keep in mind that yield reductions can occur if the producer oversupplies nitrogen. Exactrix nitrogen is 40% more crop available.							

F