

**actosol**<sup>®</sup> Increased Yield by about 12% of Field Corn and resulted in 10 to 1 Investment Gain at Twin Oaks Dairy Farm Fields in South Central Virginia



Field application was conducted in Martinsville, Virginia at Twin Oaks Dairy on substandard land for cultivation of corn silage. Fertilizer was applied at the rate of 600lbs per acre of 9-23-30 with 38 gallons of liquid nitrogen solution (30-0-0) at time of planting supplied by Southern States Martinsville Coop for the control plot. The test plot was fertilized exactly the same but with one gallon per acre of Bioactivated actosol applied along with the liquid nitrogen solution.

Results were as follows: control yielded 17 tons per acre of corn silage. Test plot yielded 19 tons of corn silage per acre thus resulting in increase in yield of 11.76%. Ensilage today being valued at \$80.00 per ton thus Twin Oaks Dairy Farm realized additional \$160 value. With only extra input cost of actosol of \$16, it resulted in gain of 10 to 1. The fertility of the farm soil will also gradually improve from added organic humic matter from the application of actosol. Also the producer noted that ears were much bigger and more developed than in the control plot thus the higher grain content resulting in a higher (TDN) and translating to more lbs of milk produced by his cattle.

Today's farms are rarely all in one piece of land but spread out with fields often miles apart connected only by public roads. Much land is now rented not owned and not in optimal fertility for planting row crops. Often it is not feasible to get the manure truck on these spread out farm land or to spend longer term inputs such as lime or heavy applications of fertilizers when the producer doesn't know how long they will have the land.