



USDA-CSREES 2007 National Water Quality Conference

[Forage Subsurface Drip Irrigation using Treated Swine Effluent](#)

An experimental subsurface drip irrigation (SDI) system was initiated to evaluate the use of treated swine effluent on a bermuda grass forage crop. The SDI system was installed in Duplin County, North Carolina at the location of an innovative swine wastewater treatment system. The effluent from the treatment facility was applied to Bermuda grass forage crop at agronomic nutrient rates. Treated wastewater application below the soil surface reduces nutrient loss potential through volatilization and places nutrients in the rooting zone. Results from the forage SDI system indicated that treatments receiving treated waste as their nutrient source had higher biomass yields.

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