

Project Overview

Intern: Brian Ladd

Major: Biological and Agricultural Engineering

School: Kansas State University

Summer Projects

This summer's tasks consisted of providing assistance to livestock producers and small businesses in Cuming County, Nebraska. The assistance provided included whole farm nutrient balances, waste assessments, reassessment of a business previously visited by an intern, and providing public education about pollution prevention through presentations to groups in the community.

Agricultural Assessments

Six livestock producers were visited through out the summer concerning nutrient management issues. The goal of these visits was to make the producers aware of the problem of the over application and accumulation of nutrients on their land.

Waste Assessments

Two small businesses were visited through out the summer. A waste assessment was conducted for each business. The businesses included a distributor of agricultural equipment and a hay grinder manufacturer. The reassessment was of a manufacturer of exterior signs first visited by an intern in 2004.

Education

During the course of the summer several pollution prevention presentations were given. Three formal presentations were given to the Cuming County Feeders, Cuming County Pork Producers, and the Cuming County Extension Board. A newspaper article about pollution prevention was published in the West Point News. A two-minute Extension Corner radio program was also dedicated to pollution prevention.

Results

Overall 28 pollution prevention suggestions were made to the producers and small businesses. Potentially **\$2285** and **63,687 kWh** can be saved from the pollution prevention suggestions and **150 pounds of N₂O** could be prevented from release during the production of fertilizer. In addition, **168 people** heard about pollution prevention through formal and informal encounters.