

## Project Overview

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## Summer Projects

The 2005 summer's projects included: aiding livestock producers in nitrogen and phosphorus management through the use of nutrient balances, providing small business owners with comprehensive waste assessments, reassessing a previous client, and educating the community of North Platte, Nebraska about the principles and practices of pollution prevention (P2).

## Agricultural Assessments

Three livestock producers received nutrient assistance this summer. Two were based in the North Platte area while another was near Wisner, Nebraska. Animals raised included sheep, hogs, and cattle. To correct the finding within all the operations, of an accumulation of nitrogen and phosphorus, proper manure management and commercial fertilizer use reductions were suggested. This saves the farmer money and reduced electricity used to produce commercial fertilizer. The potential savings can be found in Table 2.

## Waste Assessments

Two waste assessments and one reassessment were performed this summer. One new client was a car dealership and service shop; and the other was a lounge and restaurant. The reassessment was performed for a hotel/motel that was first visited in 2004. Recommendations included replacing fluorescent lights with low-mercury alternatives, changing the parts washer to an aqueous solvent, recycling metals and aerosol cans, and repairing damaged or missing insulation.

## Education

Pollution prevention education was provided in formal and nonformal settings. Three thousand households were reached during a 3:00 minute interview during the Midday New Report at KNOP TV (North Platte's NBC affiliate). A story was published in both the North Platte Telegraph and the Pierce County Leader. The educational impact of the 2005 North Platte intern can be found in Table 1.

**Table 1. Educational Opportunities**

<b>Educational Opportunity</b>	<b>Description</b>	<b>Impact Audience</b>
Television Interview	3 minutes spot at midday	3,000 households
North Platte Telegraph	press release	4,200 households
Pierce County Leader	press release	700 households

## Results

Suggestions made to both agriculture and small business clients were aimed at saving money through reduced raw materials usage and decreased waste production. The potential savings can be found in Table 2.

**Table 2. P2 Opportunities and Benefits**

<b>P2 Opportunity</b>	<b>Waste Reduced &amp; Materials Saved</b>	<b>Monetary Savings</b>
Agricultural Producers (3 clients)	140,000 lbs. feed/yr	\$11,200/yr
	47,365 lbs. fertilizer/yr	
	399,287 KWH/yr	
Small Businesses (2 clients)	10,625 lbs. solids/yr	\$1,450/yr
	585 lbs. hazardous/yr	
	21,300 KWH/yr	