# ENVIRONMENTAL STEWARDSHIP DIVISION

# Impact of Feedlot Pen Concrete on Animal Welfare, the Environment and Economics

## **Animal Welfare**

- Health
- Ethology

### **Environment**

- Runoff and Seepage Water Quality
- Climate Change
- Air Quality
- Manure Nutrient Quality
- Concrete Integrity

### **Economics**

- Average Daily Gain
- Runoff Volume
- Manure Volume
- Tag Score
- Pen Construction and Maintenance



