

CAFO and PROCESSING INDUSTRY WATER ISSUES

Objective: To develop and evaluate water saving technologies for concentrated animal feeding operations (CAFO) and industries that process agricultural commodities. This includes evaluation of environmental and health risks of reusing water from other activities.

- **Document detailed baselines of water and waste water use**
 - In CAFO's by process and species
 - In processing industries by process and commodity
- **Technologies to maximize utility of ground water usage in CAFO and processing industries**
 - Reduce net freshwater use per unit/production
 - Develop new approaches for treating and recycling water, e.g., land application, etc.
- **Assess environmental, economic, and health impacts of water conserving technologies**
- **Develop and foster adoption of strategies for ecologically sustainable use of water and wastewater**

Outcome: 1) Detailed inventory of water and wastewater use in CAFO's and the processing industries, 2) an array of new technologies to reduce fresh water use and to increase use of recycled water, 3) impact assessments of new technology options, and 4) adoption of appropriate conservation technologies.