PARTNERSHIPS for WATER and FOOD SECURITY

The Water for Food Institute and Jain Irrigation

The Robert B. Daugherty Water for Food Institute at the University of Nebraska is proud to partner with Jain Irrigation Systems Ltd. to contribute to water and food security through research and technology development, education and other collaborations that will benefit farmers in the US, India and throughout the world. The Jain Irrigation-University of Nebraska Water for Food Research and Education Program will focus on three areas:

Enhancing water productivity: Collaborative research with farmers to improve “crop per drop.”

Educating scientists, students and others in water management, water policy: developing human capital in the water sector.

Joint efforts in water and irrigated agriculture: research, outreach and student exchanges.
The University of Nebraska and Jain Irrigation are partners in research and education efforts in water and food security. The organizations will seek new ways to apply advances in biotechnology, information technology and nanotechnology – three high priority areas of strength at the University – to agriculture.

**Research and Outreach Activities**

**Crop improvement:** Research through genomics to improve the ability of crops to tolerate drought, salinity and other stressors; evapo-transpiration research in drip irrigation management and water conservation.

**Food security:** Research on irrigated agriculture, water use efficiency, crop yield models, aquifer characterization and other topics.

**Outreach:** Joint efforts to translate research into practical education and outreach tools for farmers and producers.

**Student exchanges:** Creating new international experiences and unique research opportunities for students in Nebraska and India.

**The Partners**

Jain Irrigation Systems Limited is one of the largest irrigation and food processing companies in the world with more than 7,000 employees. The company manufactures a wide range of products including drip and sprinkler irrigation systems, piping, agricultural inputs, solar technology and processed foods. The company is strongly committed to conservation and producer education.

The University of Nebraska’s Robert B. Daugherty Water for Food Institute is a research, education and policy analysis institute committed to helping the world efficiently use its limited freshwater resources, with particular focus on ensuring the food supply for current and future generations.