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## Opening- Proceedings of the 2010 Water for Food Conference

Prem S. Paul

*University of Nebraska at Lincoln, ppaul2@unl.edu*

Monica Norby

*University of Nebraska-Lincoln, mnorby1@unl.edu*

Gillian Klucas

*University of Nebraska-Lincoln*

Ashley Washburn

*University of Nebraska-Lincoln*

Elizabeth Banset

*University of Nebraska-Lincoln*

*See next page for additional authors*

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**Authors**

Prem S. Paul, Monica Norby, Gillian Klucas, Ashley Washburn, Elizabeth Banset, and Vicki Miller



# Proceedings of the 2010 Water for Food Conference

Lincoln, Nebraska – May 2-5



water  
for  food

A GLOBAL INSTITUTE AT THE UNIVERSITY OF NEBRASKA

Proceedings of the 2010  
Water for Food Conference

Lincoln, Nebraska – May 2-5

UNIVERSITY OF  
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Additional comments and information requests may be directed to:  
Prem S. Paul, Vice Chancellor for Research and Economic Development  
301 Canfield Administration Building  
University of Nebraska–Lincoln  
Lincoln, NE 68588-0433  
(402) 472-3123 • ppaul2@unl.edu

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## In Memoriam



**Robert B. Daugherty**  
Jan. 8, 1922 – Nov. 24, 2010

*“Improving agricultural productivity has been my life’s work.”*

## **\$50 Million Gift from Robert B. Daugherty Foundation Funds Water for Food Institute**

On April 20, 2010, the University of Nebraska announced a \$50 million founding gift commitment from the Robert B. Daugherty Charitable Foundation to support the global Water for Food Institute, a research, education and policy analysis institute focused on the efficient use of water in agriculture.

NU President James B. Milliken said the gift will enable the university to become a global resource for developing solutions to the challenges of hunger, poverty, agricultural productivity and water management. “By 2050, the world’s population will increase by 40 percent and demand for food – produced with finite amounts of land and water – will double,” Milliken said. “We have the experience and opportunity to build a global center in Nebraska, leveraging the knowledge and resources of the University of Nebraska and other leading institutions to help alleviate human suffering and food insecurity.”

Milliken praised the vision and commitment of Robert B. Daugherty, founder of Valmont Industries, who created the most successful irrigation company in the world and remained committed to the efficient and sustainable use of water to feed a growing world population. “Bob Daugherty was a true pioneer and visionary,” Milliken said. “He helped transform production agriculture and was a leader in addressing one of the most critical challenges facing the world.”

When the gift was announced in April, Daugherty said, “I have great faith in the University of Nebraska and its ability to make this institute a place where the best minds come together to find solutions that will improve the quality of life for people around the world through the strategic and responsible use of water.”

The Water for Food Institute is committed to helping the world efficiently use its limited fresh water resources to ensure the food supply for current and future generations. The institute will offer research, education and policy analysis on the efficiency and sustainability of water use in agriculture, the quantity and quality of water resources, and human issues that affect the water decision-making process.

Issues surrounding water for food have long been, and continue to be, a focus of University of Nebraska research. The knowledge and capabilities developed in Nebraska can be shared and applied globally, and Nebraska can, in turn, learn from its regional, national and international partners, Milliken said.

The water for food institute is governed by a board of directors: James B. Milliken, president, University of Nebraska, chairman; Mogens Bay, chairman of the board, Robert B. Daugherty Charitable Foundation, and chief executive officer, Valmont Industries; and Jeff Raikes, CEO, Bill & Melinda Gates Foundation.



# Foreword

Today 75 to 80 percent of human water consumption is used to grow food. The projected doubling in food demand, coupled with the impact of climate change on the geographic availability of water, will significantly increase the demand for water and the potential for a water crisis.

As native Nebraskans, we know very well the linkage between water and food. We grew up in an agricultural state, in an environment with an abundance of good soil, enough rainfall and water for irrigation, and the constant expansion of agriculture through innovation. As the threat of global poverty and food insecurity grows, we know that water security and food security are inextricably linked. Without adequate water resources, we cannot meet the needed increase in food production. We must grow more “crop per drop.”

This was the key issue at the 2010 Water for Food Conference: Growing More with Less, hosted by the University of Nebraska with the support of the Robert B. Daugherty Charitable Foundation, the Bill & Melinda Gates Foundation and Monsanto

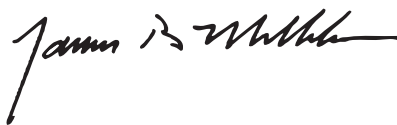


Jeff Raikes, CEO  
Bill & Melinda Gates Foundation

Company. This report documents the ideas and discussions that emerged from that conference.

Two weeks before the conference convened, fellow Nebraskan Robert B. Daugherty showed his commitment to the efficient and sustainable use of water to feed a growing world population with a founding gift of \$50 million from his foundation to the University of Nebraska to establish the global Water for Food Institute. As founder of Valmont Industries, the most successful irrigation company in the world, Daugherty played a role in transforming production agriculture and was a leader in addressing one of the most critical challenges facing our world. His gift creates an opportunity for the University of Nebraska to make a lasting impact on global poverty and hunger.

The conference provided a forum to bring together more than 300 people from 13 countries who share our urgent interest in finding innovative solutions to the challenge of growing more food with less water. We hope this report inspires you to consider your contribution to growing more with less.



James B. Milliken, President  
University of Nebraska