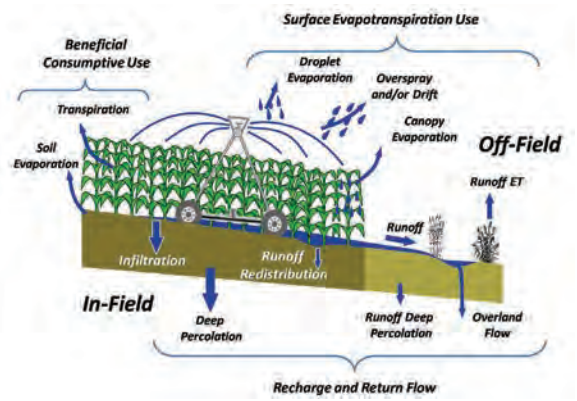
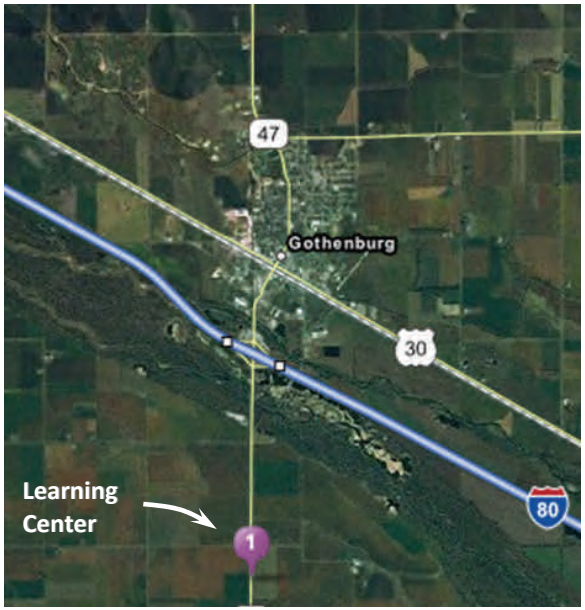
Water Policy Analysis

While the workshop is primarily dedicated to water management from a producer's perspective our tools and study results are also useful for evaluating water policy alternatives. Results have been used to draft deficit irrigation insurance pilot programs and to assess the economic impact of water policies on producers and the regional economy. To facilitate assessments of basin wide consequences, the analytic procedure incorporates the source and destiny of applied irrigation water, as illustrated below.



Map to Monsanto Educational Center



Presenters:

Dr. Derrel Martin, Irrigation Engineer

Dr. Raymond Supalla, Agricultural Economist

Dr. Gary Hergert, Agronomist

Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

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University of Nebraska Lincoln EXTENSION

Deficit Irrigation Management Workshop for Limited Annual and Multiyear Water Supplies

Limitations on irrigation water supplies, rising pumping costs and commodity values, and the recent drought all require a new look at managing irrigation. Results from a long-term research program will shed light on these issues.

Know How, Know Now

Deficit Irrigation Management Workshop

Workshop Focus

Results will be presented from several years of research regarding management of limited irrigation water supplies. Limitations arise from allocation programs for groundwater pumping and reduced reservoir inflows for surface irrigation projects. Producers are faced with planning for annual or multi-year periods. For a multiyear period producers should adapt plans during the year depending on actual precipitation. Finally, producers are also concerned with decisions regarding investments to improve irrigation technology to abate limited water supplies.

Benefits Attending Workshop

Attendees will receive tools and guidelines to plan and manage limited irrigation water supplies to maximize net returns and reduce risk. The guidelines will illustrate how managers can select strategies to maximize the value of their water supply. Recent crop responses to water stress will be examined along with the impact of irrigation pumping capacity. Guidelines are also presented when pooling of water supplies is allowed.

Location

Monsanto Water Utilization Learning Center

Gothenburg, NE

Dec. 7, 2012

9:00 a.m. - 3:30 p.m.

Registration begins at 8:30 a.m.

Lunch is provided.

$25 Registration Fee

Water Optimizer

A Decision Support Tool

Workshop Schedule

Time	Topic
8:55	Welcome
9:00	Deficit Irrigation Management
9:40	Crop Response to Water
10:20	Break
10:35	Predicting Yield and Economics
11:15	Plans for Single Field & Single Year
12:00	Lunch
1:00	Multiple Fields & Multiple Years
1:45	Implementing Plans
2:15	Break
2:30	System Capacity and Other Issues
3:00	Conclusion
3:30	Tour Monsanto Facilities

To register contact:

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