

INTERFACE WITH AGRICULTURE

A Special Fair Event (with prizes!)



Breezeway Site for Interface with Agriculture, Johnson County Fair

Tuesday, July 24, from 5 - 8 PM individuals and families are invited to interact with the displays listed below. They will be in and adjacent to the Breezeway between the Heritage Barn and the Rabbit Barn. Interpreters will be available for assistance at each display. The first 100 pre-teens who get participation stickers with at least three of the first five displays listed also will get a ticket good for one ice cream cone from the Dairy Promoters' tent at the Fair. Teens and adults may win a prize through the Infiltration Exhibit listed below. The event is sponsored by the Johnson County Soil and Water Conservation District with assistance from ISU Extension and the Dairy Promoters.

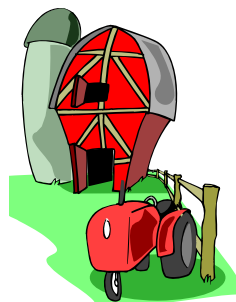
- * Pour water onto strips of **Till and No-till** soil to compare run-off thru residue management.
- * See how groundwater flows in a plexiglass **Aquifer Model**, learn how aquifers get contaminated and pollute well water.
- * Play **Tug-of-War** with a **Corn Bin** -- how big a person can you save?
- * Move the sand in a **Stream Table**, compare land uses, and see effects on the landscape.
- * Identify safety hazards on the UI **I-CASH Model Farm**.
- * Observe up-close **Wind Turbine** components; learn how they can reduce our use of fossil fuel.
- * Compare runoff from an urban parking lot, grass sod, land protected by grass buffers, and land surface with various residue covers. ISU's **Iowa Learning Farm Rainfall Simulator** simultaneously distributes rainfall with the runoff collected in glass jars to show variations in amount and sediment. (This exhibit may not be available until 5:30 PM).
- * Guess infiltration capacity of three **cores** of soil -- one representative of a biocell infiltration bed (**raingarden**), another of **restored prairie**, and one typical of urban **tract sod**. The equivalent of 1" of rain will be poured into each plastic-cased core every 15 minutes, following no "rain" for a week. Some participants will win the computer CD, **Rain on Your Roof**.



Interactive Demonstration Comparing Run-Off, No-Till with Tilled Corn



Groundwater Model Demonstration



UI I-Cash Model Farm with Safety Hazards



Grain Bin “Tug of War”



Altering a Stream in the Stream Tabl

Iowa State University's
Iowa Learning Farm
Rainfall Simulator



