



# Mobile Irrigation Lab

Education & Technical Assistance

**Mobile Irrigation Lab Web site: [www.oznet.ksu.edu/mil](http://www.oznet.ksu.edu/mil)**

The goal of the Mobile Irrigation Lab (MIL) program is to provide educational programs and technical assistance to Kansas agricultural producers. The MIL program has both educational and field demonstration activities.

The MIL program features hands-on computer training for irrigation decision support software, with special emphasis on ET-based irrigation scheduling. The MIL program also includes in-field evaluations of center pivot systems. Specific educational and technical assistance activities include:

- **ET-based irrigation scheduling**

**KanSched**, an ET based irrigation scheduling program, has been developed and is available to aid irrigators in scheduling. With improved irrigation scheduling and system efficiency, irrigation water resource and energy conservation may be accomplished. Hands-on computer training is available to producers, crop consultants, farm managers, and other interested persons.

- **Irrigation system evaluation**

MIL activities include in-field evaluation of the distribution uniformity of center pivot nozzle packages. Evaluation procedures for both in-canopy and above-canopy nozzle packages are available.

- **Energy for irrigation**

**FuelCost** is a computer software program designed to allow a producer to evaluate field pumping costs as compared to fuel use criteria. This will allow a producer to determine if a pumping plant upgrade is cost effective. The program can also be used to compare energy source alternatives.

- **Determining the best crop mix for limited irrigation**

The **Crop Water Allocator** computer program is designed for western Kansas cropping systems and can be used to evaluate cropping options for specific levels of irrigation water availability. This program allows a producer to customize the crop water budgets to local farm conditions.

**Contact your local K-State Research and Extension office for MIL programs in your area.**

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