CO652.0505 State Supplement

Irrigation Methods

To determine suitable irrigation methods, sound planning should consider:

- Cost and ease of installation
- Maintenance required
- Labor and skill required for operation
- Ease with which it can be fitted into the farm enterprise
- Considerations for the water quantity and timing of deliveries from the existing irrigation supply system
- Economic comparisons/considerations

The following is a listing of web sites with irrigation system descriptions, methods, limitations, and research papers.

The NRCS Water and Climate Center;
www.wcc.nrcs.usda.gov

WATER Management Research

SOIL and WATER MANAGEMENT RESEARCH UNIT

Conservation & Production Research Laboratory

http://www.ars.usda.gov/Main/site_main.htm?modecode=54-02-10-00

The Irrigation Training and Research Center (ITRC) was established in 1989 at Cal Poly Foundation, San Luis Obispo, as a center of excellence, building on a history of contributions to the irrigation industry.

http://www.itrc.org

The California Agricultural Technology Institute (CATI) is a non-profit educational institution dedicated to improving California agriculture. CATI is located at California State University, Fresno, in the center of the great San Joaquin Valley, in the heart of California agriculture.

http://www.cati.csufresno.edu/

The Irrigation Association (IA) has a number of training sessions on the different types of irrigation methods. As the irrigation industry's organization, IA represents professionals who channel their expertise toward the common goal of efficient irrigation. Conservation, the quality and quantity of water, is our mission. Since 1949, IA has led the advances in water-use efficiencies for irrigated agriculture, landscape, and golf course applications.

http://www.irrigation.org/

The Food and Agriculture Organization of the United Nations (FAO) training manual number nine, *Drainage of Irrigated Lands*, discusses system selection and other considerations at length. The web site is:

ftp://ftp.fao.org/agl/aglw/fwm/Manual9.pdf

This site has a number of papers on irrigation. The listed paper - *Irrigation System Selection*, has descriptions for systems, capabilities, limitations, labor, energy, and economic factors,

WATERIGHT

An educational and irrigation scheduling resource for water managers.

http://www.waterright.org/site2/publications/880105.asp

North Dakota State University, Extension Service has a number of papers available. One very helpful paper is *Selecting A Sprinkler Irrigation System*, and can be found at:

http://www.ext.nodak.edu/extpubs/ageng/irrigate/ae91w.htm

Colorado State University, Extension Service has a number of papers available. These can be found at:

Microirrigation for Orchard and Row Crops
http://www.ext.colostate.edu/pubs/crops/04703.html

Subsurface Drip (SDI)
http://www.ext.colostate.edu/pubs/crops/04716.html

Center-Pivot Irrigation Systems
http://www.ext.colostate.edu/pubs/crops/04704.html