

IRRIGATION REFERENCES

Title	<u>Web Page</u>	Brief Description
NRCS Irrigation Page	http://www.wsi.nrcs.usda.gov/products/W2Q/water_mgt/Irrigation/nrcs_irrigation_page.html	NRCS site provides links to various water management resources including software, guides, and general information.
Irrigation Training & Research Center (ITRC)	http://itrc.org	ITRC at the California Polytechnic State University, San Luis Obispo. ITRC provides technical assistance to Irrigation/Water Districts in SCADA, Flexible Water Delivery, Pump Testing, Telemetry. ITRC provides training in Irrigation System Evaluations to producers, Mobile Labs' staff and Irrigation Districts' staff. ITRC offers other short courses on behalf of the Irrigation Association and takes Certification exams. ITRC has in the website results of studies conducted under contract with USBR, DWR, California Energy Commission and local water agencies. Phone: (805) 756-2434. ITRC built and manages a indoor/outdoor hydraulic/irrigation laboratory, which has assisted irrigation districts in CA to improve the flexibility of the water delivery.

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The Center for Irrigation Technology (CIT)	http://cati.csufresno.edu/cit/	CIT maintains agreements with the irrigation industry at the California State University, Fresno. CIT also competes to receive grants from DWR, USBR, California Energy Commission and other state and federal agencies related to irrigation research and energy conservation. CIT is currently managing an Agricultural Pumping Efficiency Program, with funding from the California Public Utilities Commission (CPUC). It provides education, technical assistance, pump efficiency tests and incentive rebates for pump repairs. Visit http://www.pumpefficiency.org/
California Irrigation Management Information System (CIMIS)	http://www.cimis.water.ca.gov/cimis/welcome.jsp	CIMIS provides reference evapotranspiration data (ET _o) to California's agricultural water users. There are over 140 fully automated weather stations in the CIMIS network. Producers can access the weather stations closest to them and retrieve E _o , which the reference (grass) evapotranspiration computed through Penman-Montieth equation. University of California has published the crop coefficients (K _c) for the majority of the permanent and annual crops to compute the crop evapotranspiration (ET _c). Using this information a producer can schedule irrigation through a climate base method. Studies by UC Davis and Berkeley have documented the potential water savings and economic benefits for producers of using the data from the CIMIS database maintained by the Department of Water Resources (DWR), Water Use Efficiency Office.

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USDA Agricultural Research Service (ARS)	http://www.ars.usda.gov/main/site_main.htm?modecode=53-02-15-05	ARS has a Water Management Research Laboratory in Parlier, south-east of Fresno. Among many other projects, this Laboratory has provided direct assistance to growers in the West of the San Joaquin Valley through research to reduce agricultural drainage. ARS helps to advance sub-surface drip irrigation (SDI) in California.