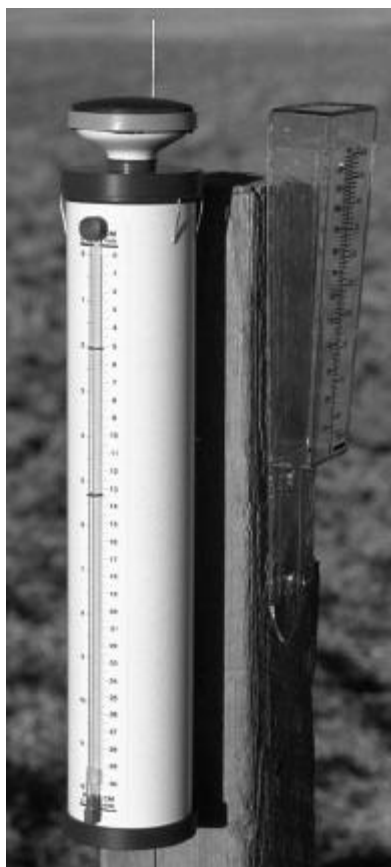


Evaporation Device for Estimating Irrigation Needs

ETgage™ Model A



ETgage Model A, displayed above, requires distilled water (available at food stores). Components of the system include: diffusion covers for grass ET (ET_o) and crop ET (ET_r), glass sight tube (inches and mm), stainless steel mounting bracket, rain gauge, bird-wire, instructions, irrigation management information and tables.

Test Results:

Tests run in various locations since 1988 have shown good agreement with other more expensive ways of measuring ET. The graph at right shows a comparison of the ETgage and two other methods, the Penman equation (using measurements of humidity, temperature, wind, and solar radiation), and a Bowen Ratio Station (a research method that measures the flow of vapor from a crop). The test shows close agreement in a corn crop from July 4 to first freeze at the USDA experiment station in Fort Collins, Colorado. Other data available on request.

Purpose:

ETgage is an instrument and method for viewing crop water use. It shows how much water has been used by ET (evapotranspiration). Use it for field crops, turf and landscaping.

How It Works:

A ceramic evaporator at the top of the instrument responds to sun and weather as plants do. Water is drawn from a reservoir. The water level falls in the sight tube one inch for each inch used by your plants.

Replaceable green canvas covers modify the evaporation rate to simulate ET from field crops or grass.

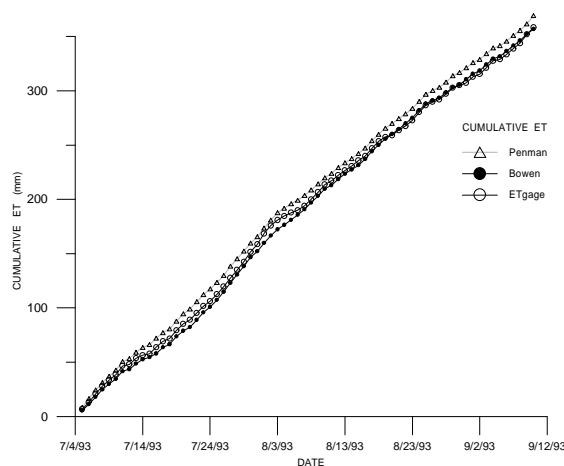
Rain cannot get into the instrument. The rain gauge, provided with the ETgage, lets you measure rain separately.

Applications:

- Irrigation scheduling
- Conservation of water, energy, fertilizer, topsoil and labor through better management
- Non-point source pollution studies

ETgage is used by turf managers, irrigation consultants, farmers, and government agricultural personnel in 37 states and 23 countries.

Inquire about our electronic ETgage Model E for use with data loggers, counters and controllers.



ETgage Company
www.etgage.com

1931 S. County Rd 19
Loveland, CO 80537 USA

Phone (970) 667-9821
Fax (970) 593-9182
sales@etgage.com