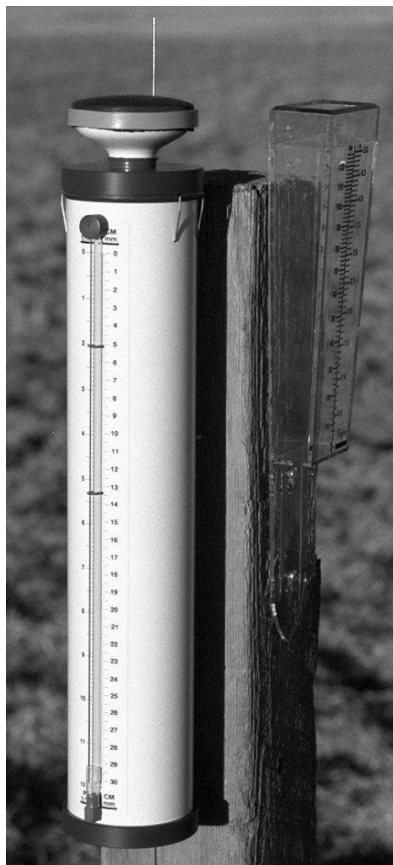


Evaporation Device for Estimating Irrigation Needs

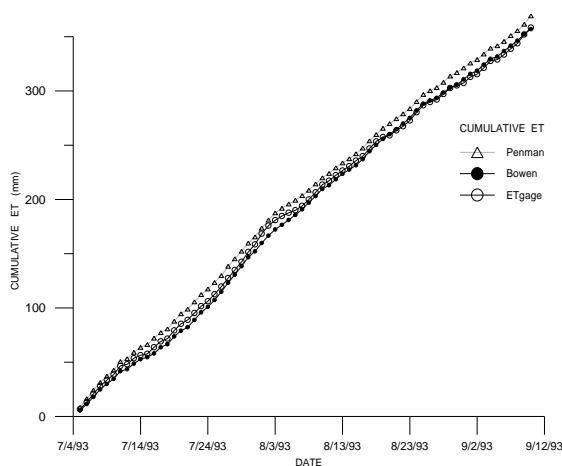
ETgage™ Model A



ETgage Model A, shown above, requires distilled water (available at food stores). Components of the system include: diffusion covers for grass ET (ET_g) and crop ET (ET_c), glass sight tube (inches and mm), stainless steel mounting bracket, rain gauge, bird-wires, 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 records soil moisture lost by ET (evapotranspiration). Use it for field crops, turf and landscaping.

How It Works:

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

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

A rain gauge, also provided, lets you measure rain separately. Rain cannot enter the ETgage.

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

1931 S. County Rd 19
Loveland, CO 80537 USA
www.etgage.com

sales@etgage.com

Phone (970) 667-9821