

# Improving irrigation water use efficiency

## How to use the DAILYET program

1. Select DAILYET on your PC to activate the program.
2. Click on the *Options* menu and select *Monthly* to calculate evapotranspiration for the month.
3. Enter the appropriate met data and click on *Calculate*. Don't forget to set the Month and Latitude / Altitude of the station!

The screenshot shows the 'Reference Crop Evapotranspiration' software window. The interface includes several input sections:

- Month:** A dropdown menu set to 'January'.
- Temperature °C:** Maximum (6.5) and Minimum (0.9) temperature fields.
- Humidity:** Dry Bulb °C (0.0), Wet Bulb °C (0.0), and Rel. Humidity % (90.0) fields.
- Sunshine:** Sunshine hours (1.7) and Radiation MJ/m<sup>2</sup> (2.7) fields.
- Wind speed:** Wind run km/day (248.0) field.
- Location:** Latitude (°) (52) and Altitude (m) (60) fields, with radio buttons for North and South.
- Instruments:** Checkboxes for Radiation and Psychrometer.
- ET method:** Radio buttons for Penman Monteith (selected), FAO Modified Penman, and Penman.

At the bottom, a large box displays the calculated result: **12.6 mm/m**. Buttons for 'Calculate' and 'Exit' are also visible.

**Figure 1 Example output from DAILYET**

DAILYET can be downloaded from: <http://www.silsoe.cranfield.ac.uk/IWE/Dailyet.htm>