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**Cawelo Water District and Groundwater Sustainability Agency Landowners:**

The Cawelo Water District (District) contracted with LandIQ to provide a new service to assist landowners with water management within the District and Cawelo Water District Groundwater Sustainability Agency (GSA) through a Daily Irrigation Management Tool (Tool).

For the last four (4) years Land IQ has been providing the District and GSA with monthly field-by-field estimates of actual evapotranspiration (ET) to identify agricultural consumptive demand. While highly accurate, the monthly results do not come quickly enough for irrigation management decisions. Thus, Land IQ developed a new tool (Daily Irrigation Management Tool) that provides growers, managers, and the District with access to daily ET and precipitation results within 1-2 days.

The purpose of the Tool is for individual grower water management decision-making. The Tool allows growers to track their water use on a daily basis in relation to a user defined threshold. This will allow growers to adjust water management decisions during the year on a real time basis to achieve, and hopefully not exceed, this user defined threshold. For consistency, the results of the Tool will be reconciled against and will match the proven results of the 30-day ET results that are currently being provided to the District and GSA. Additional information on the Tool can be found on the attached flyers.

The District will hold a **Landowner Workshop on 19 December 2025 at 9:30 A.M.** with LandIQ to provide landowners with an overview of the Tool and assist landowners to initially access and use the Tool. The Landowner Workshop will be held both in person at the District Office (17207 Industrial Farm Road, Bakersfield, CA 93308) and virtually. This will be an interactive workshop to assist landowners and landowners participating will need to bring, or have access to, a laptop and/or tablet. If wishing to participate in the Landowner Workshop virtually, please reach out to the District ([officeadmin@cawelowd.org](mailto:officeadmin@cawelowd.org)) to obtain the virtual meeting information. The virtual meeting information will also be posted on the District website ([www.cawelowd.org](http://www.cawelowd.org)) when available.

If you have any questions, please contact the District at [officeadmin@cawelowd.org](mailto:officeadmin@cawelowd.org) or (661) 393-6072.

Sincerely,

Dave Halopoff  
Assistant General Manager



# DAILY ET & IRRIGATION MANAGEMENT TOOL

Land IQ has been providing field-by-field monthly evapotranspiration (ET) and precipitation results to irrigation districts (Districts) and Groundwater Sustainability Agencies (GSAs) since 2016. This tool takes ET and precipitation to the daily timestep, providing results in 1-2 days, allowing growers to better manage their water.

## GROWER PORTAL

- Claim fields
- Assign an entity for viewing (Farm Manager or Landowner)
- View claimed fields only
- Track water use against a user-defined target or allocation
- Download daily ET and precipitation by field

## ENTITY ACCESS

- View only assigned fields
- Track water use against the grower defined target or allocation
- Download daily ET and precipitation

## ADMINISTRATOR PORTAL

- View all claimed fields
- View field-level data
- Track number of claimed fields
- Track District/GSA water use
- Download daily ET and precipitation

## WHAT

All the inputs that make the monthly, 30-day ET deliverable reliable, drive the daily ET tool as well. These inputs include:

- a data driven approach
- use of ground station data
- modeling at the field-level
- use of multiple remotely sensed images
- incorporation of agronomic variables

## MONTHLY RESULTS

For consistency, the results of this daily product will match the proven results of the monthly, 30-day ET results that are currently provided to nearly 40 GSAs and Districts.

## ACCESS

The grower only has access to the results of their fields, while the administrator-level has access to all fields and is provided with area-wide (e.g., GSA, Districts, or similar entity) summaries of accumulated consumption, precipitation, grower participation, crop type, field-level results, etc.

GROWER LEVEL ACCESS

- Claim fields
- Assign an entity for viewing (i.e. Farm Manager or Landowner)
- View claimed fields only
- Track water use against a user-defined target or allocation
- Download daily ET and precipitation by field



ENTITY LEVEL ACCESS

Provide landowners or farm manager level users access to assigned fields where they may view and download data by identifying an entity level user.

Claim a Field:

County: Kern

Acres: 8.8

District: Cawelo Water District GSA

Claimed: false

Temp Field Id: 85803

ADD

Enter Crop Specific Details:

Claim a New Field

Field Name

Name the Field

Entity Name (Optional)

Name the Field

Total Target Water

0

Target Type

ET

Water Unit

Feet

Crop 1

Alfalfa

Primary Irrigation Method

Drip

Start Date

mm/dd/yyyy

End Date

mm/dd/yyyy

Crop 2

None

Primary Irrigation Method

None

Start Date

mm/dd/yyyy

End Date

mm/dd/yyyy

Crop 3

None

Primary Irrigation Method

None

Start Date

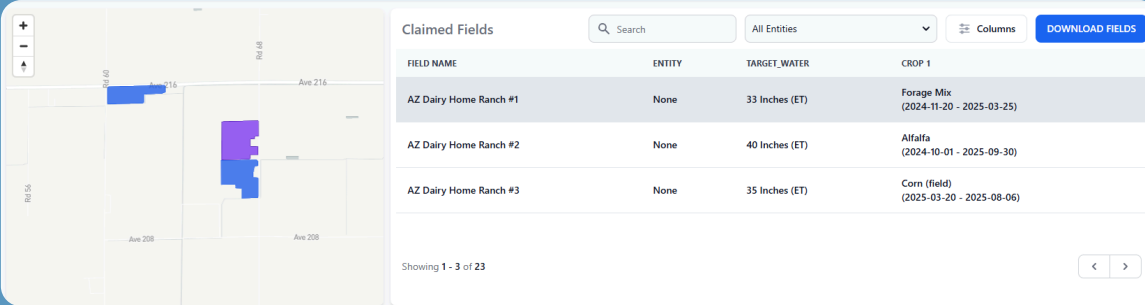
mm/dd/yyyy

End Date

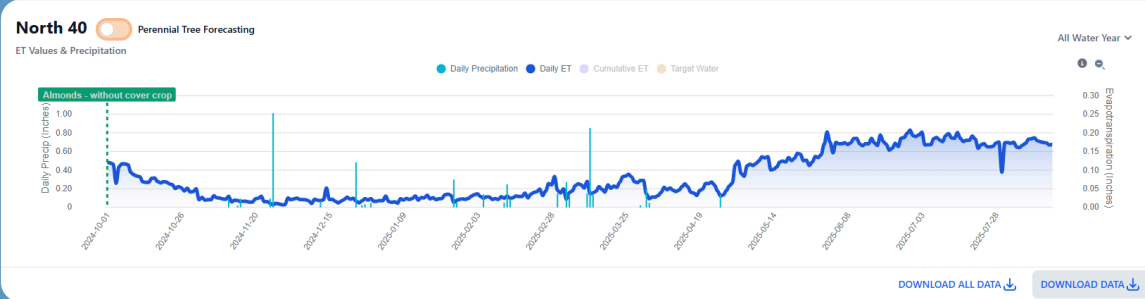
mm/dd/yyyy

SUBMIT

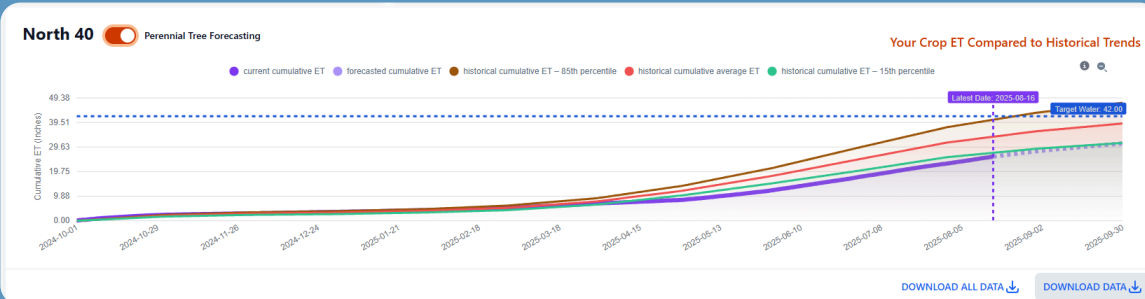
View all claimed fields in spatial and tabular form:



View and download field-level daily ET and precipitation:



Track field-level water use against a user defined target or historical trends:



- View all claimed fields
- View field-level data
- Track number of claimed fields
- Track District/GSA water use
- Download daily ET and precipitation

