



Non-Irrigated Field Evapotranspiration Adjustment Application

October 2022 - September 2023

Application purpose

The Mid-Kaweah Groundwater Sustainability Agency's (MKGSA) "Non-Irrigated Field Evapotranspiration Adjustment Application" applies to temporarily non-irrigated agricultural land to fix evapotranspiration readings to "0" during specified non-irrigated months. This application applies only to the 2023 Water Year (October 2022 - September 2023) and does not apply to un-irrigated ground permanently out of production.

Motive for the policy

The MKGSA receives monthly data from LandIQ, a geospatial and agronomic firm specializing in evapotranspiration (ET) data products calibrated specifically for the Southern San Joaquin Valley. While LandIQ consistently achieves ET data accuracy within 5-8% for irrigated crops (based on LandIQ's 110 eddy covariance stations measuring ET on representative crops & soil types), un-irrigated fields have remained relatively unstudied until GSA's began groundwater allocations in Fall 2021. Therefore, the MKGSA Board deemed the most suitable method for un-irrigated fields was to set the value to "0" until further studies and validation confirm the set standards by the MKGSA. The MKGSA Board however will require landowners/operators to submit an application such that the MKGSA staff can verify that the un-irrigated ground should be set to a value of "0".

How the application works

This application is intended to be filled out before a field is recognized by the MKGSA as non-irrigated and updated in the Water Dashboard, but will be accepted for past non-irrigated events before the billing season. By filling out this application, you are committing to applying no groundwater or surface water on the field for the months specified for a minimum of 6 consecutive months. The MKGSA acknowledges this practice by overriding LandIQ's data, and the MKGSA will manually set the ET value to effective precipitation (80% of total precipitation as measured by Land IQ). By doing so, all assessed acres enrolled in this application will have the full 2.5 acre-feet/acre available for the 2022 water year, or the availability of credits to roll over in 2023 (100% of unused groundwater credits in the 2022 water year roll over for up to 5 years). There are two methods to enroll acreage

1. **Enroll acreage using Water Dashboard ID numbers.** Proceed to page 2 to fill out the application (a paper-free version will also be available on the Water Dashboard before September 2023)
2. **Make an appointment at the MKGSA office.** Schedule an appointment to confirm the parcel, field boundaries, and timeframes ground will remain unirrigated. You may schedule by calling the Tulare Irrigation District Office (559-686-3425) or email (jmf@tulareid.org).

Applications are accepted and updated on the Water Dashboard on a rolling basis. Applications will not be accepted after August 31st, 2023

Landowner / Lessee Information

By checking this box, you agree not to irrigate the specified parcels un-irrigated at least 6 consecutive calendar months. The MKGSA reserves the right to investigate un-irrigated fields with high ET readings.

Water Dashboard Account-Holder Printed Name (Landowner / Lessee)

Date

Water Dashboard Account-Holder's Signature (Landowner / Lessee)

Water Dashboard
Account Number
(example: WA0000269)

Parcel Information

Water Dashboard Field ID ^a	Field acreage un-irrigated [acres]	Un-irrigated months ^b	9-digit APN(s) containing that field

^aIf a portion of an existing Water Dashboard field will be un-irrigated, create a new boundary in the Water Dashboard with a support ticket.

^bEnter the calendar months without an irrigation. Partial un-irrigated months do not count. Minimum 6-consecutive months.

For MKGSA Office Use

Checklist	Staff initials	Date	Approved (Y/N)
Verify ET readings via LandIQ			
Apply "0" to Water Dashboard field			
Bill Adjustment (if necessary)			
Application Status Accepted			