2023 THE ALMOND CONFERENCE Connecting the Dots

1 States

GROWERS // HANDLERS // CUSTOMERS // CONSUMERS

Grower Breakfast Session: Understanding Funding Opportunities

Moderator: Jesse Roseman (ABC)

Speakers: Kelli Evans (Evans Farming), Caddie Bergren (UC ANR), Aaron Fukuda (Tulare Irrigation District), Roger Isom (Western Agricultural Processors Association), Jesse Bahm (NRCS)

Speakers

GROWER BREAKFAST SESSION: UNDERSTANDING FUNDING OPPORTUNITIES

Moderator: Jesse Roseman, ABC

Kelli Evans, Evans Farming Caddie Bergren, UC ANR Climate Smart Agriculture Program

Aaron Fukuda, Tulare Irrigation District

Roger Isom, Western Agricultural Processors Association

Jesse Bahm, Natural Resources Conservation Service

Direct Government Grants (+ assistance)

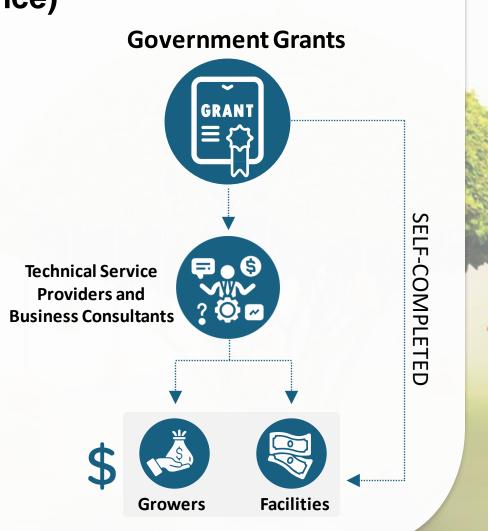
Growers (potentially with TSP or Consultant support) apply to Federal and State Grants

Examples:

- *CDFA:* SWEEP, Healthy Soils Program (HSP), Conservation Ag Planning Grants, Pollinator Habitat
- *NRCS:* Environmental Quality Inceptives Program (EQIP), Conservation Stewardship Program (CSP)
- San Joaquin Valley Air Pollution Control District: Low Dust
 Nut Harvester Replacement Program
- Business Consultants: Hortau, NewGen Energy
- Technical Service Providers: UC ANR Climate Smart Ag
 Program

Considerations:

- Available throughout almond growing region (except for SJV Air District funding)
- Can be multiple agencies and programs for the same practice (e.g., Whole Orchard Recycling, Low-dust harvesters, irrigation changes)
- Application details and requirements vary by practice and agency
- Experts are available to assist growers with applications



FIND MORE GRANT INFORMATION AT ALMONDS.COM/INCENTIVES

Government Grants Pass-through 3rd Party

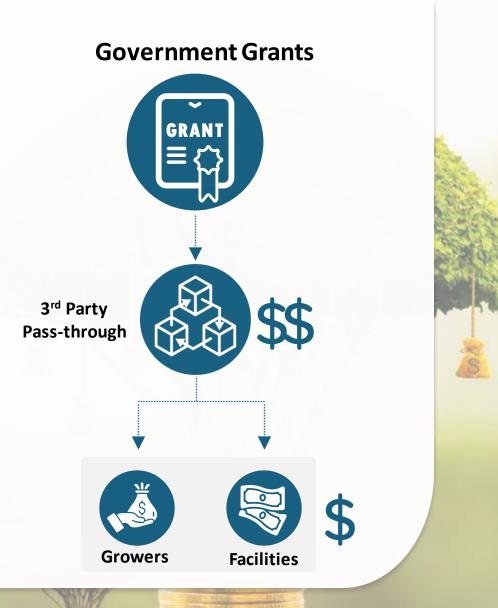
3rd party receives Federal and/or State Block Grants, which they pass-through to growers and facilities

Examples:

- Pollinator Alliance (Great Valley Seeds and Almond Alliance)
- Partnerships for Climate-Smart Commodities Grant/ CCC (Blue Diamond Growers)
- NRCS Regional Conservation Partnership Program (American Farmland Trust, Pollinator Partnership)

Considerations:

- Available in distinct counties, regions, specific organizations, focused recipients
- Multiple agencies offering the same or similar programs and practices (e.g., Pollinator Habitat, Healthy Soils)
- Application details and requirements may vary by 3rd Party
- Same organization can assist growers with applications and provide funding



FIND MORE GRANT INFORMATION AT ALMONDS.COM/INCENTIVES

Incentive and Grower Support Zone

THIS IS THE PLACE TO LEARN ABOUT GOVERNMENT INCENTIVES AND OTHER FORMS OF SUPPORT. THESE ORGANIZATIONS ARE IN THE ZONE (OUTSIDE THE PLENARY HALL) AND EXPO HALL:

- American Farmland Trust
- California Association of Resource Conservation
 Districts
- California Department of Food and Agriculture Office of Environmental Farming and Innovation
- California Department of Food and Agriculture's Fertilizer Research and Education Program (FREP)
- California Department of Pesticide Regulation
- California Department of Water Resources California Irrigation Management Information System (CIMIS)
- East Stanislaus Resource Conservation District
- Glenn County Resource Conservation District
- Madera/Chowchilla Resource Conservation District









DURCE CONSERVATION DISTRIC

DISTRIC





- North West Kern Resource Conservation District
- Pollinator Alliance and Great Valley Seed Company
- RCD of Tehama County/Northern Sacramento Valley Mobile Irrigation Lab
- San Joaquin Valley Air Pollution Control District
- Sutter County Resource Conservation District
- University of California Agricultural and Natural Resources
- University of California Agriculture and Natural Resources/Climate-Smart Agriculture Program
- USDA California Farm Service Agency
- Yolo County RCD/Sutter-Yolo Mobile Irrigation Lab





San Joaquin Valley

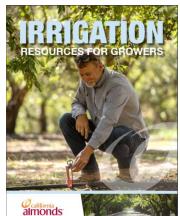


UNIVERSITY OF CALIFORNIA Agriculture and Natural Resources California Institute for Water Resources

UNIVERSITY OF CALIFORNIA Agriculture and Natural Resources









Conservation Pest Management System

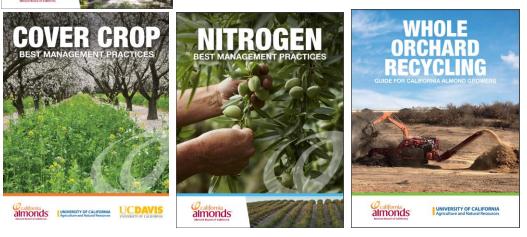


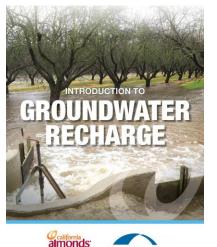


UC IPM Pest Management Guidelines - ALMON

Documentation for use of Integrated Pest Management (IPM) Program including Mating Disruption for Navel Orangeworm (NOW) Control in Almonds

> All guidance based on University of California Integrated Pest Management Program Guidance







ABC Grower Resources

SEE INCENTIVE ZONE GUIDANCE IN TWO PAGER.

MANY FUNDABLE PRACTICES ALSO HAVE AN ABC GUIDE.

California almonds*

Incentive and Grower Support Zone Key

| | Disaster Relief | Dust Reduction | Energy | Easements | | Groundwater Recharge | Irrigation System | Pollinator Habitat | Soil Health | Water Quality | IPM |
|---|--------------------|-------------------|--------|-----------|---|-------------------------|----------------------|-----------------------|-------------|------------------|-----|
| American Farmland Trust | | | | x | | x | х | x | x | x | |
| Dept. of Pesticide Regulation | | | | | | | | | | x | x |
| DWR CIMIS | | | | | | Х | х | | | | |
| Mobile Irrigation Lab | | | x | | | | х | | | x | |
| San Joaquin and Sacramento Valley Resource Conservation Districts | | | | x | | x | x | x | × | x | |
| Pollinator Alliance | | | | | | x | | x | х | | |
| USDA Farm Service Agency | x | | | | | | | | | | |
| UCANR Climate Smart Agriculture Program | | | | | | х | х | x | х | x | |
| UCANR and CDFA FREP | | | | | | | х | | х | x | |
| CDFA | | | | | | | х | x | х | х | |
| San Joaquin Valley Air Pollution Control District | | x | x | | x | | | | x | | |

Questions?

WRITE YOUR QUESTION, HOLD IT UP AND HAND THEM TO ABC STAFF.





KELLI EVANS

Evans Farming & Evans Ag Consulting





BACKGROUND

- Farming for over 17 years
- Evans Ag Consulting CEO
- Evans Farming CFO
- Almond Board of California Director
- Blue Diamond Growers Liaison Committee
- Almond Alliance Grower Committee



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Equipment Upgrades Accepting New Clients Cover Crops ccepting New Clients Compost Accepting New Clients Subject to Location

Programs That We Specialize In

¥ =



Conservation Cover Accepting New Clients





Water Bird Programs Accepting New Clients



 $\leftarrow \rightarrow C$

Solar Projects Waitlist Open



Battery Storage Accepting New Clien



Low Dust Harvester Accepting New Clients



Whole Orchard Recyling Accepting New Clients



Truck Upgrades Accepting New Clients



CONTACT



Email: office@evansagconsulting.com

Website: evansagconsulting.com

Phone: (530) 682-4784



@franceskellie



@kelli-evans-25a9271b5

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Veral 1

CDFA Climate-Smart Incentives: SWEEP and Healthy Soils



CDFA Incentives Programs



HEALTHY SOILS PROGRAM



STATE WATER EFFICIENCY AND ENHANCEMENT PROGRAM (SWEEP)



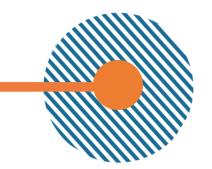
Healthy Soils Program

Duration: 3 years Max grant award: \$200,000

Includes practices such as:

- Compost Application
- Cover Cropping
- Hedgerows
- Whole Orchard Recycling
- Low/No-till
- Nutrient Management





Healthy Soils Program:

How does the grant work?

Online application, opening January 2023 First come, first serve funding

Flat rate reimbursement for each practice, eg:

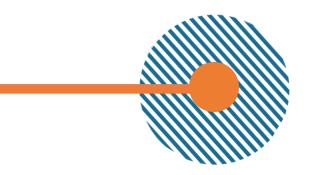
- \$64/ton for Compost (can be bought or made on-farm)
- \$150/acre Cover cropping
- \$12/ft Hedgerow
- \$860/acre Whole orchard recycling

Must take yearly organic matter sample Yearly photo verification sent to CDFA









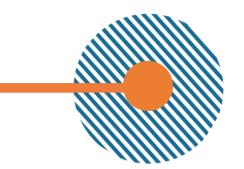
SWEEP Program

Application window open now!Max grant award: \$200,000Project must save water AND energy.

Examples:

- Flood to drip/micro conversion
- Replace old pumps
- VFDs
- Solar panels
- Soil moisture sensors/ weather stations





SWEEP Program

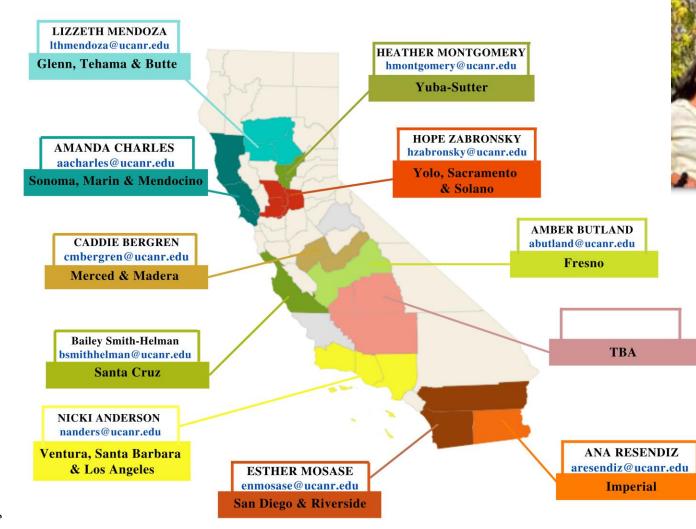
What do I need to apply?



- Recent pump efficiency test(s)
 Twelve consecutive months energy records for pumps (electric bills or diesel receipts)
- 3. Quotes/bids from vendors



Climate-Smart Agriculture team at University of California Cooperative Extension









Tulare Irrigation District Disincentives that can be Incentives

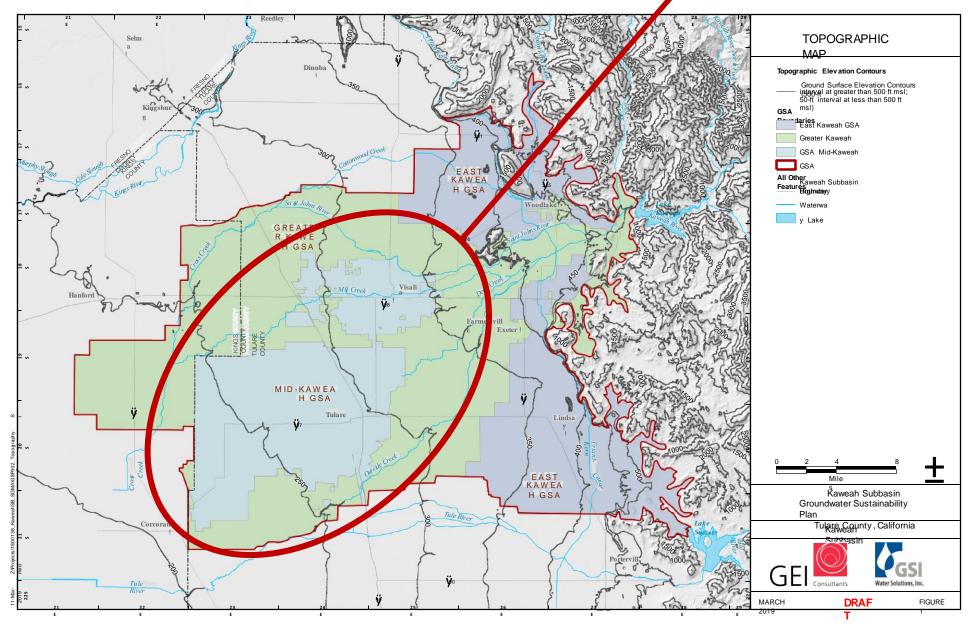


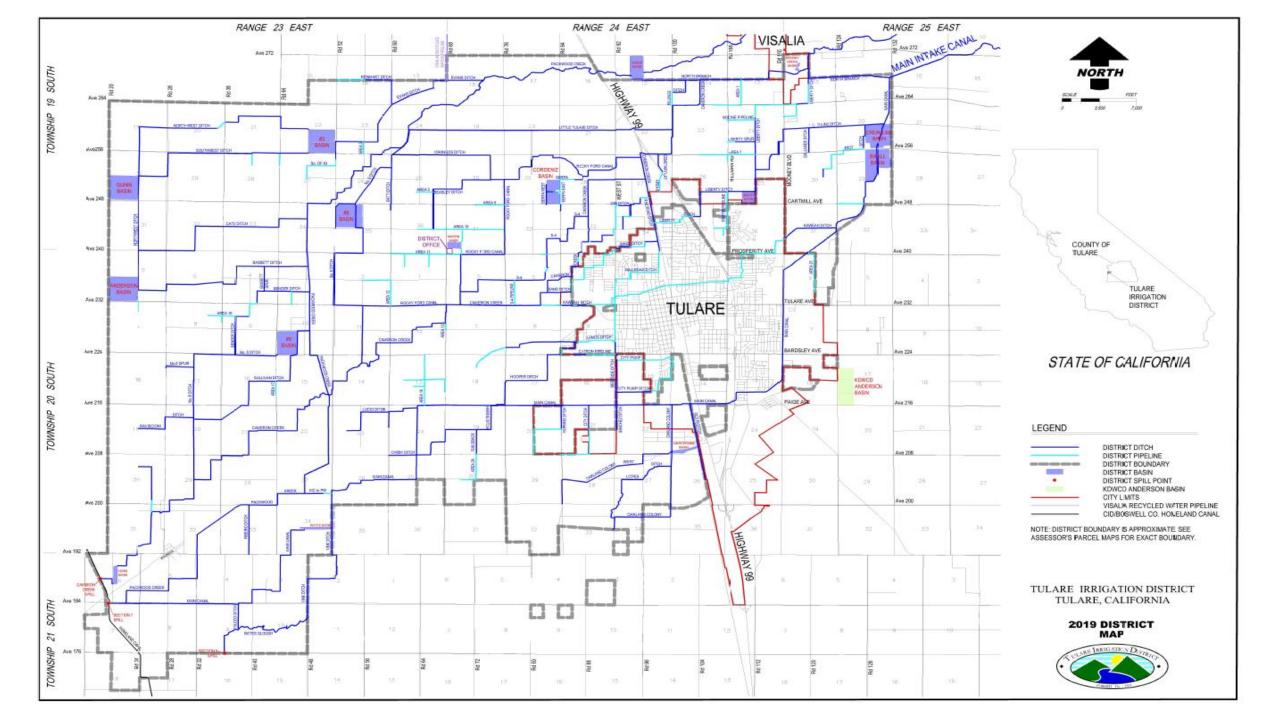


Aaron Fukuda akf@tulareid.org 559-707-8928: Mobile 559-686-3425: Office

Kaweah Sub Basin

Mid-Kaweah GSA





The Story Begins

SGMA Compliance on The Ground in <u>2022</u>

We are here to help;

We are going to allocate;

We are going to restrict; and

We are going to charge

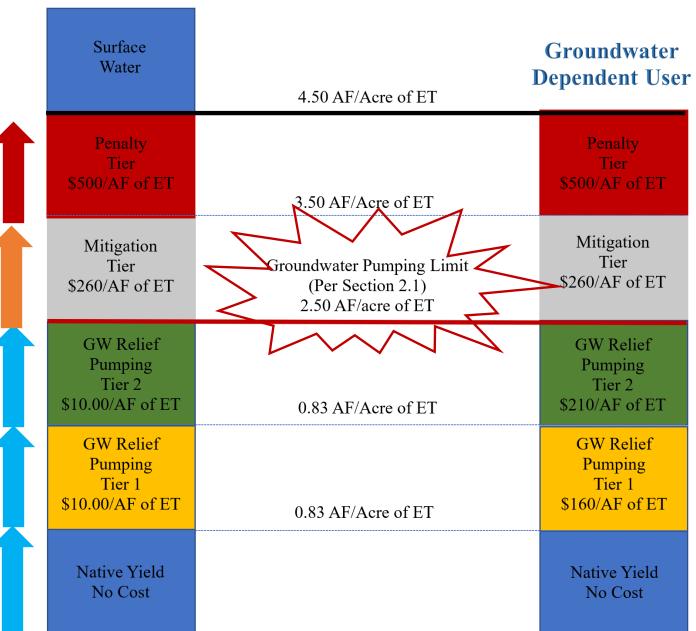
You for GROUNDWATER.

MKGSA Emergency Ordinance



Emergency Ordinance -Groundwater Pumping Limit

- Pumping Limit ("Cap"): 2.5 AF/acre as ET
 - Native Yield 10"
 - Relief Pumping Tier 1 10"
 - Relief Pumping Tier 2 10"
 - Costs: Service Fees and Replacement Fees
- Mitigation Tier 1 AF/Acre
 - Allows for buffer as we begin the program
 - Pricing based upon cost to replace water
- Penalty Tier 1 AF/Acre
 - High Penalty Fees
 - Loss of future water allocation on a 1:1 ratio



Surface Water User

Water Dashboard – Online Allocation/Usage Tool

SSA Water Dashboard

Shared View Dashboard

WD1779

Tulare Irrigation District Aaron Fuku

WA000027: Tulare Irrigation District V

P.O. Box 1920 Tulare, CA 93275

Aaron Fukuda · 5596863425 · akf@tulareid.org

| Water Account Summary Table | | | | | | | | | Definitions |
|--------------------------------------|---|---|---|--|--|--|--|--|---|
| | | | | | | | | | |
| | | | 2-9987 if you have any questions. | | | | | | |
| Groundwater Sustainability Agency | Billing Period | Billing Usage to Date | Water Supply | Usage to Date Land IQ ET Oct 2021 - August 2022 | | Last Year's Usage Land IQ ET Oct 2020 - Sept 2021 | | Parcel Acres | Field Acres |
| Mid-Kaweah GSA | May 22 - Sep 22 | 5.3 AF | 251.15 AF | 29.23 AF | 0.52 AF/field ac | 28.66 AF | 0.51 AF/field ac | 100.37 | 56.76 |
| Greater Kaweah GSA | N/A | N/A | N/A | 0.02 AF | 0.00 AF/field ac | 0.09 AF | 0.00 AF/field ac | 693.93 | 0.00 |
| | East Kaweah GSA Emergency Groundwater Allocation Poli Greater Kaweah GSA approved Rules and Regulations sett Groundwater Sustainability Agency Mid-Kaweah GSA | Greater Kaweah GSA approved Rules and Regulations setting a groundwater pumping cap for water year 2023 or Groundwater Sustainability Agency Mid-Kaweah GSA | East Kaweah GSA Emergency Groundwater Allocation Policy is effective retroactively from October 1, 2021, through September 30, 2022. Greater Kaweah GSA approved Rules and Regulations setting a groundwater pumping cap for water year 2023 on September 27th, 2022. Call (559)302. Groundwater Sustainability Billing Period Billing Usage Agency May 22 - Sep 22 53 AF | Mid-Kaweah GSA Emergency Groundwater Extraction Ordinance is in effect as of May 1, 2022. East Kaweah GSA Emergency Groundwater Allocation Policy is effective retroactively from October 1, 2021, through September 30, 2022. Groundwater Satanability Groundwater Sustainability Billing Period Billing Usage Water Supply Mid-Kaweah GSA May 22 - Sep 22 5.3 AF 251.15 AF | Mid-Kaweah GSA Emergency Groundwater Extraction Ordinance is in effect as of May 1, 2022. East Kaweah GSA Emergency Groundwater Allocation Policy is effective retroactively from October 1, 2021, through September 30, 2022 Groundwater Allocation September 2023 on September 27th, 2022 Call (559)302-9987 if you have any questions. Groundwater Sustainability Billing Period Billing Usage Water Supply Land 10 Groundwater Mid-Kaweah GSA May 22 - Sep 22 53 AF 251.15 AF 29.23 AF | Mid-Kaweah GSA Emergency Groundwater Extraction Ordinance is in Floct as of May 1, 2021. East Kaweah GSA Emergency Groundwater Allocation Policy is effective retroactively from October 1, 2021, through September 30, 2022. Groundwater Allocation Policy is effective retroactively from October 1, 2021, through September 27th, 2022 Call (559)302-9987 if you have any questions. Groundwater Sustainability Billing Period Billing Usage Water Supply Usage to Date Mid-Kaweah GSA May 22 - Sep 22 5.3 AF 251.15 AF 29.23 AF 0.52 AF/field ac | Mid-Kaweah GSA Emergency Groundwater Extraction Ordinance is in Flect as of May 1, 2022. East Kaweah GSA Emergency Groundwater Allocation Policy is effective retroactively from October 1, 2021, through September 30, 2022. Great Case and Case an | Mid-Kaweah GSA Emergency Groundwater Extraction Ordinance is no May 1,202. East Kaweah GSA Emergency Groundwater Allocation Policy is effective retroactively from October 1, 2021, through September 30, 2022 Call (559)302-9987 if you have any questions. Groundwater Sustainability Billing Period Billing Usage Water Supply Usage to Date Land IQ ET Oct 2021 - August 2022 Land IQ ET Oct 2020 - Sept 2021 Mid-Kaweah GSA May 22 - Sep 22 S3 AF 251.15 AF 29.23 AF 0.52 AF/field ac 28.66 AF 0.51 AF/field ac | Nick-Kaweedh GSA Emergency Groundwater Extraction Ordinance is in effect as of May 1, 2022. East Kaweedh GSA Emergency Groundwater Allocation Policy is effective retroactively from October 1, 2021, througe September 30, 2022. Groundwater Allocation Policy is effective retroactively from October 1, 2021, througe September 30, 2022. Groundwater Allocation Policy is effective retroactively from October 1, 2021, througe September 30, 2022. Groundwater Allocation Policy is effective retroactively from October 1, 2021, througe September 27th, 2022. Call (S59)302-9987 if you have any questions. September 27th 2022. Call (S59)302-9987 if you have any questions. Groundwater Sustainability Agency Billing Period Billing Usage to Date to Date (S0 Policy Land I) CT Oct 2021 - August 2022. September 27th 2022. Call (S59)302-9987 if you have any questions. Mid-Kaweah GSA May 22 - Sep 22 S3 AF 25115 AF 2923 AF O.52 AF/field ac 28.66 AF 0.51 AF/field ac 100.37 |

| Water Supply Summary Table | | Definitions | WA0000027: Tulare Irrigation District Field & APN Map | |
|--|----------------|-------------------------|---|--|
| а ж | MKGSA 2022 (M | May 22 - Aug 22) | + | • Satellite |
| Total Water supply | | 251.15 AF | - 562 | O Street |
| + Precipitation | | 0.23 AF | 1 4 | Оторо |
| Precipitation Credit 80% of total precipitation for (May 22 - Aug 22) | | 0.23 AF | A IL | Z APNS |
| + Surface Water Deliveries | | Not Currently Available | | |
| + Groundwater Allocations (2.5 AF/Ac.) | | 250.93 AF | and the second se | |
| Native SW: 0.84 AF/parcel ac | \$0/AF | SW: 84.31 AF | Sec. 10 | |
| Tier 1 SW: 0.83 AF/parcel ac | \$10/AF | SW: 83.31 AF | 1000 | |
| Tier 2 SW: 0.83 AF/parcel ac | \$10/AF | SW: 83.31 AF | 1 hours | A TRANSPORT |
| Mitigation Tier \$260/AF | | More Information | 18.35 | |
| Penalty Tier \$500/AF | | More Information | | |
| + Groundwater Credits | | TBD | | Dabiotawaab 655 Swall East Cell Greater Kaweah GSA |
| + Recharge and Banking Credits and Debits | | TBD | | |
| + Prohibited Tier 3 Groundwater Pumping | | | Contract Contract | |
| Dairy Operations | | Not Currently Available | | |

Getting

Contact Us Roadmap





Swall/Creamline Basin (265 Acres)

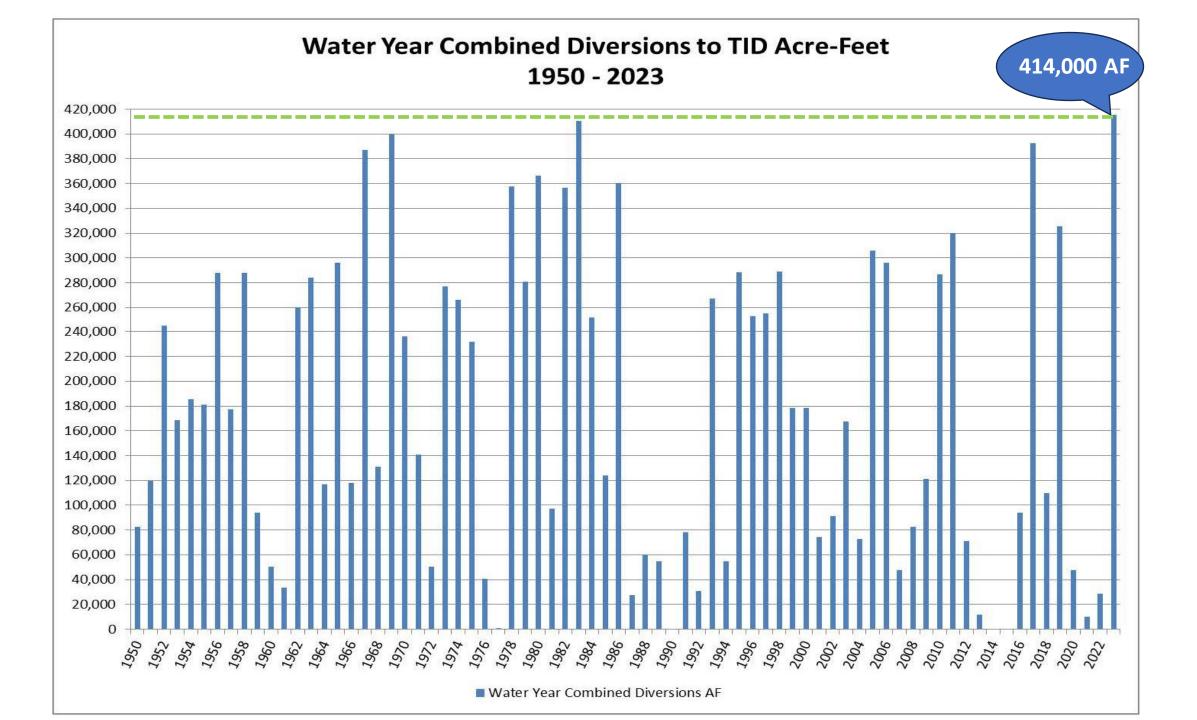


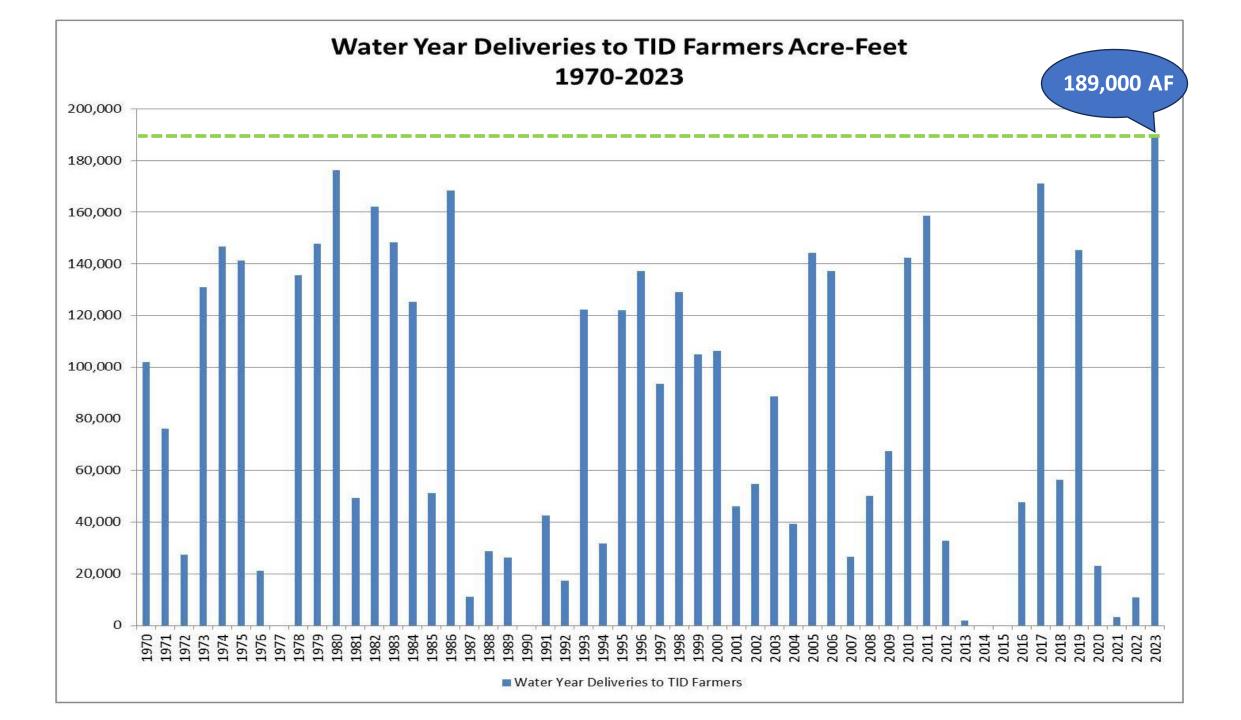
Martin Basin (27 acres)

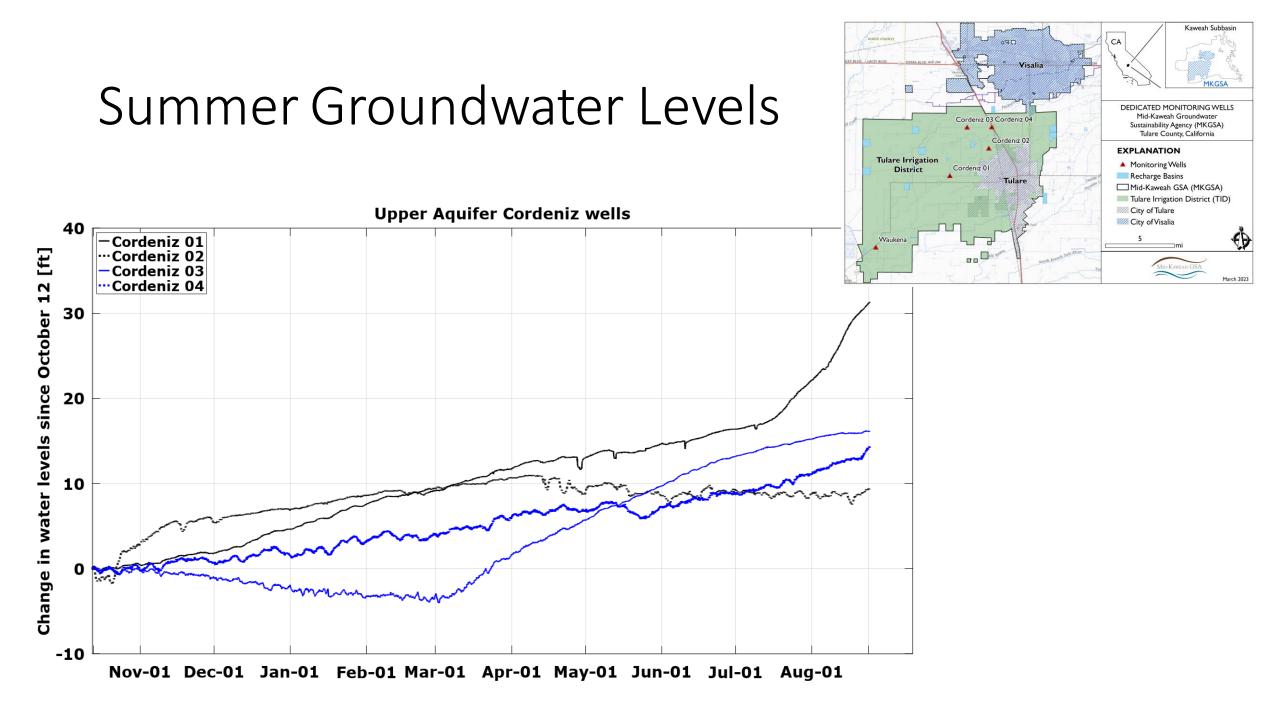
Recharge Basins



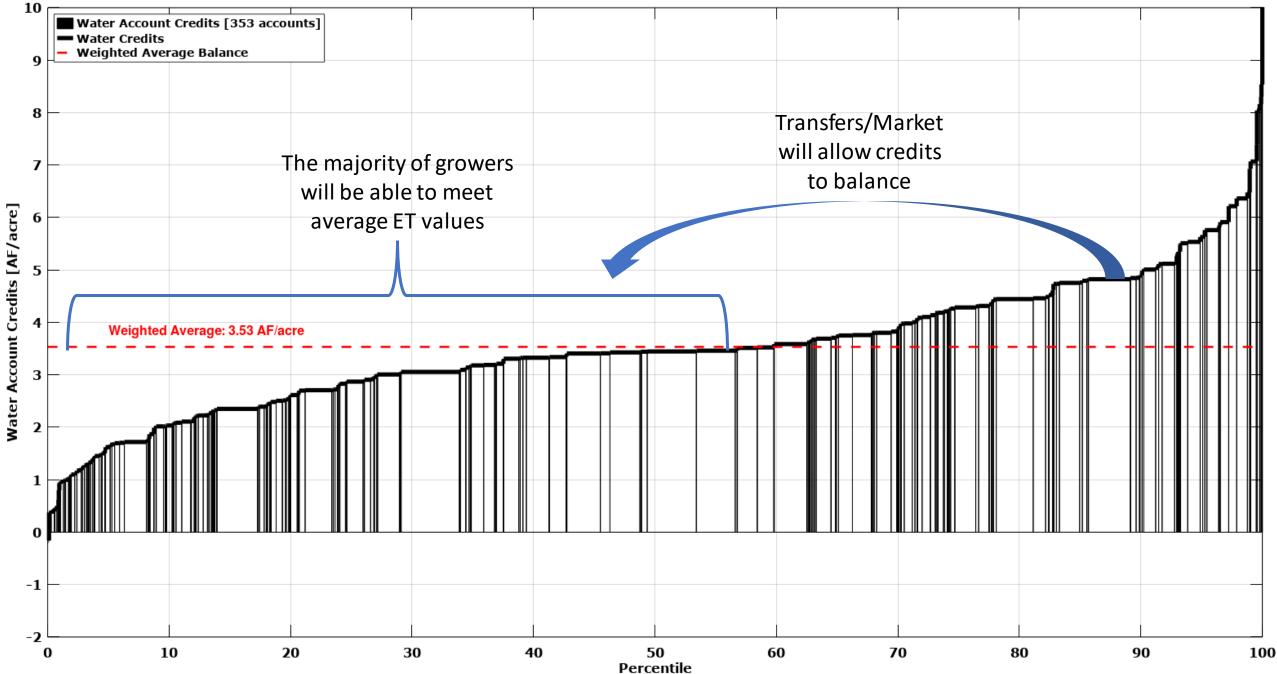
Winter Irrigation Recharge







MKGSA Water Dashboard Credits(Extrapolated to September 30, 2023)





Aaron Fukuda – Tulare Irrigation District

(559) 686-3425

akf@tulareid.org

www.tulareid.org

Thank You

2023 THE ALMOND CONFERENCE Connecting the Dots

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Air Pollution Incentives

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SJVAPCD Incentives

- Low Dust Harvesters
- Shaker/Sweeper Combination Units
- Ag Tractors
- Ag Pumps
- Zero Emission Ag UTVs
- Ag Burn Alternatives

Low Dust Harvesters

- 50% of eligible equipment costs up to \$150,000
- 75% of eligible equipment costs w/ no cap if within Shafter 7 mile radius CERP Boundary

Ag Irrigation Pumps

Diesel to Diesel - 85%
Fuel to Electric – 85% + line extension fees

Ag Tractors

- Small (< 100 ac.) 80% of eligible costs
- Medium (101-500 ac) 70% of eligible costs
- Large (> 500 ac) see table next
- Zero emission 80% of costs incl. charger & battery

Ag Tractors - Large

| Size | Incentive |
|-------------|-----------|
| 25 – 74 hp | \$450/hp |
| 75 – 149 hp | \$575/hp |
| > 150 hp | 725/hp |

Zero Emission UTVs

• 75% of eligible equipment costs up to \$13,500

Ag Burn Alternatives

- One time \$180 million state grant
 - \$30 million for equipment
 - \$150 million for chipping & incorporation
- Money will run out in 2024
 - Looking for more!

Ag Burn Alternatives

\///////

| Project Type | Incentive |
|--|--------------|
| Chipping w/ incorporation | \$600/acre |
| Chipping w/o incorp. | \$300/acre |
| Air Curtain Burner | \$1,000/acre |
| Off-site beneficial reuse | \$600/acre |
| Add \$400/acre for farms < 100 acres total | |



United States Department of Agriculture

December 6, 2023 – Almond Board Conference



NRCS Programs and Practices

Jesse Bahm State Air Quality Specialist USDA NRCS - California





NRCS Financial Assistance

Environmental Quality Incentives Program

Conservation Stewardship Program Regional Conservation Partnership Program

EQIP is NRCS' flagship conservation program that helps farmers, ranchers and forest landowners integrate conservation into working lands. CSP helps landowners build on their existing conservation efforts while strengthening their operation. RCPP is a partner-driven approach to conservation that funds solutions to natural resource challenges on agricultural land.

Inflation Reduction Act (IRA)

* Not a New Program – Expanded Funding to Help Meet Unmet Demands

Historical Investment - \$19.5 billion Nationally

Climate Smart Focus – GHG and Carbon Sequestration

Seamless Implementation – Existing Programs

Accelerate Conservation – CSP Opportunities

IRA California Investment 2023-2026

Doubles conservation funds available across four years

\$213 million - Environmental Quality Incentives Program
\$55 million - Conservation Stewardship Program
\$16 million - Regional Conservation Partnership Program*
\$92 million - Conservation Technical Assistance Program



Agricultural Conservation Easement Program (ACEP)

Agricultural Conservation Easement Program (ACEP)

- Protects the agricultural viability and related conservation values of eligible land by limiting nonagricultural uses which negatively affect agricultural uses and conservation values, protect grazing uses and related conservation values by restoring or conserving eligible grazing land, and protecting and restoring and enhancing wetlands on eligible land.
 - Agricultural Land Easements (ALE) protect croplands and grasslands on working farms and ranches by limiting non-ag uses.
 - Wetland Reserve Easement (WRE) help private and tribal landowners protect, restore and enhance wetlands which have been previously degraded due to agricultural uses.

Conservation Assistance for Almond Growers



Top 5 Conservation Practices

Microirrigation (Practice 441)

Irrigation Water Management

(Practice 449)

Cover Crops (Practice 340)

Pest Management (Practice 595)

Mulching (Practice 484)



Conservation Assistance for Almond Growers



NRCS Conservation Planners are trained to help you identify conservation practices to support both your conservation objectives and your bottom line. Working together with an NRCS Conservation Planner, you can create a Conservation Plan that tackles your management objectives. There are several different types of assistance and programs available to support implementation of your plan. The Conservation Planner will help locate those that best fit your needs.

You're a good fit for an application if, for example, you want to:

- Add mating disruption to your Naval Orange Worm (NOW) control program
- Increase the precision of your nutrient or pesticide applications ≻
- ≻ Reduce herbicide use by using mulch for weed control
- Optimize irrigation scheduling with increased soil moisture monitoring and ≻ automation
- ≻ Evaluate your pump and irrigation system to ensure they are working optimally
- Explore low dust harvesters and road dust control to meet dust reduction goals ≻
- Reduce emissions with a cleaner running tractor ≻
- ≻ Chip orchard waste
- Add cover crops to your orchard
- ≻ Increase pollinator and beneficial insect benefits in your orchards

Financial assistance is available for eligible applicants

NRCS offers two great programs to help farmers achieve and maintain their stewardship goals. NRCS conservation planners will help producers decide which program works best for their goals and operation. The Environmental Quality Incentives Program (EQIP) is a voluntary program that shares with participants the cost of planning and installing conservation practices. The Conservation Stewardship Program (CSP) offers additional opportunities for those already meeting a baseline level of stewardship. You may apply at any time of the year for either program. Eligible projects will be evaluated, prioritized and selected for funding as budget allows.

Farm Services Agency (FSA) colleagues assist to review eligibility for financial assistance as the ability to use NRCS programs involves income limits. They will need the following information:

- Location of the property (APN number/map)
- Copy of your current deed or signed lease
- *AD-2047 Customer Data Worksheet -- basic information to establish a record
- If applying as an entity the following also needed
 - Proof of signature authority (LLC documents, Minutes of Corporation, etc.)
 - *CCC-901 Members Information
- Proof of identification of individual and/or entity members (photo ID such as driver's license)
- *CCC-941 Average Adjusted Gross Income Certification (for entity & members) (AGI averaged over three tax years prior to application of \$900,000 or less is eligible.)
- Form *AD-1026 Highly Erodible Land/Wetland Certification

Helpful Hints:

- If you are already enrolled in other USDA programs (e.g. crop insurance, loan programs, past NRCS work, COVID related relief, etc.) your eligibility review is likely simple and quick.
- Sharing documentation of conservation achievements as tracked by the California Almond Sustainability Program (CASP) may help make additional opportunities available, especially for CSP.

USDA IS AN EQUAL OPPORTUNITY PROVIDER, LENDER AND EMPLOYER

Natural Resources Conservation Service Service Areas and Office Locations



Blythe

for financial assistance for eligible growers. APPLICATION DEADLINES November 3, 2023 - EQIP-Classic, EOIP-CIC February 16, 2024 - EQIP-IRA, EOIP-NAOI

*FSA and NRCS will provide these

forms and assist in completing

them. See them at this link if you

want to see more detail about

what they ask, note, you have to

scrall to the bottom.

https://www.farmers.gov/recover

Submit an application at any

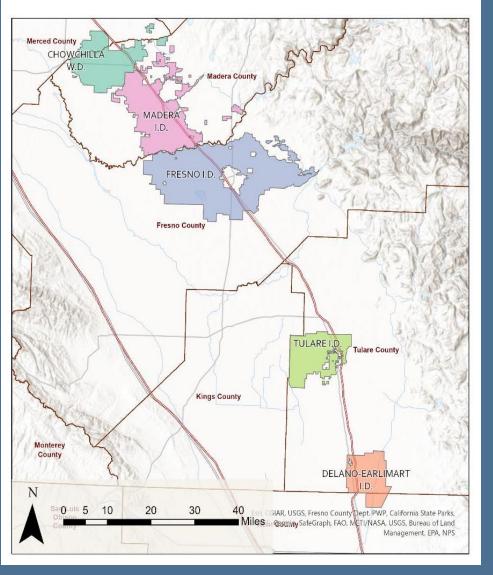
time.

There are multiple review

deadlines throughout the year

United States Department of Agriculture

USDA-NRCS Recharge Pilot



Groundwater Recharge Interim Practice Options

Recharge trench or basin

 Permanent feature (15 years) land dedicated to recharge



On-farm recharge

• Management practice in tandem with agriculture



Plans can include supporting practices like:

Basin or Trench

- Structures for Water Control
 - -Inlets, outlets
 - -Flow meters
- Pre-treatment of water
 - -Sediment basin
 - –Coagulants (PAM)
 - -Denitrifying Bioreactor

On-Farm Recharge

- Water conveyance
 - -Pipeline
 - -Field ditch
 - -Pump
- Water control
 - -Diversion/Dike
- Land shaping



These are conservation practices that can be paid for as part of an EQIP contract!

(595) Precision Pest Control/IPM ApplicationPhoto ID or sonar sensor technologies with IPM plan for single target pest per UC guidelines

 Pest Mgt, Precision Ag \$58.71/acre Resource Concerns: Ozone and PM from reduced drift



(373) Dust control on unpaved roads and surface areas

- Lignin derivatives: \$0.38/square foot
- Road oils (SC-250 or SC-800): \$0.23/sq. ft.
- Polymers emulsions: \$0.23/square foot
- Resource Concern: PM



376 – Field Operations Emissions Reductions

(376) Field Operations Emissions Reductions Processing woody debris from orchard/vineyard removal

- Fuel for biomass powerplants:\$460.93/acre
- Air curtain burner: \$122.24/acre
- All other chipping scenarios: \$984.84/acre Resource Concerns: Ozone, PM, GHG, Odors, and Airborne Reactive Nitrogen



(376) Utilize "low-dust" harvesters: \$56.69/acre

- Many producers rely on jobbers
- Already owning and using low-dust harvesters means the PM resource concern has been met.
- Resource Concerns: PM

NRCS "Low Dust" Harvester List

| Make | Models |
|-------------------|---|
| Exact Corporation | E-3800, E-4000, E-7000-SP |
| Flory Industries | 680, 8550, 8600, 8700, 8770 |
| Jackrabbit | Harvester |
| Weiss-McNair | 9800 California Special, 9810, Magnum X |

FY 2023 EQIP AQ Payment Rates

(372) Replace in-use mobile diesel-powered equipment

- 25-160 bhp: \$514.63/bhp | >160 bhp: \$801.59/bhp
- Specialty Scenario added for low dust harvesters, conditioners, loaders

(372) Repower irrigation pump engines (also includes stationary engines

- New electric motor, <12 hp: \$1,344.02 to \$39,435.76 per motor
- New diesel engine, 50+ bhp: \$121.02/bhp Resource Concerns: NOx, Ozone & PM

USDA is an Equal Opportunity Provider, Employer, and Lender



Discussion and Q&A



Thank you