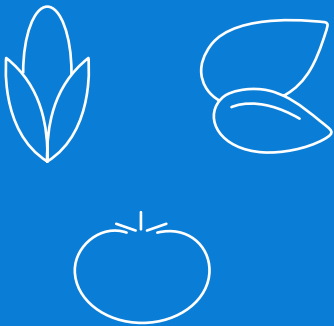


Keurig Dr Pepper's

Water Stewardship
Commitment
Helps California
Farmers



GROWER NAMES
Tim Beeman
Ronnie Machado



PARTNERS
GAR Bennett
LimnoTech
EcoMetrics



LOCATIONS
Knights Landing, CA
Tracy, CA



CROPS
Walnuts to Tomatoes
Alfalfa to Corn
Alfalfa to Almonds



FARM SIZES
189 acres
80 acres
200 acres



Precision
Agriculture



/ Goals



Keurig Dr Pepper sought annual volumetric benefits in California's Sacramento and San Joaquin Valley hydrologic regions over a 10-year period as part of their Water Stewardship Commitment.



Netafim was to identify farmers with the desire to switch from flood to drip irrigation but lacking the financial means to do so.



Maximize on-farm outcomes and flexibility so water can be stretched in drought and recharged in deluge by flood systems remaining intact with drip system installations.

Keurig Dr Pepper (KDP) is a leading beverage company in North America, with a portfolio of more than 125 owned, licensed and partner brands and powerful distribution capabilities to provide a beverage for every need, anytime, anywhere. Driven by a purpose to Drink Well. Do Good., its approximately 28,000 employees aim to enhance the experience of every beverage occasion and to make a positive impact for people, communities and the planet.

KDP is committed to reducing its environmental impacts and restoring resources in support of a regenerative and circular economy. It partners to accelerate and amplify its efforts, supporting climate resilience within its value chain.

LimnoTech helps corporate clients understand their water use and evaluate associated impacts and risks, facilitates partnerships to successfully implement impactful water stewardship actions, and quantifies the multi-benefits of those actions.

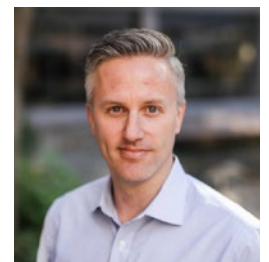
/ Opportunity

Tim Beeman was familiar with drip irrigation and was interested in converting some of his remaining flood irrigated fields but with rising costs in the business, he had been unable to make it a reality. With KDP's support, Beeman was able to make the drip conversion in the Sacramento hydrologic region finally happen. Ronnie Machado was also familiar with drip but had not implemented subsurface drip irrigation on a forage crop before. In addition, he was interested in converting some of his forage crop parcels to almonds. KDP's support made it possible for Machado to install subsurface drip irrigation on corn and convert some land to almonds. With the objective to increase the adoption of drip irrigation on forage crops across the West due to the number of acres still under flood irrigation and Western water shortages, Netafim helped to identify farmers that could benefit from KDP's support. As a result, the partnership has enabled both farmers to convert more acres from flood to drip than originally intended.



As a beverage company dependent on water at all levels of our value chain, we have a unique opportunity to develop and support leading solutions to local and global water challenges. Through collective action, projects like these can help build healthy communities and advance our ambition to achieve Net Positive Water Impact by 2050.

Ryan Spicer
Director of Sustainability, Keurig Dr Pepper



Precision
Agriculture

Want to know more?
netafimusa.com



/ Solutions

- Implementation of customized irrigation systems for each field which included two fields of subsurface drip irrigation and one field that combined sprinkler and surface drip irrigation.
- Conversion of 469 flood-irrigated acres to drip irrigation-an increase of 99 acres more than originally planned with no increase in financial contribution.
- Maintenance of flood irrigation systems to maximize system flexibility to stretch resources in a drought and replenish resources in a deluge.
- Improved plant health by including systems with soil moisture probes that helped farmers minimize resource use and maximize yields.
- Minimization of evaporative losses and nutrient leaching to waterways through precise water and nutrient delivery for improved water quality and enhanced sequestration of greenhouse gas (GHG) emissions within the soil
- Reduction of soil disturbance from flood irrigation via consistent moisture levels that enhanced microbial activity in the soil.
- Implementation of third-party benefit reporting through EcoMetrics over 10 years.
- Alignment with the California Water Action Collaborative (CWAC)'s Impact Areas of: increasing water supply reliability (through reduced demand), increasing climate resilience (through system flexibility), improving water quality and preventing pollution (through precise nutrient delivery), and improving data management (measuring the difference in water use between flood and drip irrigation).

/ Results

Results will be tracked annually through water meters and evaluated and reported by EcoMetrics to KDP and LimnoTech.



Collaboration is key to successful water stewardship actions that benefit watersheds and local communities. LimnoTech is pleased to be part of this KDP-Netafim partnership and to support evaluating the volumetric benefits of drip irrigation practices in California's Sacramento and San Joaquin Valleys.

Pranesh Selvendiran
Senior Environmental Engineer, LimnoTech





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