



DropControl[®]

CASE STUDY



D & J FARM MANAGEMENT LLC

D & J Farm Management LLC is a farm management company based out of the Central Valley in California, in which they farm over 12,000 acres.

This specific project was overseen by D & J's former Water Resource Manager, Mark Sherfy. The solution was to design a system that would allow full pump and valve control, soil probes to measure moisture levels, and a weather station to monitor temperature and humidity.



- Crop Type: **Almonds**
- Varieties: **Nonpareil & Monterey**
- Area: **Bakersfield, CA**
- Crop Age: **1st Leaf**
- Tree Spacing: **15'x22'**
- Irrigation System: **1 centrifugal pump, 1 VFD, 10 field valves, single-line drip & fan jets w/22psi thresholds**
- Irrigating based off of historical ETo data and soil profile in the orchard using telemetry



2017

1st Leaf Results:

- +33 inches applied
- 27-28mm growth
- Manually Irrigated

VS

2019

1st Leaf Results:

- 20 total inches applied
- 27-28mm growth
- Pump & valve automation
- Irrigated using telemetry



Not only did D&J see a similar growth of 27-28mm between these two cases, the automated block in 2019 was irrigated with 13 inches less of water and accrued a total savings of one acre-foot.

1 ACRE-FOOT PER ACRE X 80 ACRES = 26+ MILLION US GALLONS

“You guys were willing to work with other companies and if I had a request to automate something, you guys would do it. All of these other companies told me, “Oh, well we don’t do that.” Well I don’t care if you don’t, that’s what I’m asking for. But you guys answer the grower’s needs.”

INFO@WISECONN.COM • +1 (559) 326-7613

WWW.WISECON.COM