

## A Partnership to Sustain the California Dairy Foods Industry & Local Communities

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## The Alfalfa Project Drought Year Results with Precision Alfalfa Mgmt

- Independent study by CPA firm Frazer, LLP (dairy exp.)
- Two year results from farmer records, interviews, etc.
- FY 2016 average results
  - 1,110 acres in three counties with multiple soil types
  - 12.77 tons per acre
  - 2.39 acre feet per acre
  - TDN 54.4%, CP 21.72% = premium quality
- FY 2015 average results
  - 803 acres in three counties with multiple soil types
  - 11.41 tons per acre
  - 2.33 acre feet per acre
  - TDN 52.0%, CP 20.34% = good quality



## The Alfalfa Project Farmer Economic Metrics with Precision Alfalfa Mgmt

PAM Annual Costs:		
Water & Pumping Costs (2.5 Acft @\$140)	\$350	\$/acre
Operating Costs*	\$275	\$/acre
Harvest Costs (Bail @ \$40 per Ton)	\$500	\$/acre
Establishment Costs (7 Year Amort)	<u>\$115</u>	\$/acre
Subtotal Production Costs	\$1,240	\$/acre
SDI System Depreciation (15 Years)	<u>\$160</u>	\$/acre
Total Costs	\$1,400	\$/acre
Tons per Acre	12.77	tons/acre
PAM Production Cost per Ton	\$110	\$/ton
Market Price per Ton (Hoyt Report)	\$230	\$/ton
Savings per Ton	\$120	\$/ton



## The Alfalfa Project What's Possible?

600,000	
50%	
300,000	
2.5 Ac Ft	
750,000	
350,000	
50%	
175,000	
2.0 Ac Ft	
350,000	
1,100,000	
\$950 Million	

