

**STATE WATER RESOURCES CONTROL BOARD
EX PARTE COMMUNICATIONS REGARDING PENDING GENERAL ORDERS
DISCLOSURE FORM**

Note: This form is intended to assist the public in providing the disclosure required by law. It is designed to document meetings and phone calls. Written communications may be disclosed by providing a complete copy of the written document, with attachments. Unless the board member(s) provided you with a different contact person, please send your materials to: commentletters@waterboards.ca.gov

Use of this form is not mandatory.

1. Pending General Order that the communication concerned:

2. Name, title and contact information of person completing this form:
Note: Contact information is not mandatory, but will allow the Water Board to assist you if additional information is required. If your contact information includes your personal residence address, personal telephone number or personal email address, please use a separate sheet of paper if you do not want that information posted on our website. However, this information may be provided to members of the public under the Public Records Act.

3. Date of meeting, phone call or other communication:

Time:

Location:

4. Type of communication (written, oral or both):

5. Names of all participants in the communication, including all board members who participated:

6. Name of person(s) who initiated the communication:

7. Describe the communication and the content of the communication. *Include a brief list or summary of topics discussed at the meeting, any legal or policy positions advocated at the meeting, any factual matters discussed, and any other disclosure you believe relevant. The Office of Chief Counsel recommends that any persons requesting an ex parte meeting prepare an agenda to make it easier to document the discussion properly. Attach additional pages, if necessary.*

- 8. Attach a copy of handouts, PowerPoint presentations and other materials any person used or distributed at the meeting. If you have electronic copies, please email them to facilitate web posting.**

Central Valley Agricultural/Regional Water Board Tour
August 27, 2013
9:15 am to 1:00 pm

Schedule of Events

- 9:15 am Meet at Diversified Farming Operation
 Hereford Rd., Los Banos, CA 93635
- 11:00 am Depart for San Luis Canal Co.
 11704 W. Henry Miller Road, Dos Palos, CA 93620
- 11:15 am Arrive at San Luis Canal Co.
 11704 W. Henry Miller Road, Dos Palos, CA 93620
- 12:15 pm Lunch/Discussion
- 1:00 pm Travel Back to Merced

FARM TOUR

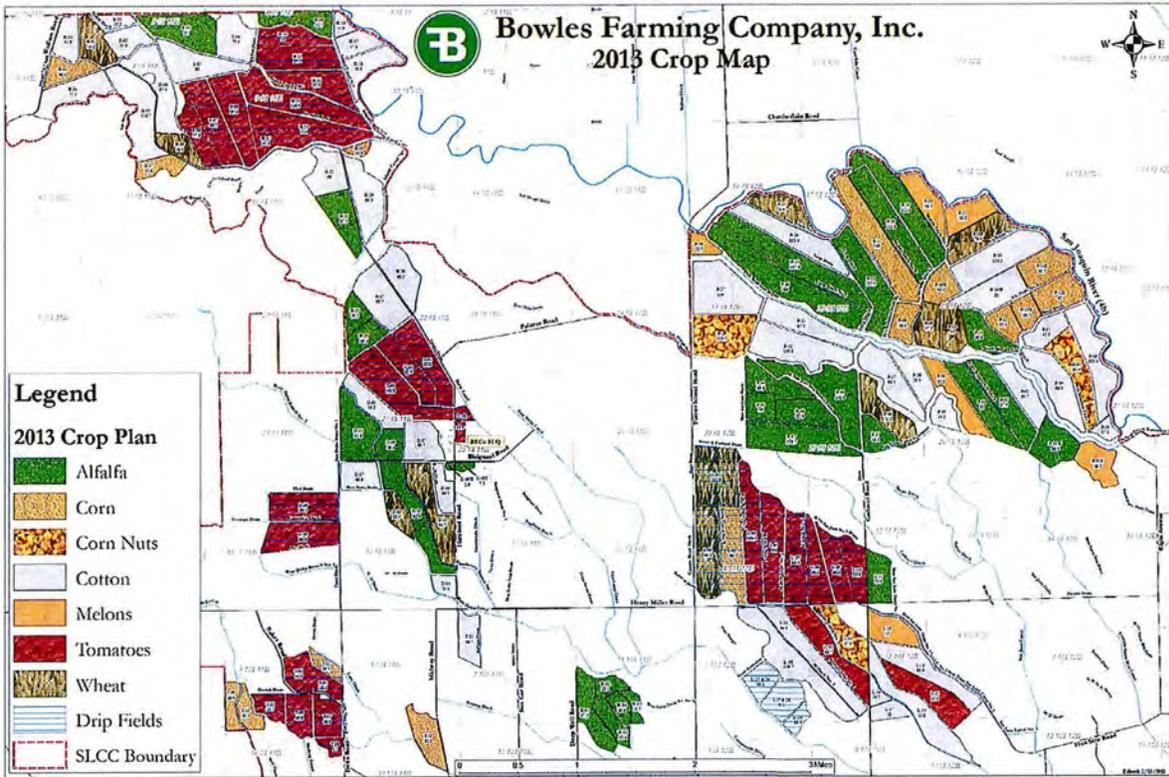
Tuesday, August 27, 2013

FARM HISTORY

- ✘ Family owned and operated
- ✘ 150+ years farming in California
- ✘ 10,500 irrigated acres in the Central San Joaquin Valley (Los Banos)
- ✘ 60% of land farmed is leased
- ✘ 2013 Crop Mix: 3,400 Cotton, 2,400 Alfalfa, 2,300 Process Tomatoes, 250 Fresh Tomato, 700 Wheat, 1,000 Corn, 300 Melons, 50 Sudan Grass
- ✘ Clay Loam Soils – variable
- ✘ High groundwater levels

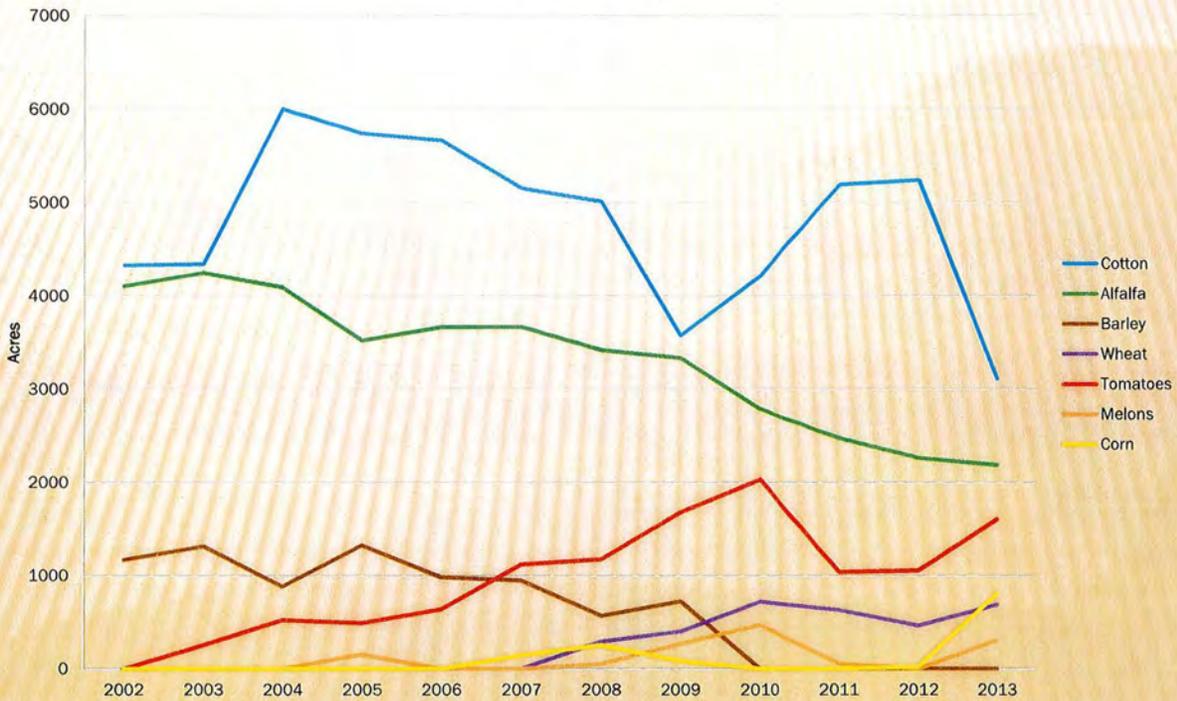
WATER

- ✘ Riparian Rights
 - + San Joaquin River
- ✘ Now supplied by CVP
 - + Lake Shasta
 - ✘ 300+ miles north
 - + Pumped from Delta
 - ✘ Salt issues
 - ★ Tidal influence
 - ✘ Environmental concerns
 - ★ BiOps – Smelt/Salmon
- ✘ Drainage concerns - Salt
 - + We receive a lot of drain water and reuse
 - + Environmental Issues
 - + Regulatory Issues



CROP PATTERN

Crop History

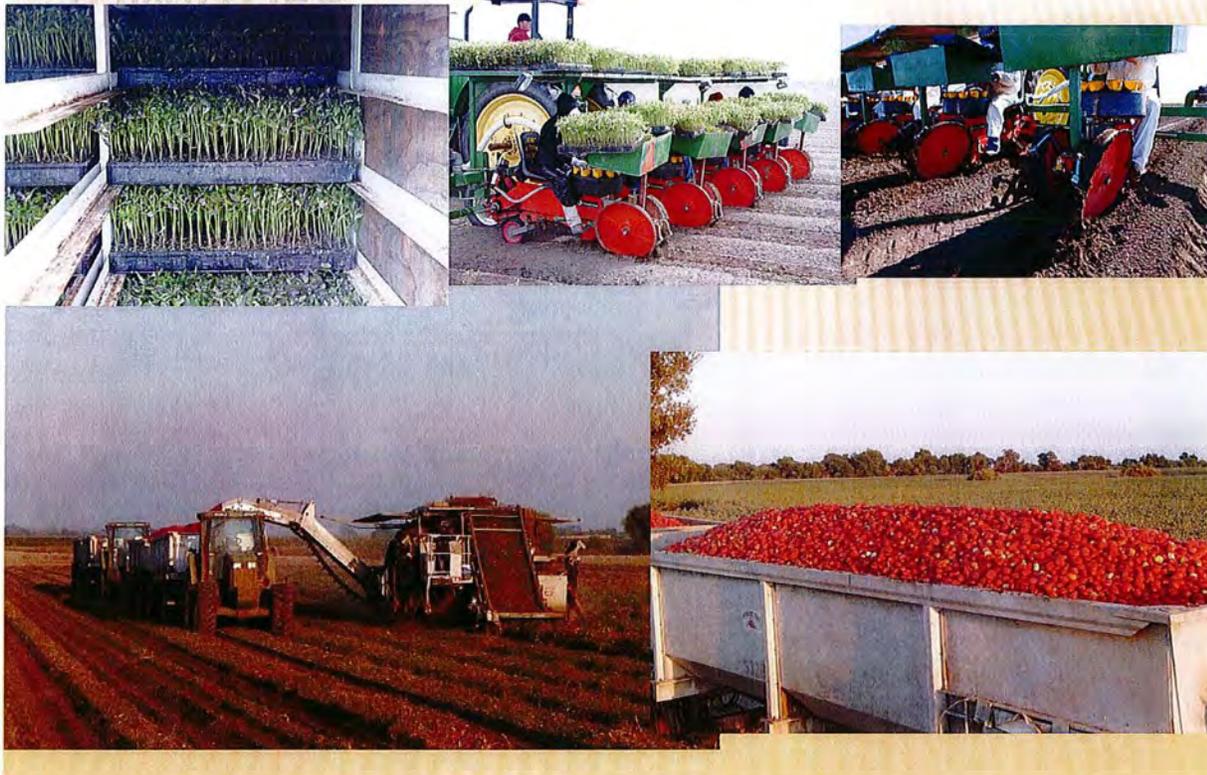


PROCESSING TOMATOES

- ✘ California is largest world producer
- ✘ 3 large processing facilities near farm
- ✘ Price is tied to world price of paste
- ✘ High quality and yield



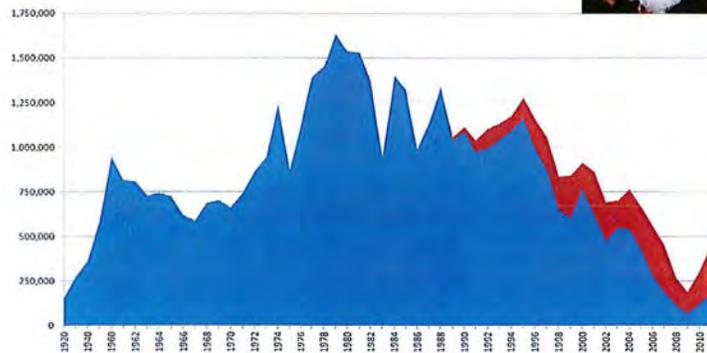
TOMATOES



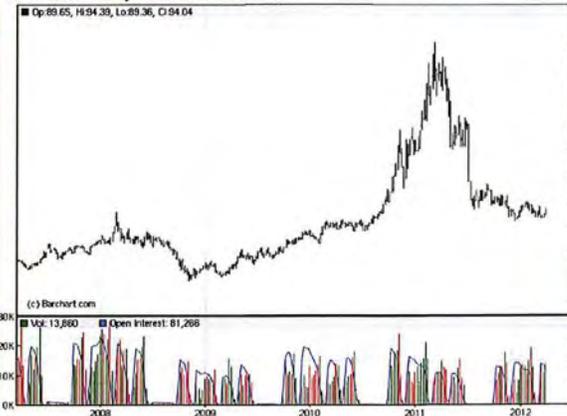
COTTON

- ✘ 100% export
- ✘ High quality
- ✘ ELS & Pima
- ✘ 1,620 lbs/ac

CALIFORNIA COTTON ACREAGE
1920 TO 2011



CT - Cotton #2 - Weekly Nearest OHLC Chart



COTTON



ALFALFA

- ✦ High quality hay
- ✦ Essential for milk production
- ✦ 7 cuttings (avg 1 ton/cut)
- ✦ Price varies – tied to dairy economics



ALFALFA



OTHER CROPS

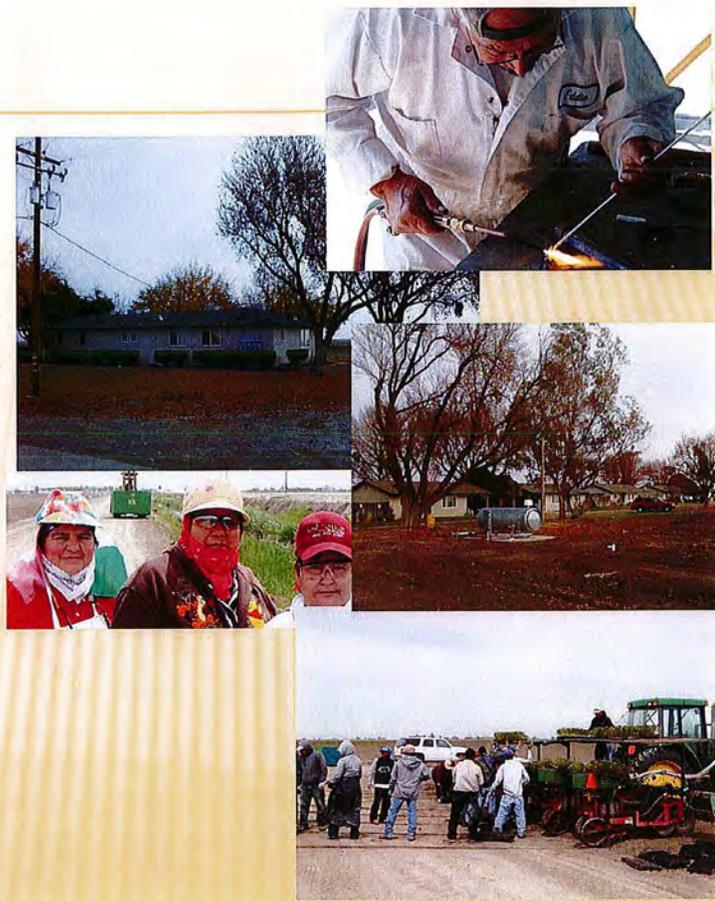


FUTURE CROPS?



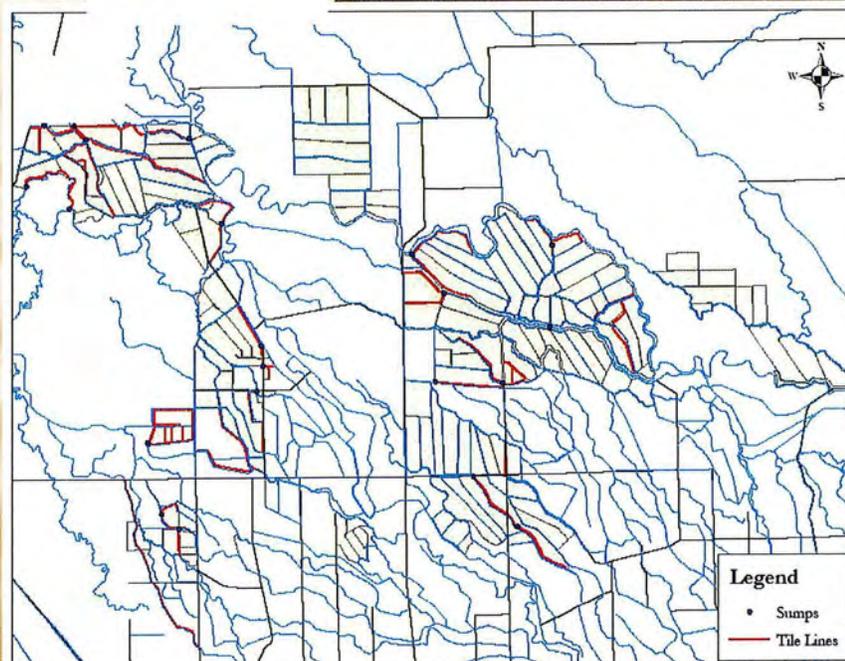
WORKFORCE

- ✘ Hispanic
- ✘ \$8-15/hr
- ✘ Health insurance
- ✘ Retirement
- ✘ Provide housing
- ✘ Irrigation, tractor drivers, shop
- ✘ Contracted labor



TILE LINES

- ✘ High perched water table (4-8')
- ✘ 34.7 miles of line installed
- ✘ Discharge water quality is poor



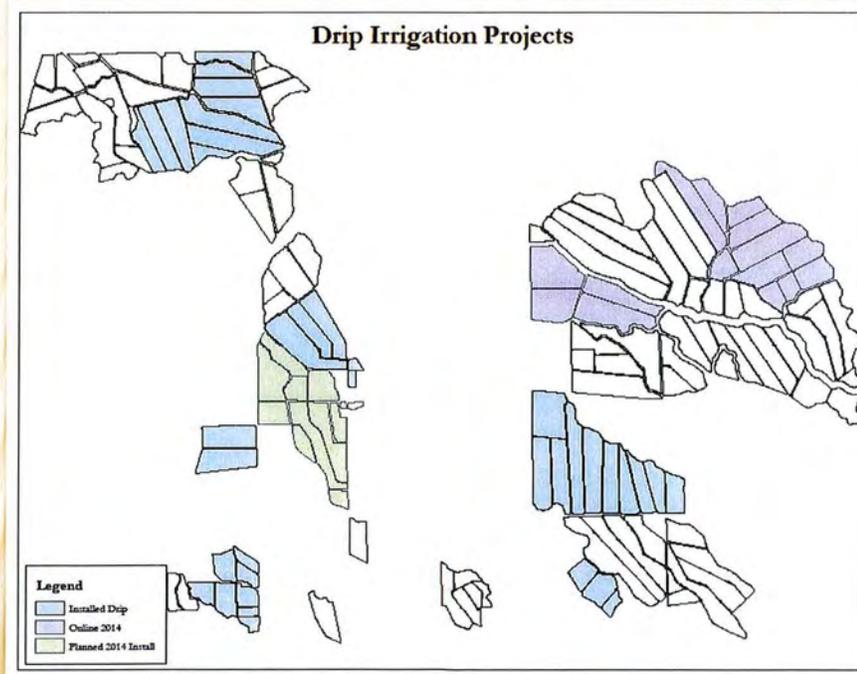
IRRIGATION PRACTICES

- ✘ Flood irrigation
- ✘ Siphon pipes
- ✘ Moving towards drip irrigation



DRIP IRRIGATION

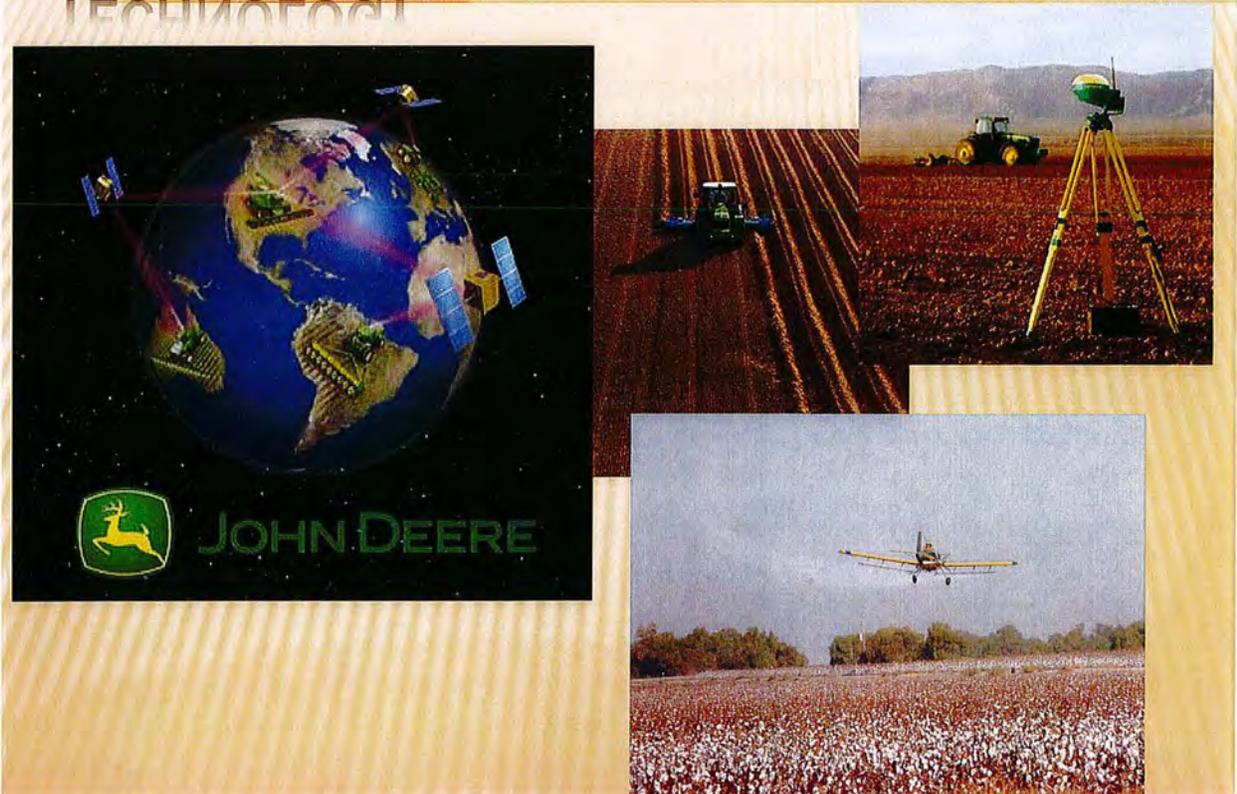
- ✘ 2013 - 2,464 acres (23%)
- ✘ 37% in 2014
- ✘ 25-40% water savings
- ✘ 20-30% yield increase
- ✘ \$1,500/acre
- ✘ 60" spacing
- ✘ Buried 14"

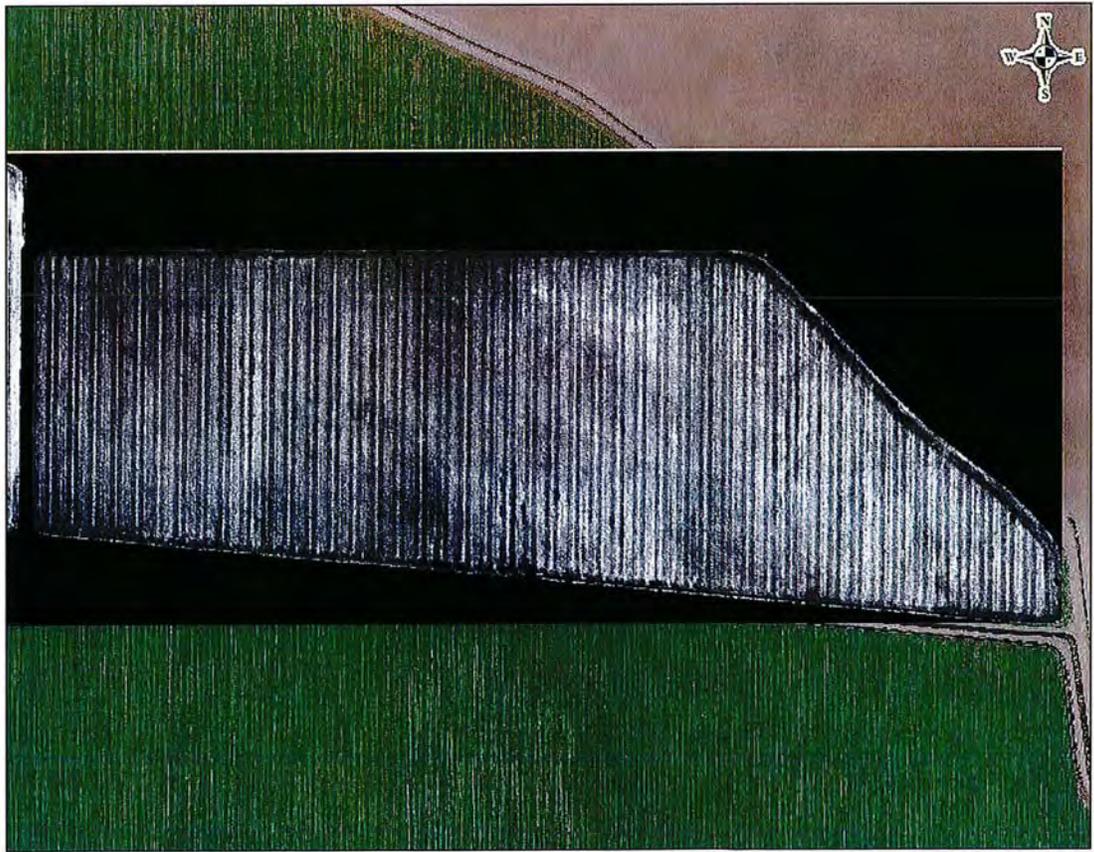
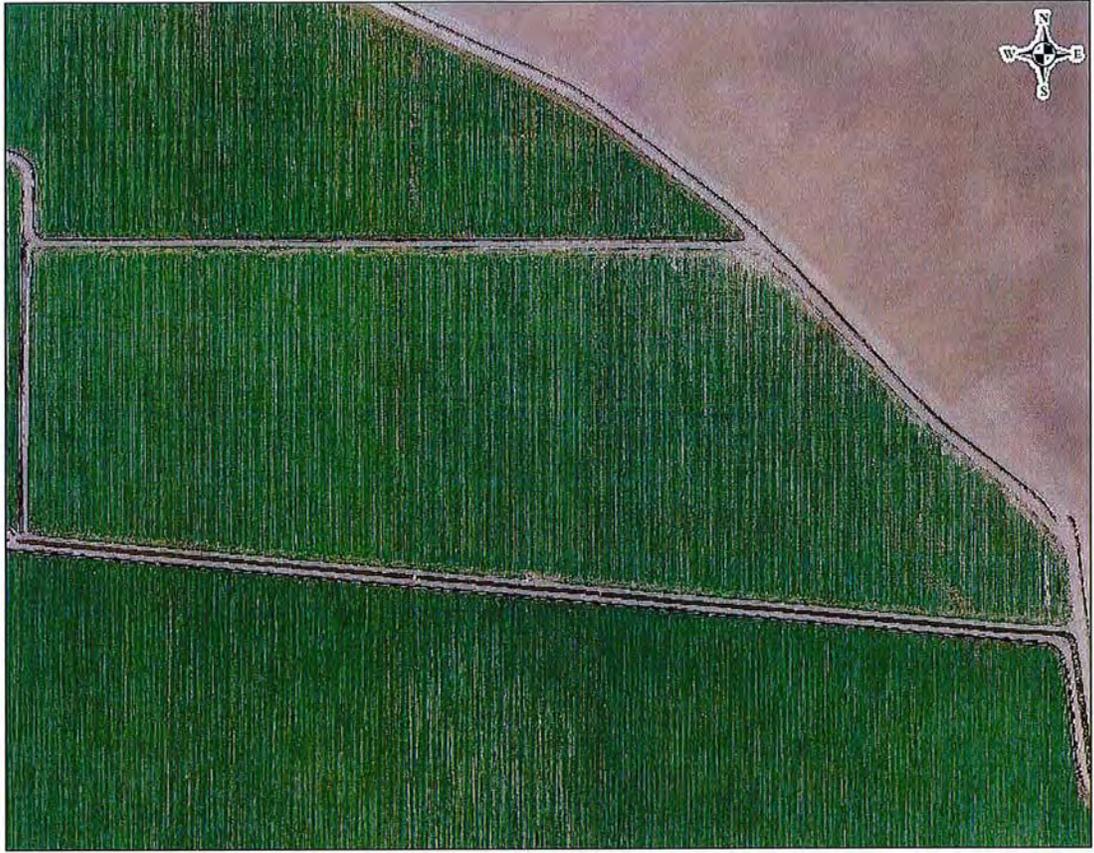


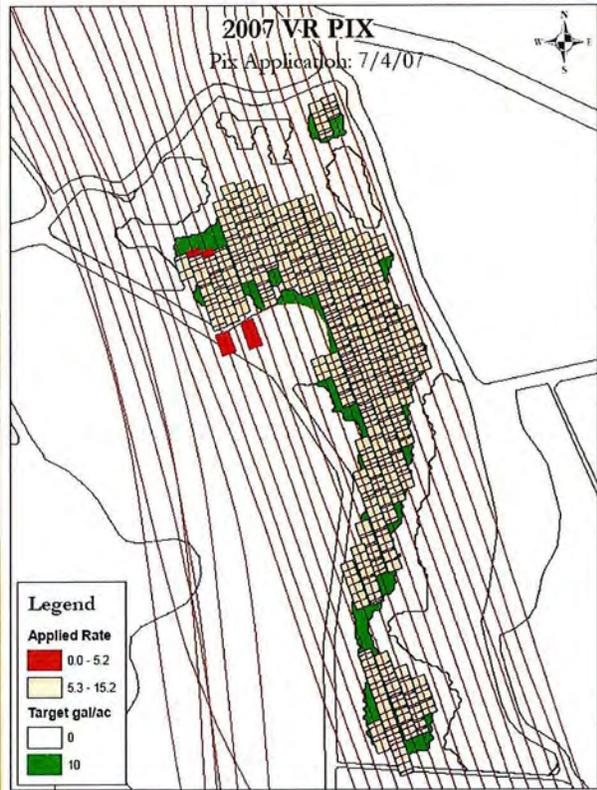
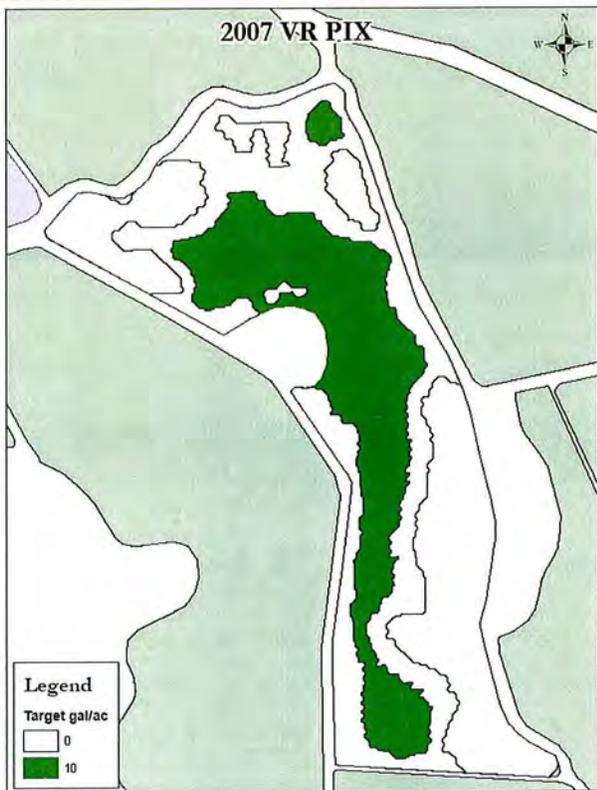
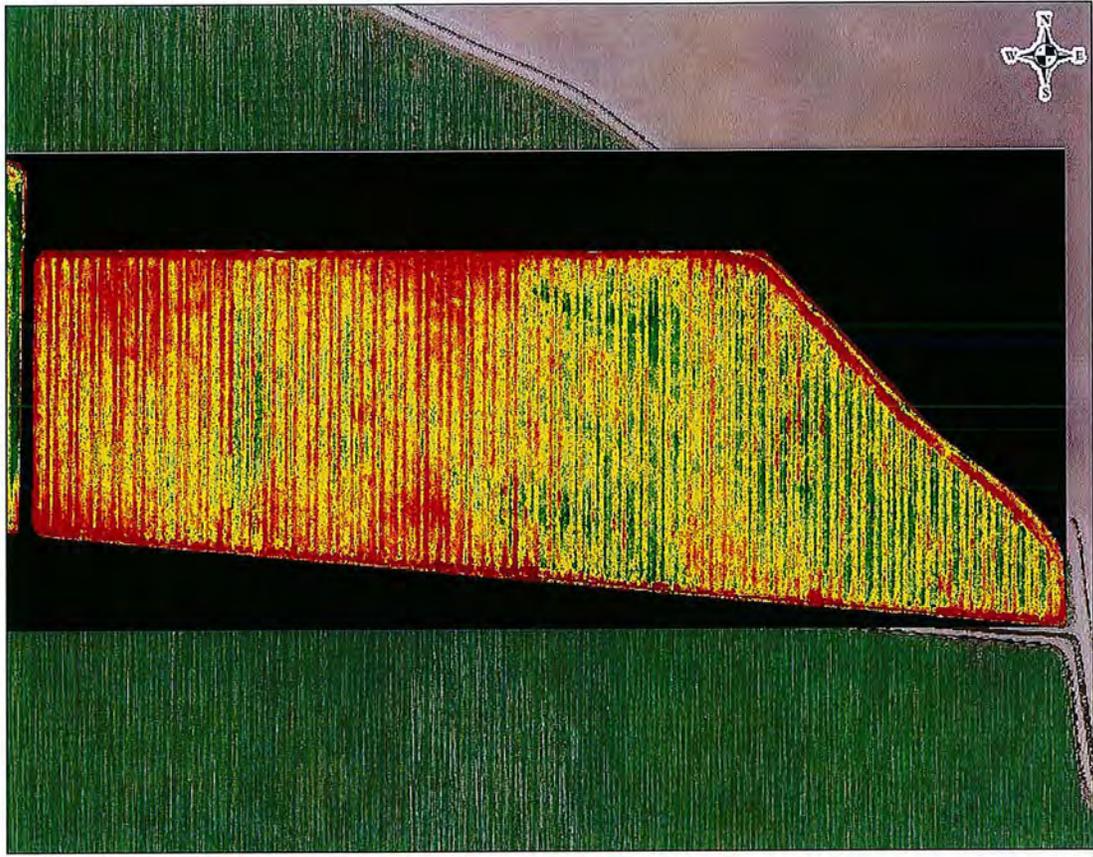
DRIP INSTALLATION

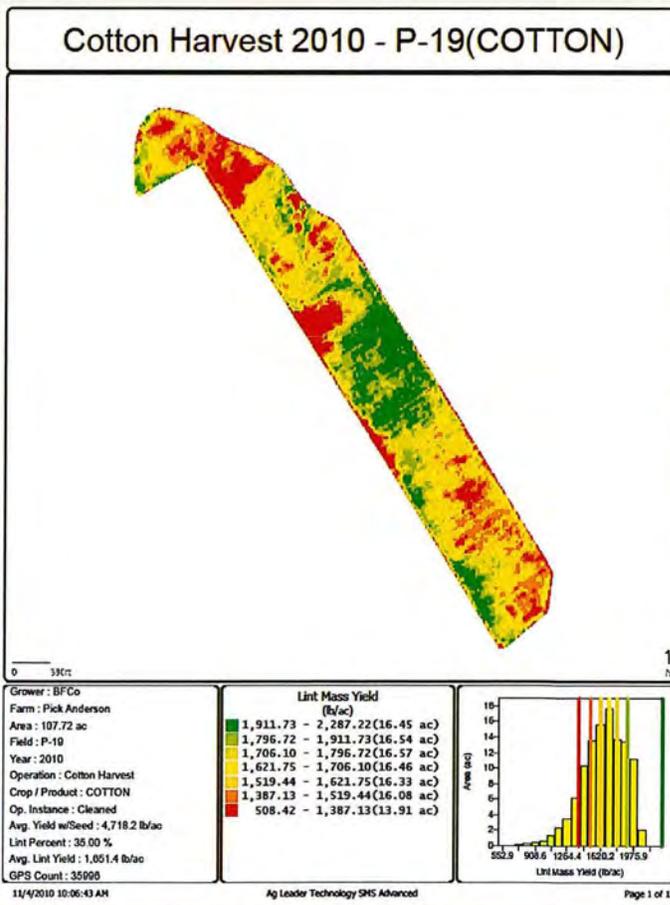
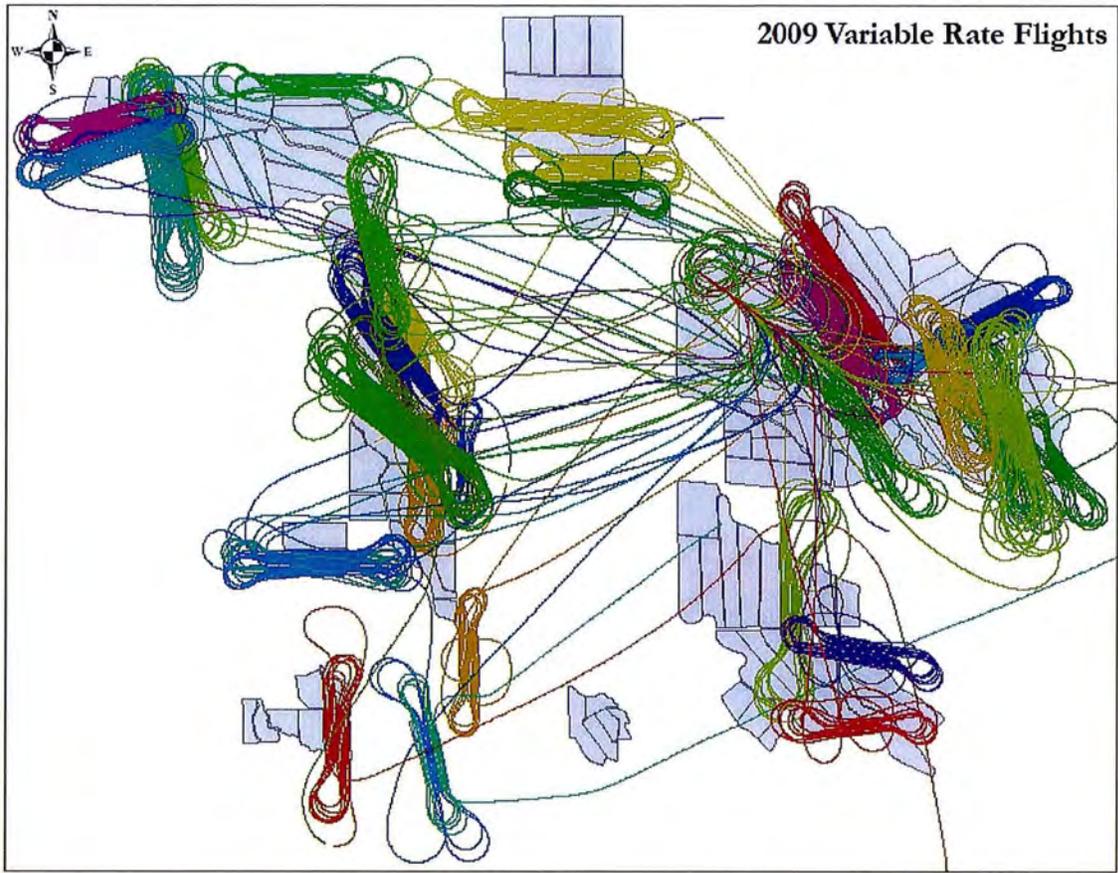


TECHNOLOGY











- ✘ True “One Pass” Tillage
- ✘ The “Optimizer”
- ✘ 18’ wide
- ✘ 45’ long
- ✘ 50,000 lbs



Acres 2,000

	Activity	gal/hr	acre/hr	hrs to complete	gal used	Fuel Cost \$3.5/gal
Old	Disc	9.5	3.9	512.8	4,871.8	\$17,051.28
	Chisel	12	4.7	425.5	5,106.4	\$17,872.34
	Disc	9.5	3.9	512.8	4,871.8	\$17,051.28
	Triplane	4	3	666.7	2,666.7	\$9,333.33
			2,117.8	17,516.6	\$61,308.24	
New	Chisel	12	4.7	425.5	5,106.4	\$17,872.34
	Optimizer	13	5.2	384.6	5,000.0	\$17,500.00
			810.1	10,106.4	\$35,372.34	
	difference			1,307.7	7,410.3	
	Savings			61.75%	42.30%	\$25,935.90

