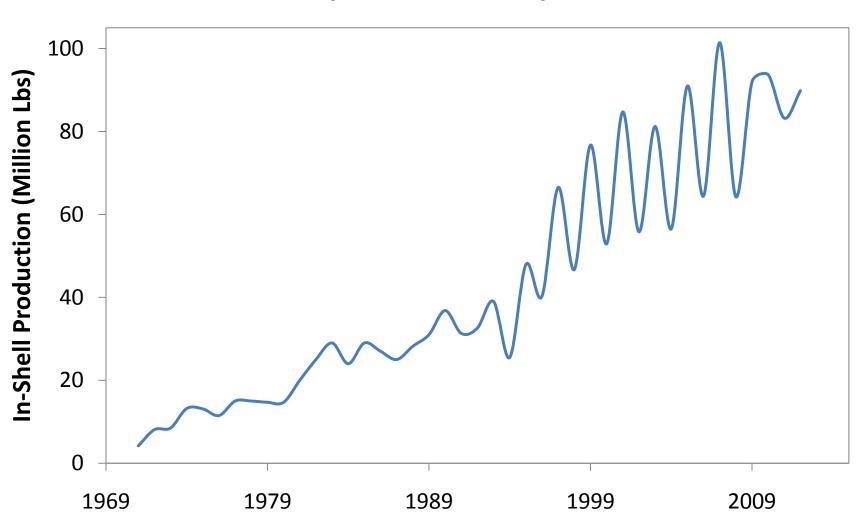
Developments in the Pecan Industry in the West



Richard Heerema
Pecan Specialist
New Mexico State University
Las Cruces, NM

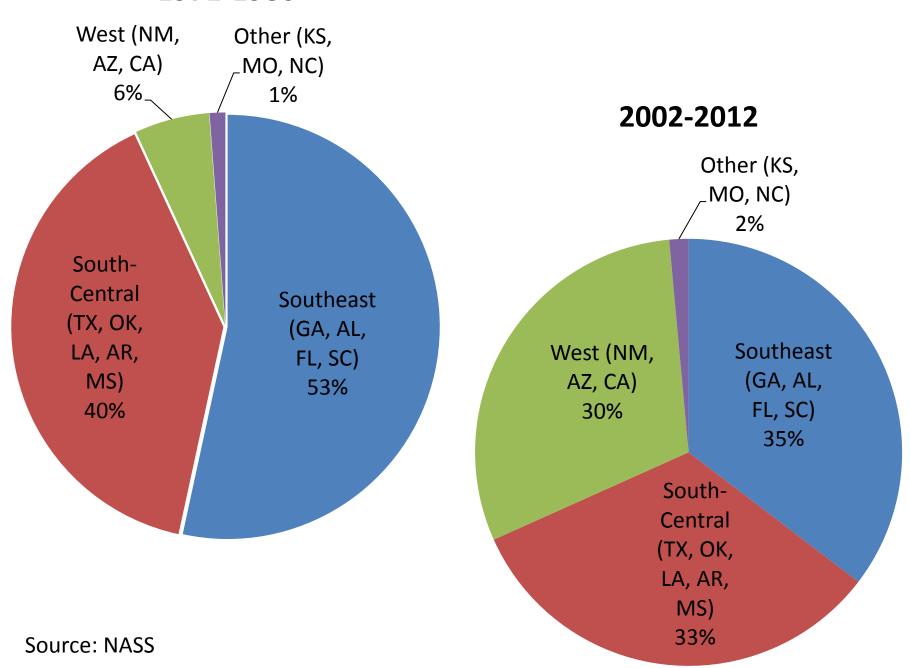


West (NM, AZ, CA)

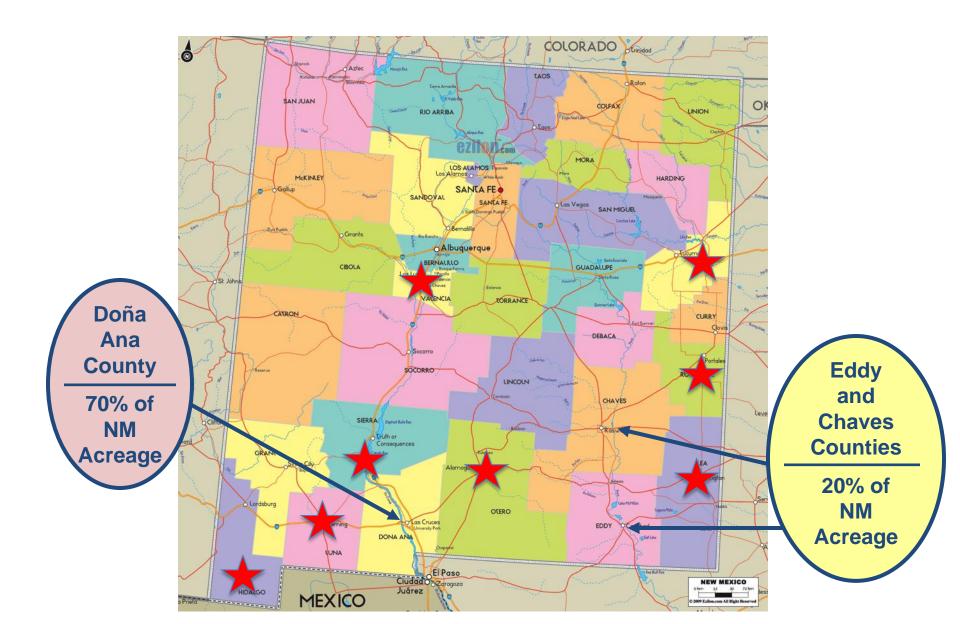


Source: NASS

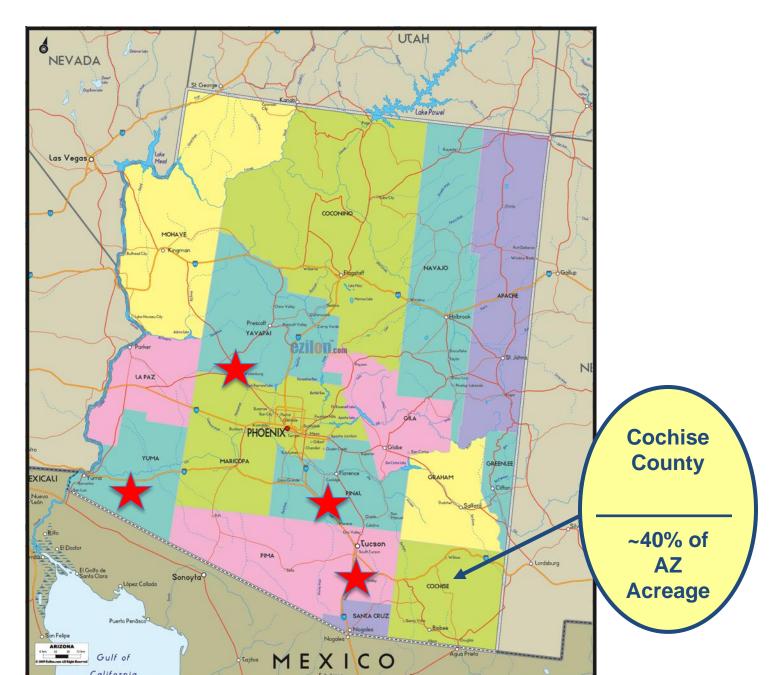
1971-1980



Pecan Production Areas in NM

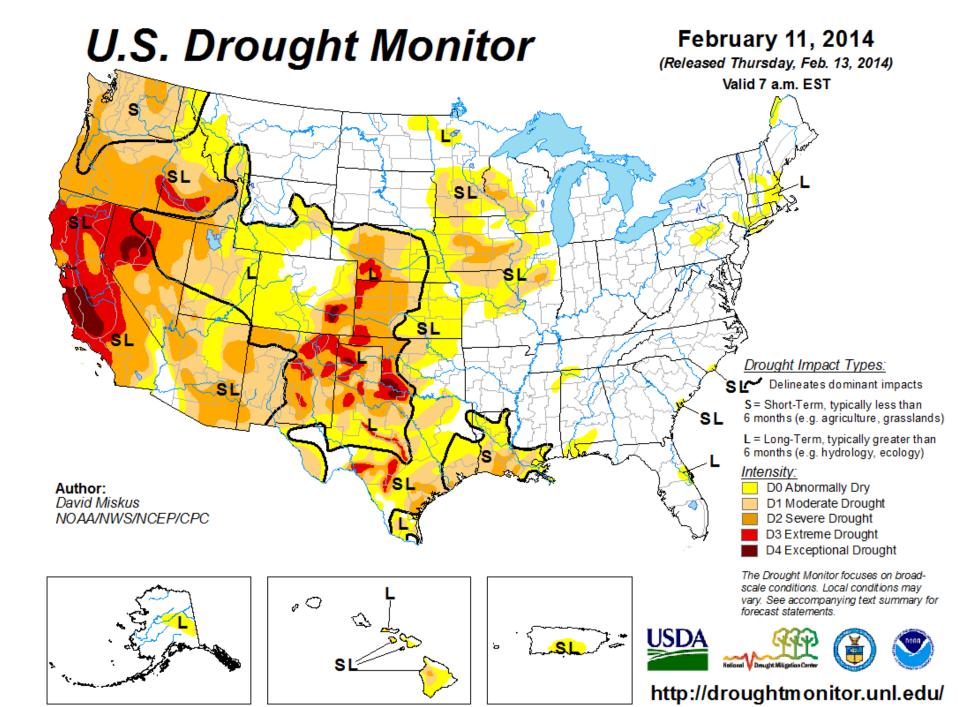


Pecan Production Areas in AZ

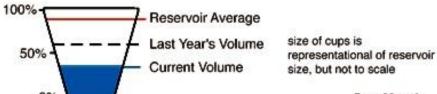




Pecan Production
Areas in CA



Legend



0% Name	Capacity	Current Storage*	Max Storage*	One-Month Change in Storage*
1. Navajo	57%	965.0	1,696.0	4.7
2. Heron	22%	86.9	400.0	-4.3
3. El Vado	3%	4.8	190.3	-10.8
4. Abiquiu	13%	154.6	1,192.8	10.6
5. Cochiti	9%	46.6	491.0	0.0
6. Bluewater	10%	3.9	38.5	-0.1
7. Elephant Butte	13%	277.7	2,195.0	41.5
8. Caballo	12%	39.7	332.0	0.7
9. Lake Avalon	58%	2.3	4.0	0.3
10. Brantley	3%	31.9	1,008.2	2.9
11. Sumner	36%	37.2	102.0	3.2
12. Santa Rosa	22%	98.6	438.3	-0.4
13. Costilla	19%	3.0	16.0	0.3
14. Conchas	37%	95.0	254.2	-1.0
15. Eagle Nest	26% N/A-value not a	20.3	79.0 * thousan	-0.7 ds of acre-feet

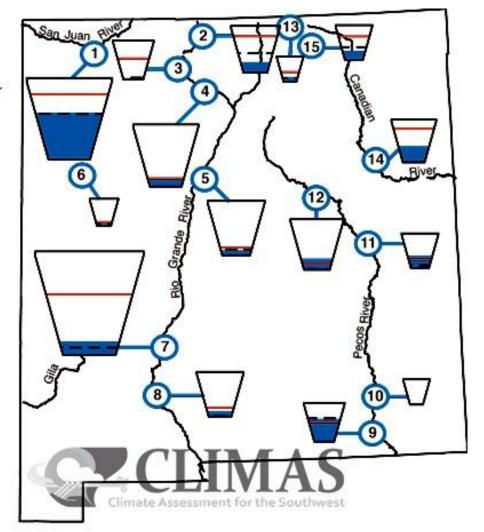
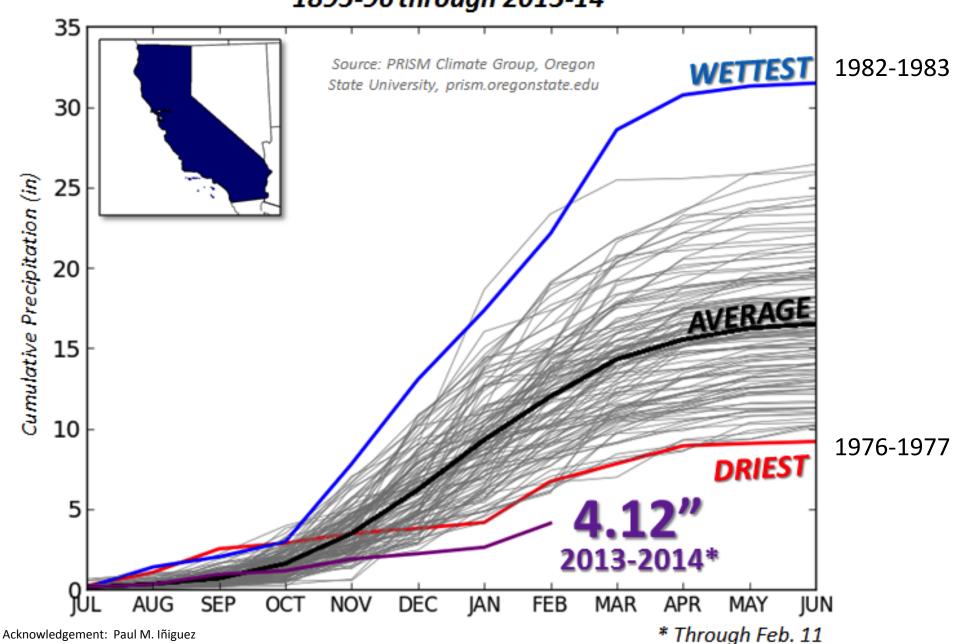


Figure 2. New Mexico reservoir volumes for December as a percent of capacity. The map depicts the average volume and last year's storage for each reservoir. The table also lists current and maximum storage, and change in storage since last month.

Water Year Precipitation in California

1895-96 through 2013-14

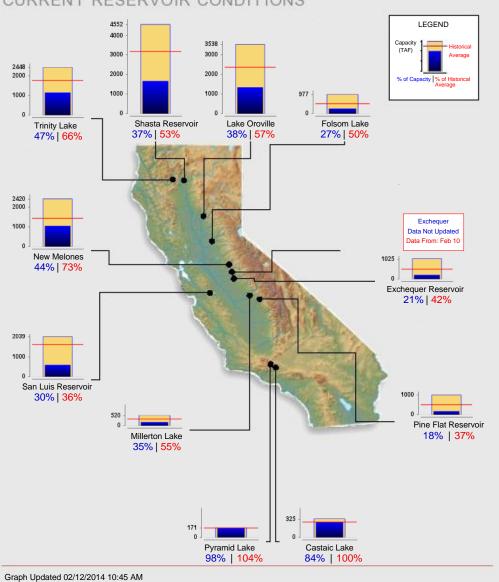




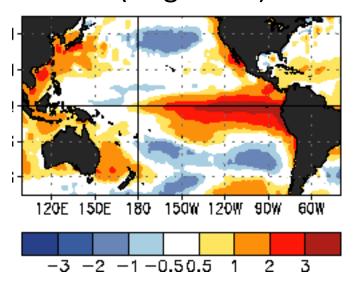
Reservoir Conditions

Ending At Midnight - February 11, 2014

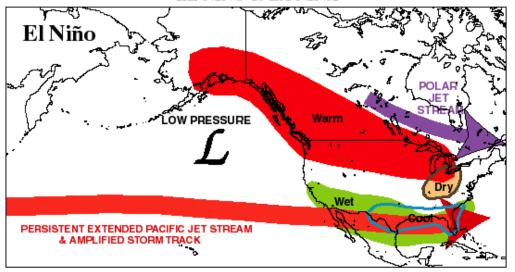
CURRENT RESERVOIR CONDITIONS

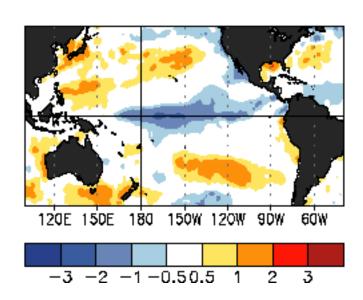


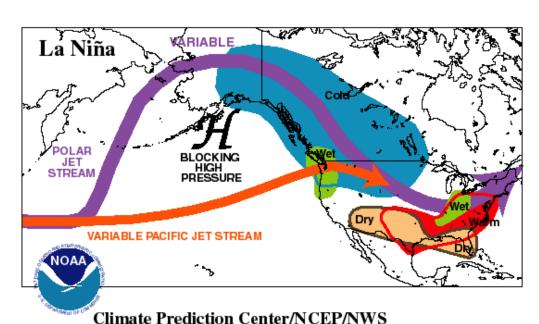
Ocean Temperature Departures (Degrees C)



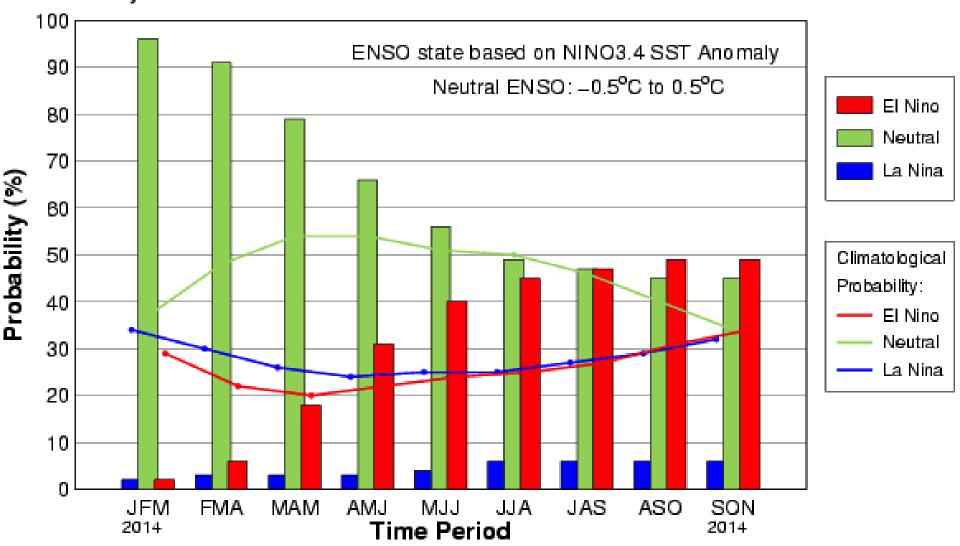
TYPICAL JANUARY-MARCH WEATHER ANOMALIES AND ATMOSPHERIC CIRCULATION DURING MODERATE TO STRONG EL NIÑO & LA NIÑA







Early-Feb CPC/IRI Consensus Probabilistic ENSO Forecast



Salinity







Research: Rethinking foliar zinc applications

With Dr. Jim Walworth at University of Arizona



- Zn EDTA fertigation in calcareous, alkaline soils
 - Treated trees had 25-29 ppm zinc vs. 7-8 ppm for untreated trees.
 - Treatment nearly eliminated visible zinc deficiency symptoms.
 - Treated trees had 17-22% greater trunk diameter in 3rd leaf.
 - Treated trees had about 70% higher photosynthesis rates than untreated in June.

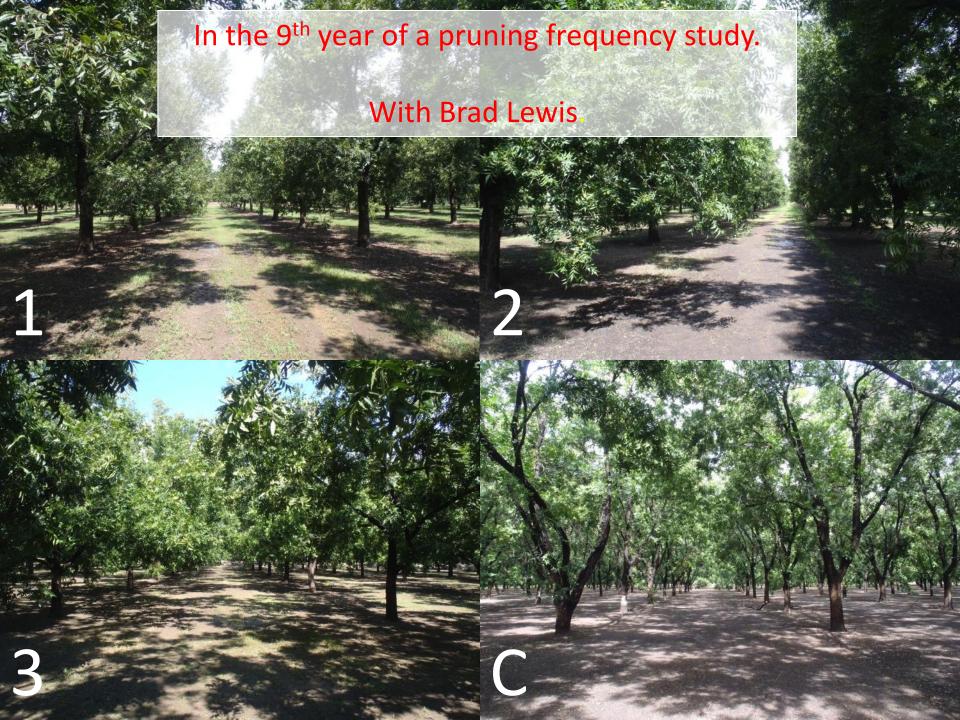




Mechanical Hedge Pruning







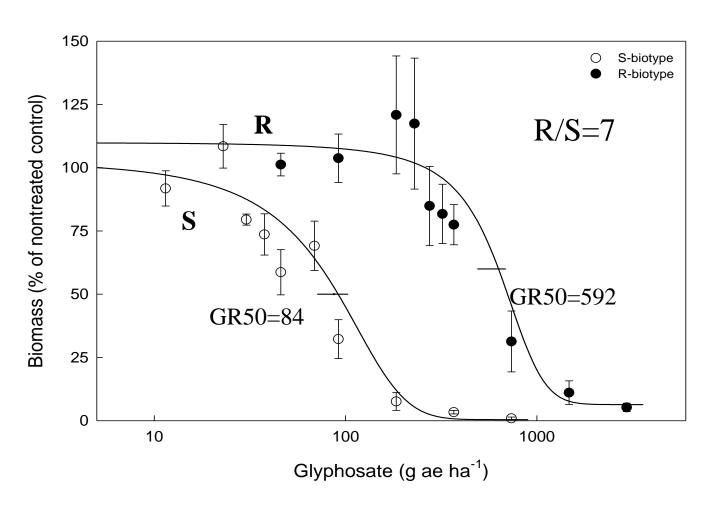
Weed Management Issues

With Dr. Jamshid Ashigh





Weed Management Issues



Experiments were replicated four times and repeated once ($\alpha = 0.05$)

Characteristics of the Vegetative Growth of R and S Populations



Questions?



