State of the Pistachio Industry

A BRIEF HISTORY

- Pistachios likely brought to California during/after Gold Rush
- USDA- Plant Introduction searched for plants for the arid Southwest
 Pistacia planted from San Antonio to Yuma to Green River to Oakland
- Very limited commercial, more like "hobby", production in CA
- W. E. Whitehouse (USDA) sent to Russia in 1929 to collect alfalfa
 - Extended collection to pistachio in Iran
 Collected about 20 lbs of pistachio seed which was planted at Chico

California Pistachio Industry

- Occasional slowing (Verticillium, Bot, drought, pistachio bushy top)
 4500 bearing acres in 1976, 335K acres in 2020
- Merced, Madera, Fresno, Kings, Tulare, Kern
 All large processors in this area

- California Pistachio Commission (1980-2007)
 Administrative Committee for Pistachios (2004-now)
 California Pistachio Research Board (2007-now)

Administrative Committee for Pistachios (ACP)

- ACP is a federal marketing order operating on assessments
- Initially regulated aflatoxin in CA pistachios in order to obtain an import regulation

- Locally administers Pistachio Export Aflatoxin Reporting Program

California Pistachio Research Board (CPRB)

- - Initiated in 2007 to fill research needs
 Production research and grower education

PRODUCTION OUTLOOK

- - Country appear to be solving
 Country and the solution of the solution

INDUSTRY CONCERNS – Production, Regulatory, Infrastructure, Market

- Production Concerns Diseases, Pests, Climate, Horticultural
 - - Navel Orangeworm single largest consumer complaint, mycot
 Mealy Bug still spreading

CONCERNS

- KEGULATION
 Sorta (Sustainable Groundwater Management Act)
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 Utimotely will limit the amount of nutrients that leach to groundwater. Nitrogen is
 Inrigated Lands Program
 Utimotely will limit the amount of water that can be removed from groundwater.
 Reduced field/billy when surface supplies are low

CONCERNS

- Less of a commitment by state and feds
 CPRB has created endowments to ensure some positions cont
 How many Farm Advisors will we be able to retain?

Concerns

- Market access can be expanded or restricted by crop quality
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 Quality is ambiguous term but can include pesticides, mycotoxin
 Mycotoxins are a significant concern for European exports
 Includes both aflatoxin and ochratoxin A (OTA)

AFLATOXIN

- Carcinogenic byproduct of Aspergillus flavus and A. parasiticus
- Highly regulated

- Contamination a function of NOW damage and fungal infection

OCHRATOXIN A (OTA)

- Aflatoxin + OTA could be major problem and significantly limit trade