



Pistachio Day 2022

Pistachio Industry Update

BOB KLEIN, MANAGER

CALIFORNIA PISTACHIO RESEARCH BOARD

ADMINISTRATIVE COMMITTEE FOR PISTACHIOS



HIGHLIGHTS FOR 2021

- RECORD US CROP of 1.17 BILLION POUNDS
- CALIFORNIA CROP OF 1.15 BILLION POUNDS
 - Previous year was 1.04 billion
 - 409,000 bearing acres
 - 2822 pounds per acre
 - 111,000 nonbearing acres

CROP QUALITY FOR 2021

- OPEN INSHELL – 84.7%
 - On the high side for an on year
 - On year is normally about 75%
- Low closed shell, normally up in on year
- Average nut size small

WAS 2021 AN ON-YEAR CROP?

- Tree/orchard/industry, pistachios are historically alternate bearing
 - All indications that tree and orchard alternate bearing continues
 - Industry, last three years are exceptional –
 - 2019: 2177 lbs/acre
 - 2020: 2806
 - 2021: 2822
 - Not high yields (3262 in 2018)

WHAT DRIVES INDUSTRY ON/OFF?

- Weather
 - Lack of chill -2015
 - Great chill/bloom weather following off crop (2010)
- Number of acres coming into bearing since last synchronizing event
 - Since 2015: 169,000 acres of mostly Golden Hills
- 2021-2022 not likely synchronizing event
- “Only” 18,000 acres coming into bearing in 2022

PROGNOSIS FOR 2022 CROP TOTAL

- 427,000 bearing acres
- If off year: 2200 lbs/acre
 - 940 million pounds
- If on year: 2900 lbs per acre
 - 1.24 billion pounds
- Unexceptional weather, low new bearing acres => higher upside potential

INSECT DAMAGE in 2021

- LOW – < 1.0%
- UNPRECEDENTED 4 YEARS IN A ROW
- WHY
 - Growers continued increased NOW control activities
 - HOST PLANT SUSCEPTIBILITY

HOST PLANT SUSCEPTIBILITY

- NOW larvae can't chew through intact hulls
- Pistachio hulls frequently degrade during maturity
 - Softer, thinner, tears, early splits
- EARLY SPLITS WERE LOW
- HULL INTEGRITY WAS GOOD THROUGH HARVEST

ANNUAL VARIABILITY IN NOW DAMAGE

- DAMAGE
 - GOOD YEARS (2010, 2018- 2021)
 - IN-BETWEEN YEARS (2008-2009, 2011-2012)
 - BAD YEARS (2007, 2013-2017)
- NOW CONTROL PROGRAMS RIGOROUSLY APPLIED
CAN IMPROVE OUTCOME FOR INDIVIDUAL GROWERS



STERILE INSECT TECHNOLOGY (SIT)

- RELEASE AREA EXPANDED
 - LESS INTENSIVE GROWER CONTROLS
- CDFA TRAPPING
- SIGNIFICANT NUMBERS TRAPPED
 - An improvement year over year
 - Not at levels that would give significant control

MYCOTOXINS (EU)

- AFLATOXIN
 - Significant regulation across many commodities
 - PEAR Program
- Ochratoxin A (OTA)
 - Regulation in grain, some meats
 - Limits for pistachios have been proposed
 - 5 ppb for finished, 10 ppb for further processing
 - Could be trade disruptive particularly in years like 2016, 2017

MEALYBUG CONTROL

- Some issues with imidacloprid residual levels at harvest
 - Processors discouraged use in 2021
- Registrant conducted field trials in 2021 but data not yet available
- 70% of the pistachio crop is exported and many of the export markets are very sensitive about pesticide residues
- Expect restrictions on pesticide use if there isn't supporting pistachio data



CPRB CONTINUATION HEARING

- Time for the 5 year continuation hearing
 - Notification mailed to all pistachio producers by CDFA
- Normally done following Pistachio Day in a separate conference room
- Virtual hearing tomorrow afternoon
- Please provide input!

**Notice of Public Hearing
To Consider the Continuation of the
California Pistachio Research Program**

Hearing Date: January 20, 2022

TO ALL CALIFORNIA PISTACHIO PRODUCERS AND OTHER INTERESTED PARTIES:

The California Department of Food and Agriculture (Department) is calling a public hearing to receive testimony and evidence from the California pistachio industry and the general public regarding whether the California Pistachio Research Program (Program) should be continued. The Department is required to conduct such a hearing every five years to determine whether the Program tends to fulfill the declared purposes of the California Marketing Act (Act), under which the Program was created. The last public hearing regarding the continuation of this Program was conducted in early 2017.

The hearing will be conducted online via videoconference and by teleconference. There will be no physical meeting location for attendees. The hearing is scheduled for the date and time indicated below. Please use the link provided below to join the hearing via Zoom or the telephone number provided below to join the hearing via teleconference. Please see the instructions attached to this notice for detailed information regarding public participation.

Date and Time	Webinar/Teleconference
Thursday January 20, 2022 Beginning at 1:00 p.m.	Join by Zoom: https://us06web.zoom.us/j/86924786561 Passcode: ?.&7yih Join by Telephone: 1-669-900-6833 Meeting ID: 869 2478 6561 Passcode: 77991269



THANK YOU!