

Agenda



- 1) Overview of the Almond Board of California (Kent/Richard)
- 2) Almond bearing and non-bearing acreage USDA/NASS (Kent/Richard)
- 3) Land IQ remote sensing analytics Almonds and California agriculture (Joel)
- 4) Impacts of SGMA (Joel)
- 5) Almond production estimates and actual (Kent/Richard)
- 6) Almond bearing acreage and production outlook (Kent/Richard)
- 7) Global almond shipments (Kent/Richard)
- 8) ABC Market Development building demand ahead of supply (Kent/Richard)
- 9) Almond industry initiatives (Kent/Richard)
- 10) Almond farming continuous improvement and experimentation (Kent)
- 11) Question and answer





Almond Board of California (ABC)

- Grower-enacted "Federal Marketing Order" established in 1950
 - Represents growers and handlers (processors)
 - "Quasi governmental"
 - Non-profit organization
- Under USDA supervision
- Funded by assessment \$.03/lb
- Does not sell, set, track, or quote almond prices
- Broad-based program
 - Global Market Development
 - Scientific Research
 - Industry Education
 - Quality and Food Safety
 - Regulatory Issues

2020 – 2021 Board of Directors











Paul Ewing

Brian Wahlbrink, Vice Chair

Holly A. King

Alexi Rodriguez

Todd Meyer







George Goshgarlan Jr.



Kent Stenderup, Chair



Mel Machado



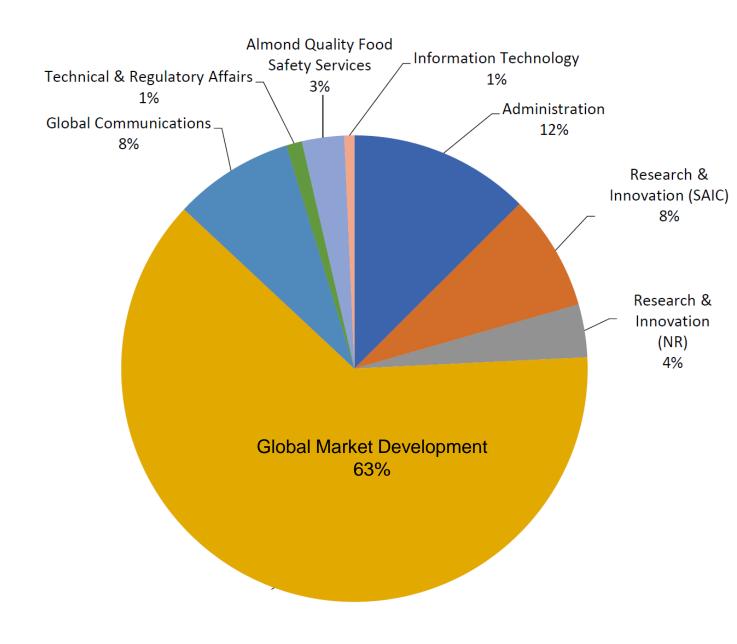
BIII Morecraft

57 employees based in Modesto, New Delhi, London, Shanghai, Seoul

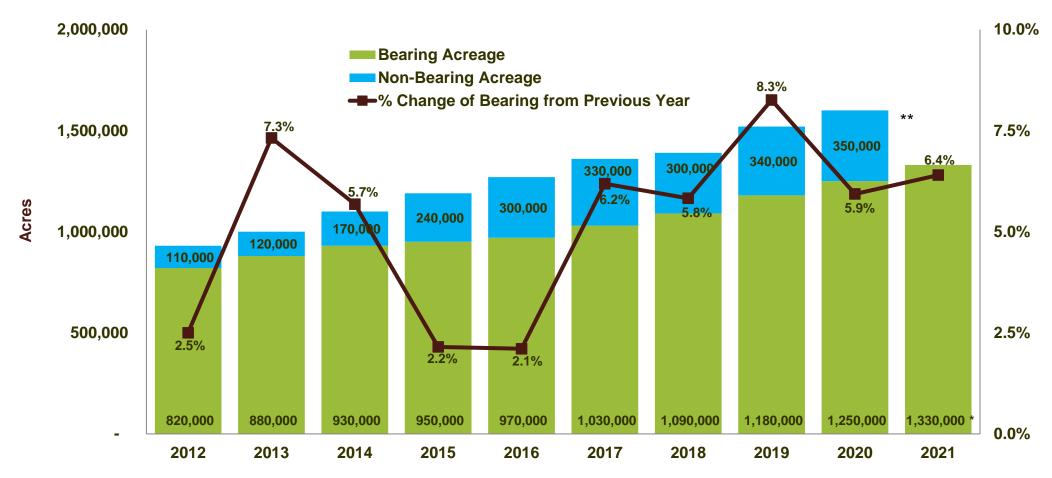


FY 2020 – 2021 Budget

FY 2020–2021 Budget \$83,631,027

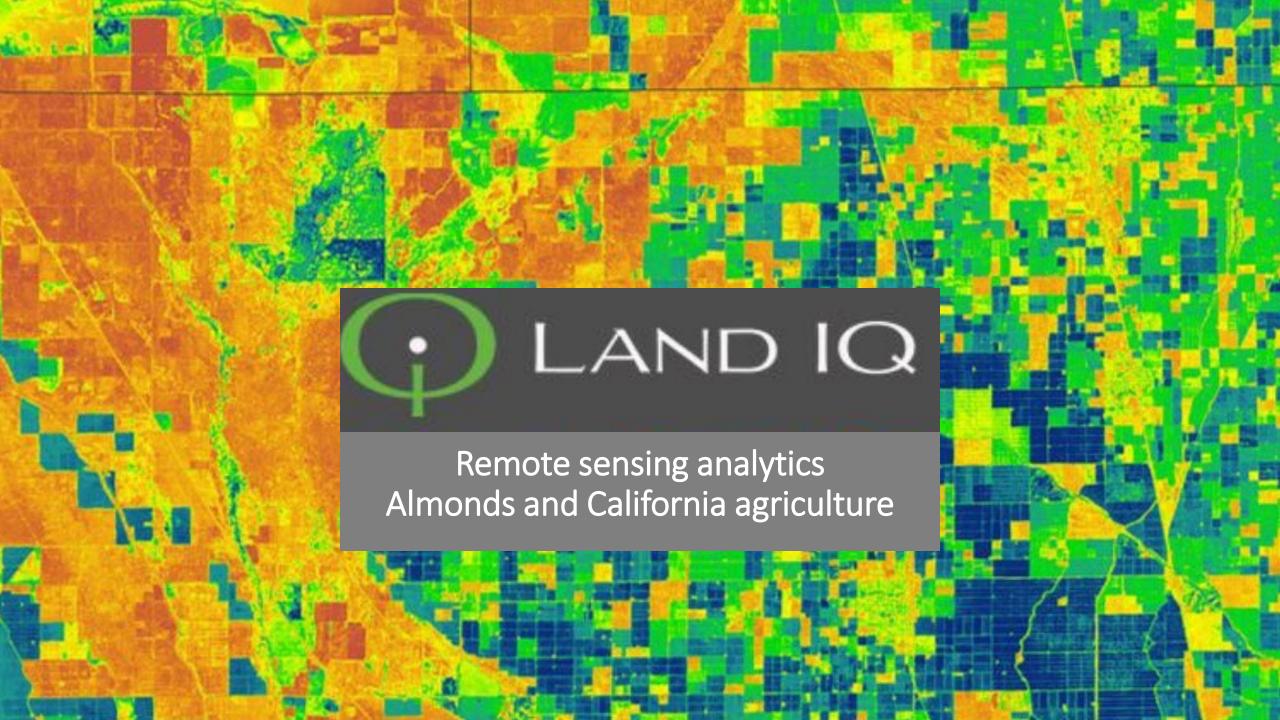


California Almond Acreage



Source: USDA Agricultural Statistics Service, Pacific Region (NASS/PR) 2020 Acreage Report *Estimate **Non-bearing acreage for 2021 available in April 2022.



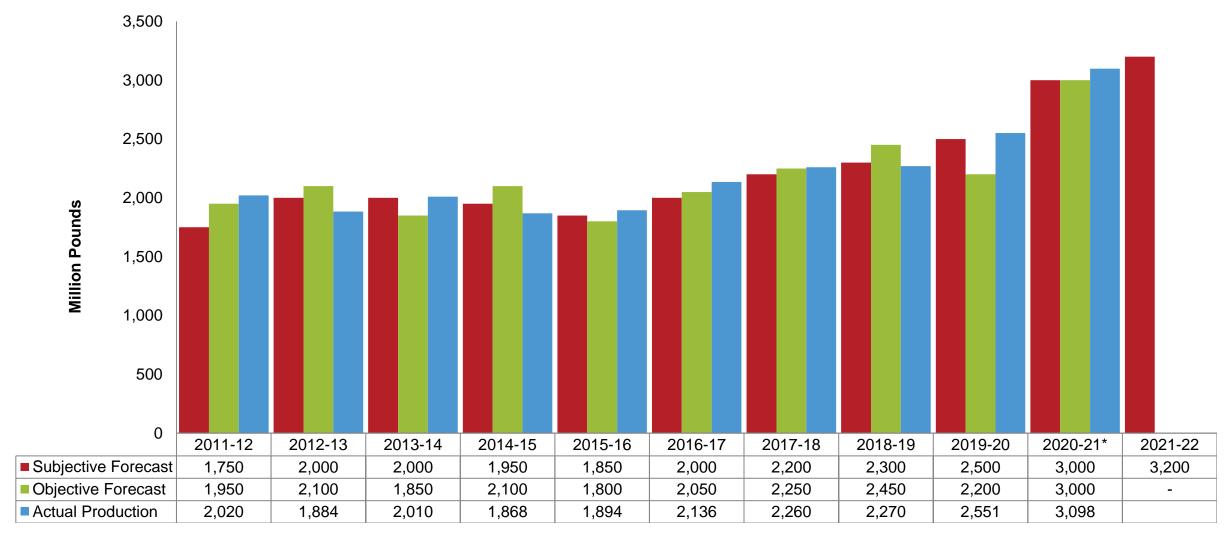


Impacts of SGMA Adjudicated Basins County Boundary Hydrologic Region Boundary San Francisco

- •Groundwater supplies 38%-46% of total California water use.
- 94 basins must create a Groundwater Sustainability Plan.
- •Estimated 6.9 million acres of critically over drafted basins in the San Joaquin Valley.
- •1.8 to 2.4 million acre-feet of annual average overdraft.
- •Fallowing of up to 750,000 acres.
- Increased water value and prices.
- •Land values more dependent upon sustainable water supply.



California Almonds Production Estimates

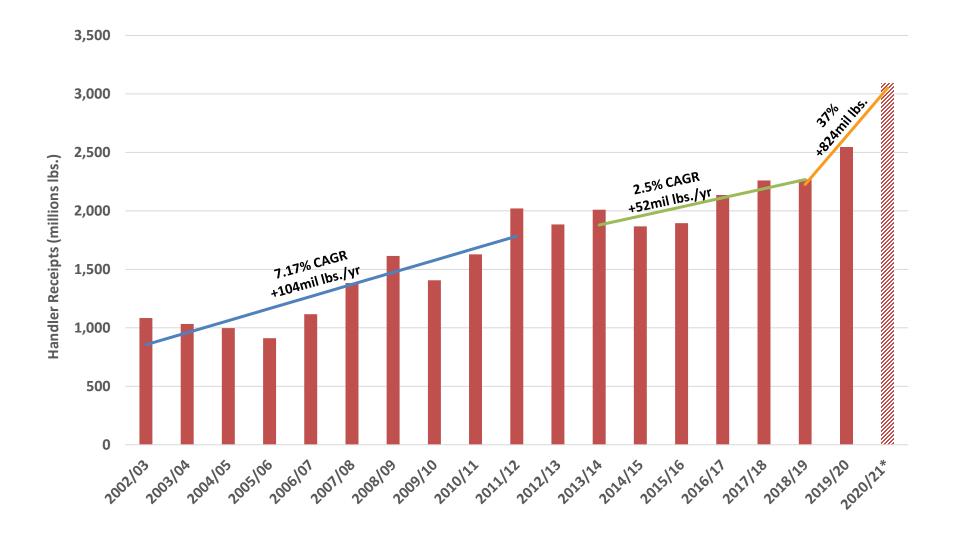


Source: USDA/NASS, ABC Form 1

*Production YTD (8/1/2020-4/30/2021)

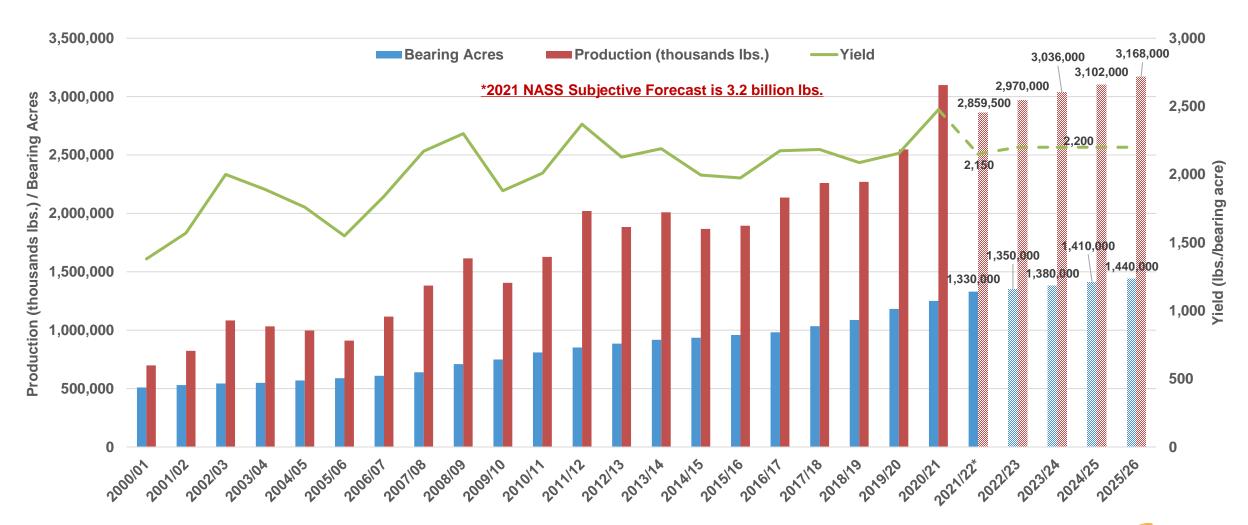


California Almonds Product Growth





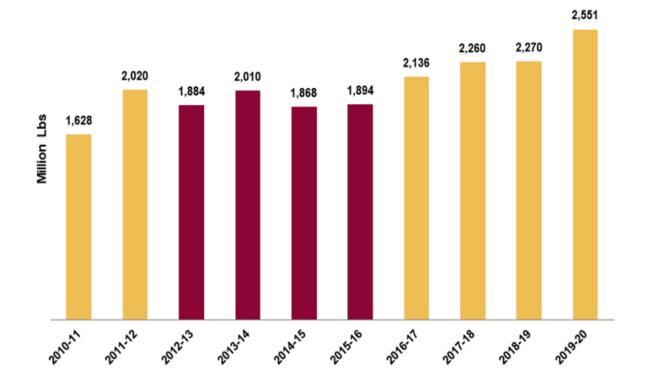
Production Forecast Model



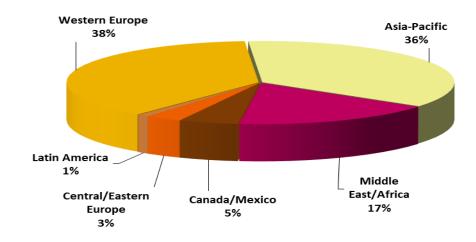


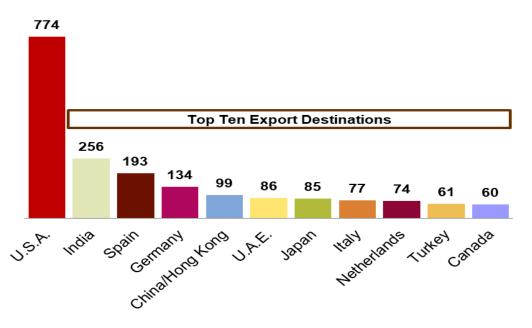


2019/20 California Almond Shipments



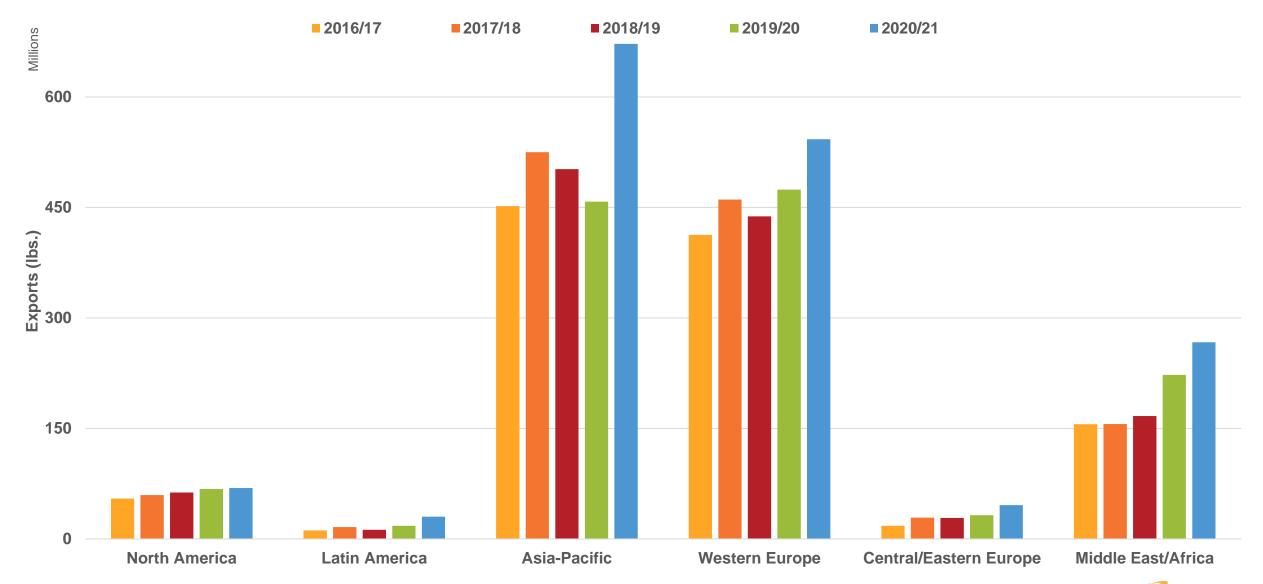
ALMOND EXPORTS BY REGION 2019/2020







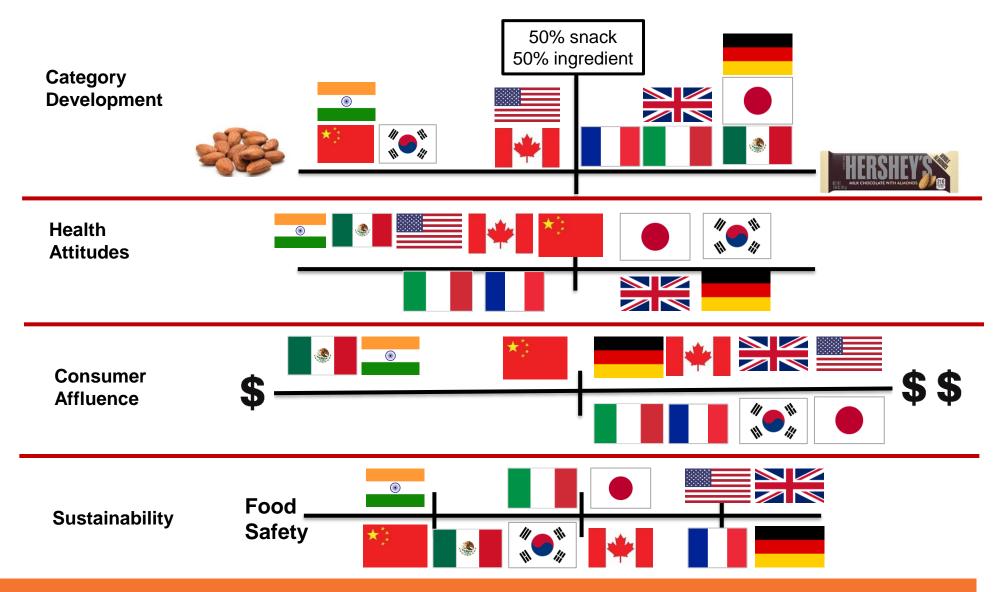
Exports by Region – YTD (August – April)



California almonds



Each one of the 11 markets is different

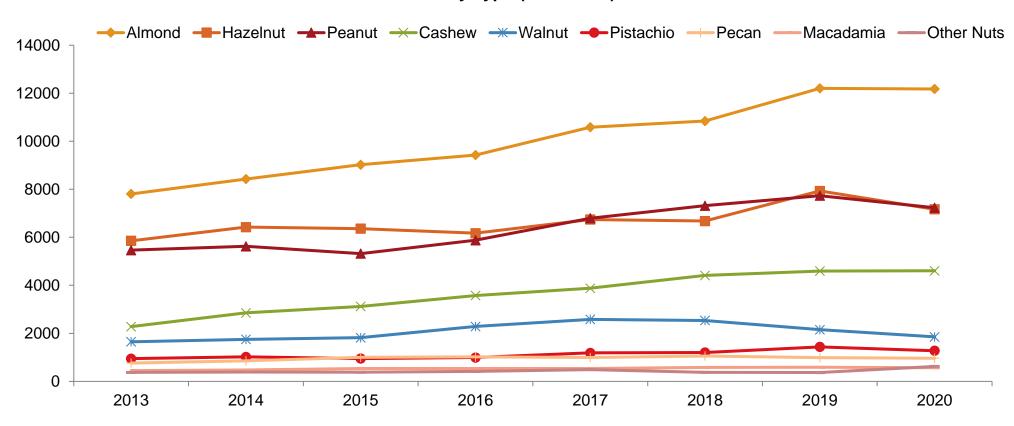




Almonds remains the leading nut type in 2020 by a wide margin

Every nut type lost out in 2020 but almonds lost the least in the new product introductions battle!

Nut Introductions by Type (2013-2020)



^{*}Other Nuts include non specified and mixed nuts.



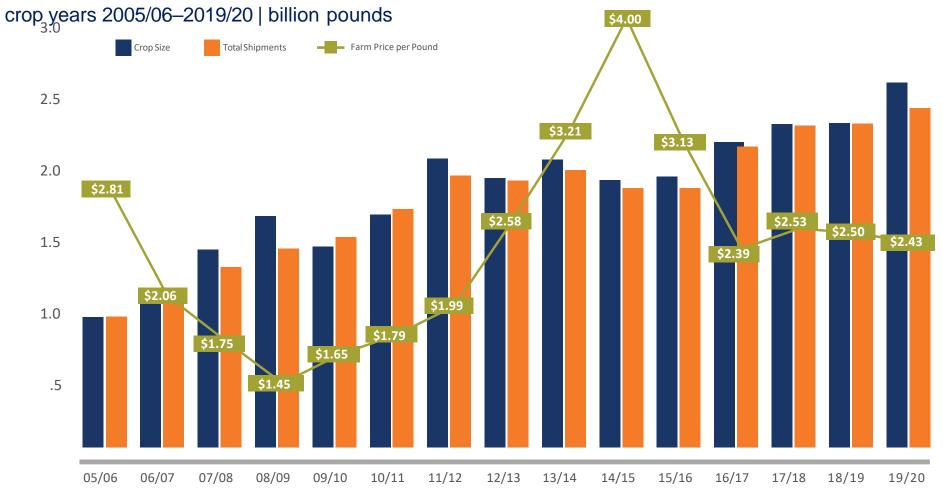
^{**}Global Nut Introductions is lower than the sum of the nut types, since products containing more than one type of nut are counted only once.

Goal to increase Demand ahead of Supply

Historical Crop Size + Shipments vs. Farm Price

Consistently striving to drive demand ahead of supply

Past 15 years are evidence of strong demand growth

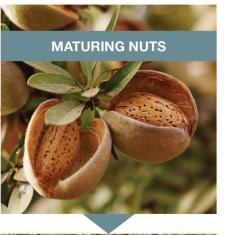


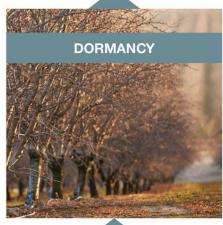


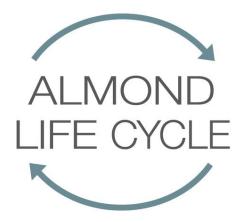








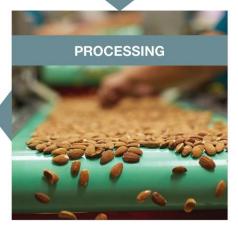














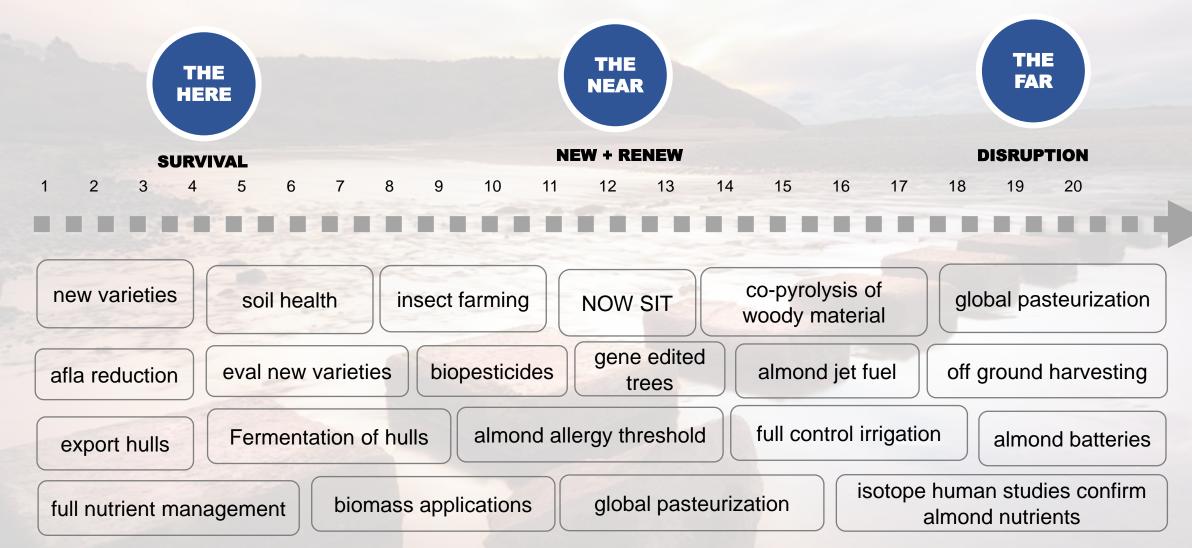








Innovation continuum



Off-ground journey

Harvesting the kernels







Drying the kernels











ABC investment in Biomass research since 2015 - We learned A LOT and increased awareness





LBS) BILLION **DISTRIBUTION** (5.07 LESHY COPRODUCTS

CURRENT USES

BEDDING

ALTERNATIVE ENERGY **GENERATION** MULCH

Almonds | Biomass | Coproducts

- Keep in the orchard
- 1. Feed uses (Dom. & Export
- Send for co-gen/next gen processing
- 2. Higher value added, niche products (food, non-food)

20 biomass projects funded for total of \$2.1 million

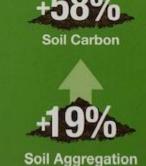
Benefits of Whole Orchard Recycling



- **Biosolarization**
- **Torrefaction of shells**
- Blackcarbon

Working on opening china market for pellitized hulls







Water Holding Capacity



As a Federal Marketing
Order, Almond Board
employees are precluded
from undertaking any
activities that would be
considered lobbying and/or
influencing legislation.

Since 2013, ABC has maintained an agreement with the Almond Alliance of California This has allowed the Almond Alliance to utilize ABC staff expertise in a consulting role to facilitate advocacy initiatives undertaken by the Almond Alliance.

Issues covered under the Agreement ■ Water – both availability and quality ☐ Trade – market access/tariffs/trade agreements □ Pest Management – pesticide registration, **MRLs ☐** Biomass ☐ Proposition 65 ☐ Issues that may arise during the year



The Almond Alliance is fully dedicated to advocating for policies and legislation which benefit and protect the entire California almond industry. AAC members include almond processors, hullers/shellers, growers and allied businesses.

The Alliance is focused on being a voice for California's almond industry, monitoring state and federal legislation and engaging where bills would be beneficial or alternatively could damage the almond industry.

Questions?





