



the Almond
CONFERENCE
2019

Almond Orchard 2025 Goals: The Roadmap to Success

 **california
almonds**
Almond Board of California



Almond Orchard 2025 Goals

The Roadmap to Success





REDUCE THE AMOUNT OF
WATER USED TO GROW A
POUND OF ALMONDS BY **20%**



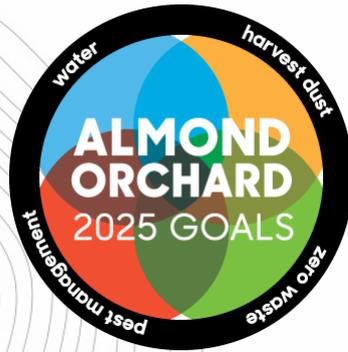
REDUCE **DUST** DURING ALMOND
HARVEST BY **50%**



INCREASE ADOPTION OF
ENVIRONMENTALLY FRIENDLY
PEST MANAGEMENT TOOLS BY
25%



ACHIEVE **ZERO WASTE**
IN OUR ORCHARDS BY PUTTING
EVERYTHING WE GROW TO
OPTIMAL USE



roadmap



water efficiency

FURTHER REDUCING THE WATER
USED TO GROW ALMONDS



air quality

IMPROVING LOCAL AIR QUALITY
DURING ALMOND HARVEST



pest management

INCREASING ADOPTION OF
ENVIRONMENTALLY
FRIENDLY PEST MANAGEMENT
TOOLS

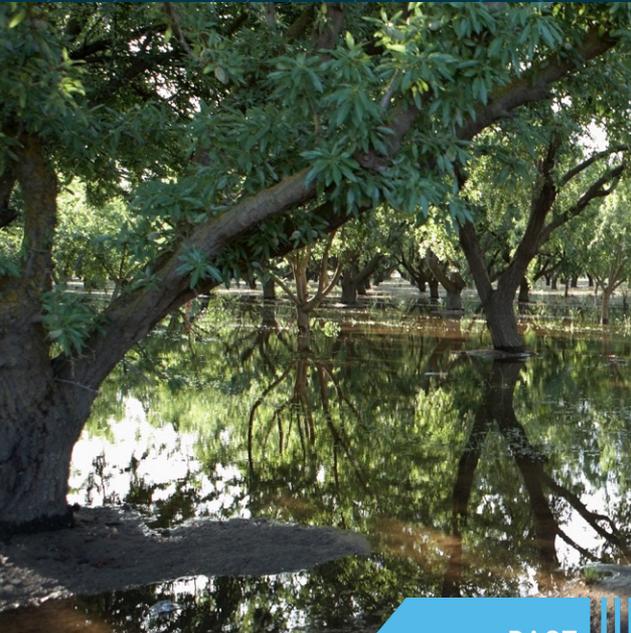


zero waste

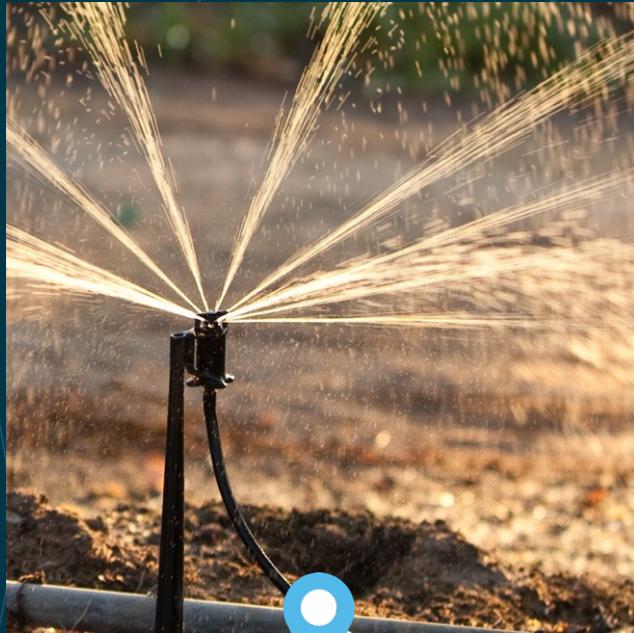
ACHIEVING OPTIMAL USE
OF EVERYTHING WE GROW



water efficiency



PAST



PRESENT



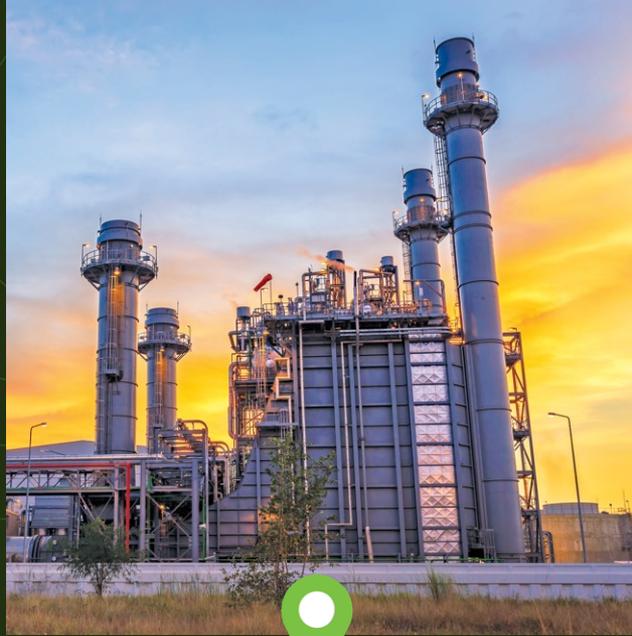
FUTURE



zero waste



PAST



PRESENT



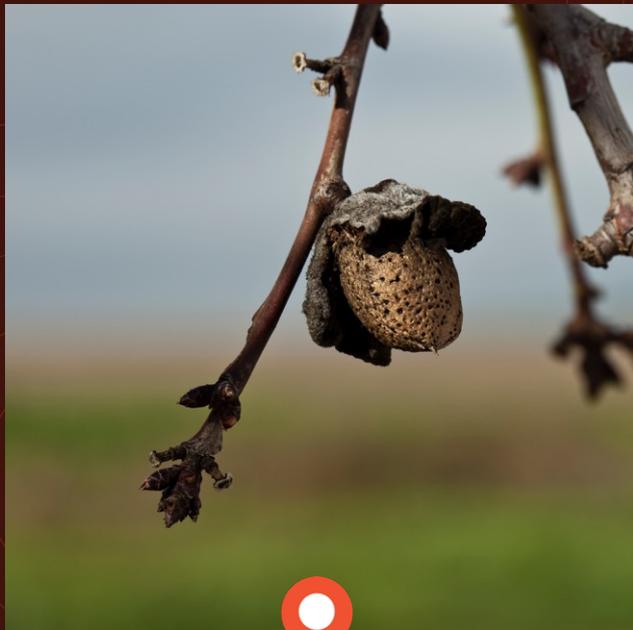
FUTURE



pest management



PAST



PRESENT



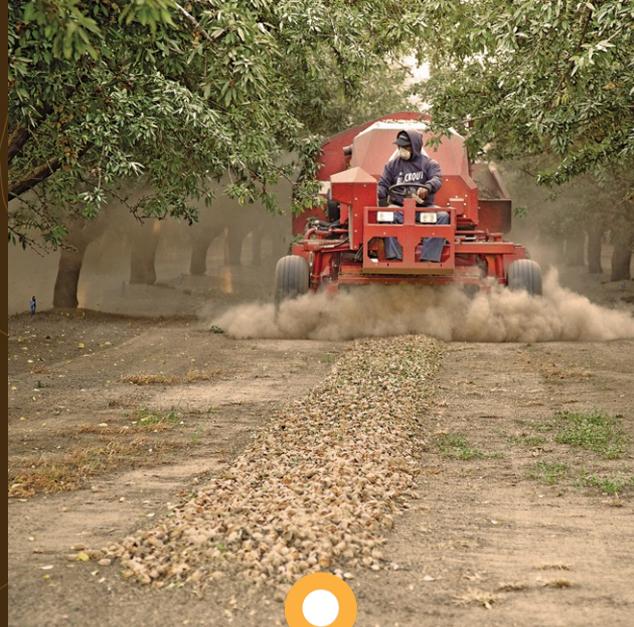
FUTURE



air quality



PAST



PRESENT



FUTURE



MEASURING PROGRESS THROUGH CASP



water efficiency

**FURTHER REDUCING THE WATER
USED TO GROW ALMONDS**

MORE CROP: INCREASING YIELD BY TIMING OF WATER & NUTRIENTS

PER DROP: IRRIGATION SYSTEM PERFORMANCE



pest management

**INCREASING ADOPTION OF
ENVIRONMENTALLY
FRIENDLY PEST MANAGEMENT
TOOLS**

**PROVEN CULTURAL PRACTICES
& ALTERNATIVES TO REDUCE
SPRAYING
+
REDUCING SPRAY DRIFT
+
BEE BEST MANAGEMENT
PRACTICE**

Key IPM Systems

Navel Orangeworm

sanitation, mummy survey, timely harvest, mating disruption

Mites

monitor natural predators & threshold based spraying

Alternaria Leaf Spot

monitoring temperature & moisture levels to predict severity

Hull Rot

SDI during hullsplit & precision N application

Weeds

only spray in tree rows & then spot spraying

Use of low dust harvesters

**Journey toward variations of
off-ground harvesting**

**Researching impact of
conditioning before pickup**



**75% OF DUST COMES FROM THE
HARVESTER DURING PICKUP**

**HULL & SHELLS GO TO HIGHER VALUE USES BEYOND CALIFORNIA
DAIRIES**

MOVE AWAY FROM OPEN BURNING

WHOLE ORCHARD RECYCLING



zero waste

**ACHIEVING OPTIMAL USE
OF EVERYTHING WE GROW**

**THE MORE PARTICIPANTS IN CASP
MORE REPRESENTATIVE MEASURE OF PROGRESS IS
ACROSS THE INDUSTRY**

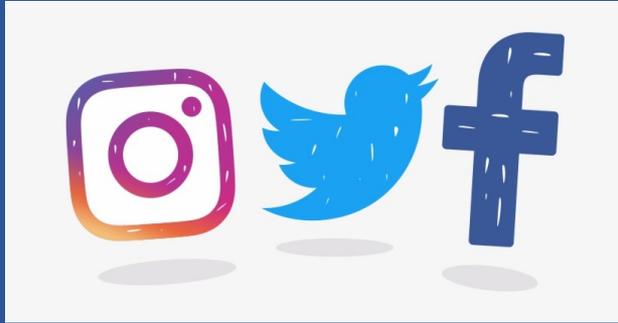


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