

STATE OF THE INDUSTRY

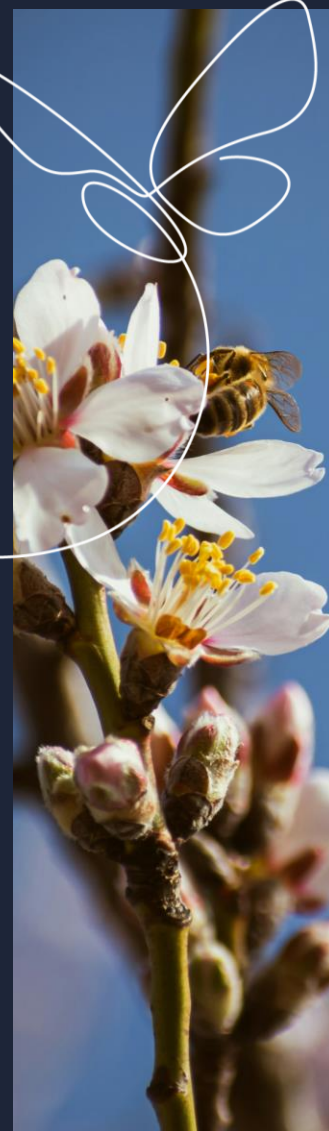


ROOTED TOGETHER
THE ALMOND CONFERENCE

STATE OF THE INDUSTRY



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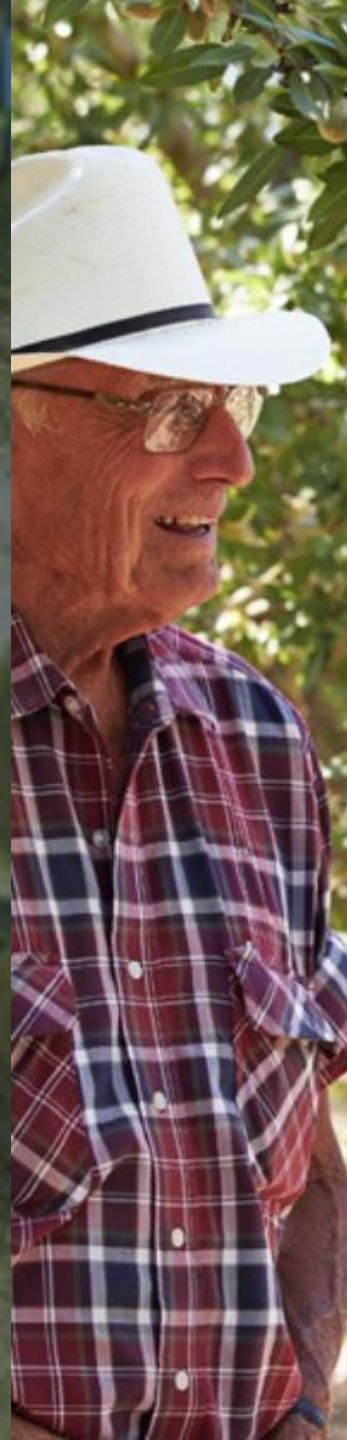






2024

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**Make life better by
what we grow and
how we grow.**

ALMOND BOARD OF CALIFORNIA





Getting the most out of every drop

33%

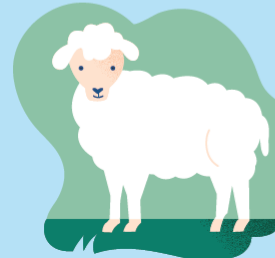
reduction in water used to grow each almond between 1990s–2010s

15%

more reduced between 2018–2022, part of a 20% reduction goal by 2025

Nothing goes to waste

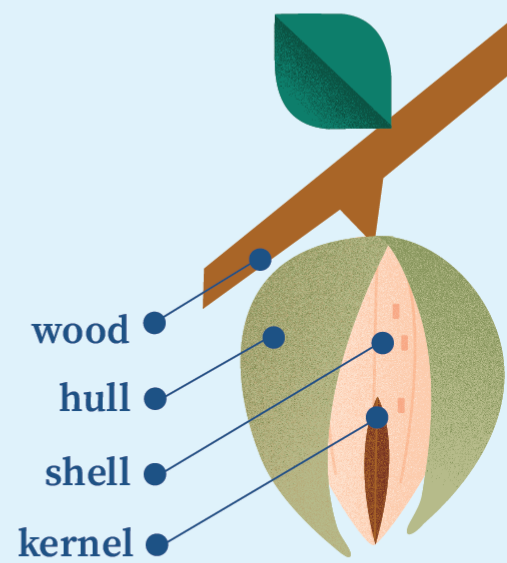
Trees store carbon and are **transformed into electricity** or ground up into the soil at the end of their lives.



Shells become **livestock bedding.**



Hulls are nutritious **dairy feed.**



Reducing the water needed to grow other feed *crops*

=

440 billion gallons of water



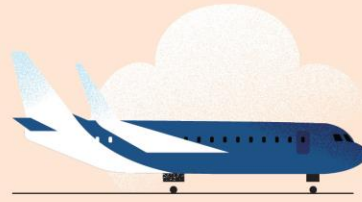
Climate smart farming

Almond trees store a lot of *carbon*



30 million
metric tons of carbon

=



3,134
Boeing 737s

or



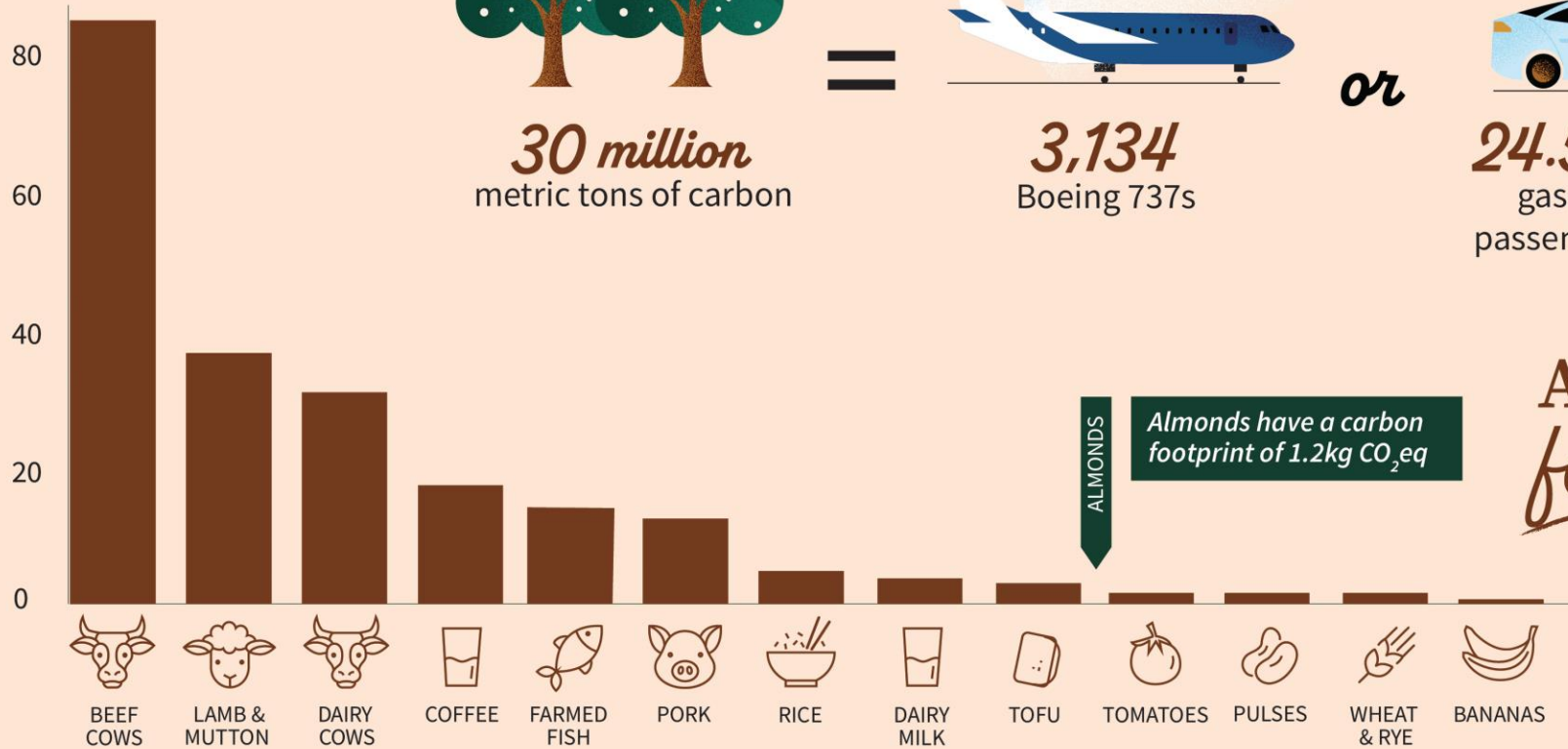
24.5 million
gas-powered
passenger vehicles

or



29
coal-fired
power plants

Greenhouse gas emissions per kilogram of food product (kg CO₂eq)



Almonds have a carbon footprint of 1.2kg CO₂eq

And have a low carbon *footprint*





ALMOND HULLS









Study finds eating almonds boosts post-exercise muscle recovery and performance

A study published in *Frontiers in Nutrition* found that consuming almonds can reduce muscle soreness and improve performance during exercise recovery. Oliver C Witard stated that almonds are nutrient-dense and ideal for fitness recovery. [Read More](#)



A new study published in the journal *Frontiers in Nutrition* has found that eating almonds may reduce some feelings of muscle soreness during exercise recovery and improve performance in specific tasks. The study included non-smoking participants who were mildly overweight and occasionally physically active but were not trained athletes.



Strategic Priorities

- Drive global demand for California almonds
- Support a favorable trade and regulatory environment
- Maximize industry value
- Optimize ABC Value

ALMOND BOARD OF CALIFORNIA

Thank You to Our Metal Sponsors



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OPTICAL SORTERS & MORE

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The Almond Conference

CONGRATULATIONS TO THE 2024 ALMOND LEADERSHIP PROGRAM GRADUATES



- Ziv Attia, Phytech
- Andy Barahate, Central California Almond Growers Association
- Gurajan Brar, Brar & Sons Farms
- Matthew Brocato, Phytech
- Mark Cavallero, Sierra Valley Almonds
- Zachary Days, Cal Coast Almond Processing, Inc.
- Mallory Dodds, Gowan USA
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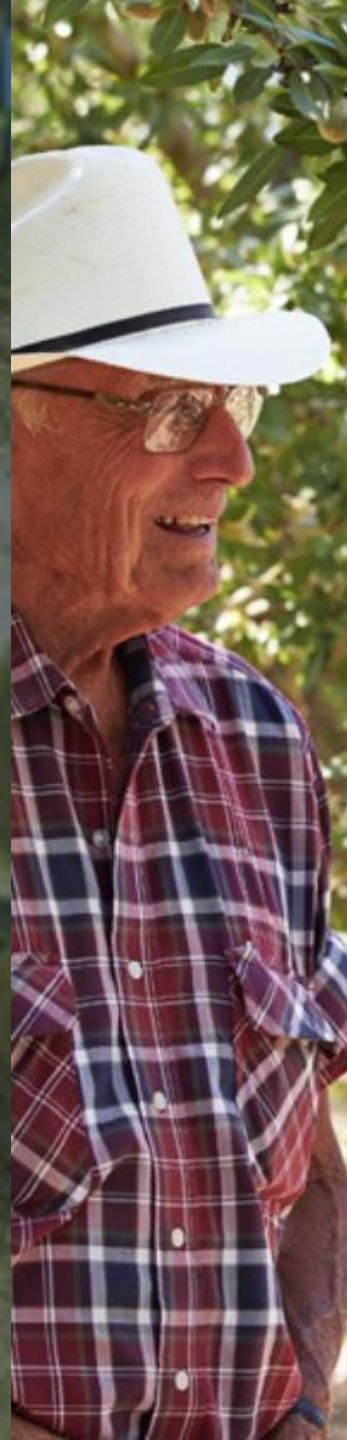


The Almond Conference



2024

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SCOTT CLEMONS

CFA, Partner and Chief Investment Strategist

BROWN 
BROTHERS
HARRIMAN



NEIL ZACKY
DERCO

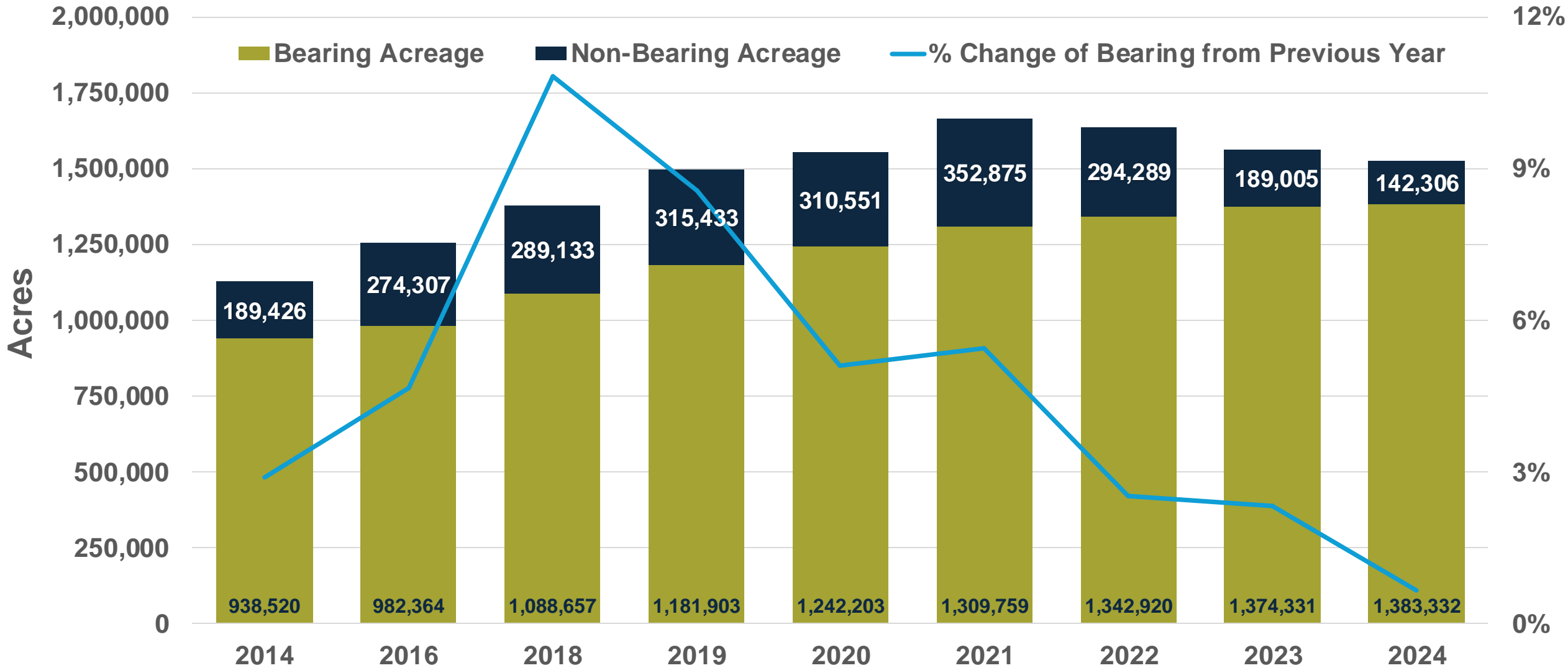


CHAD DEROSE
Famoso Nut

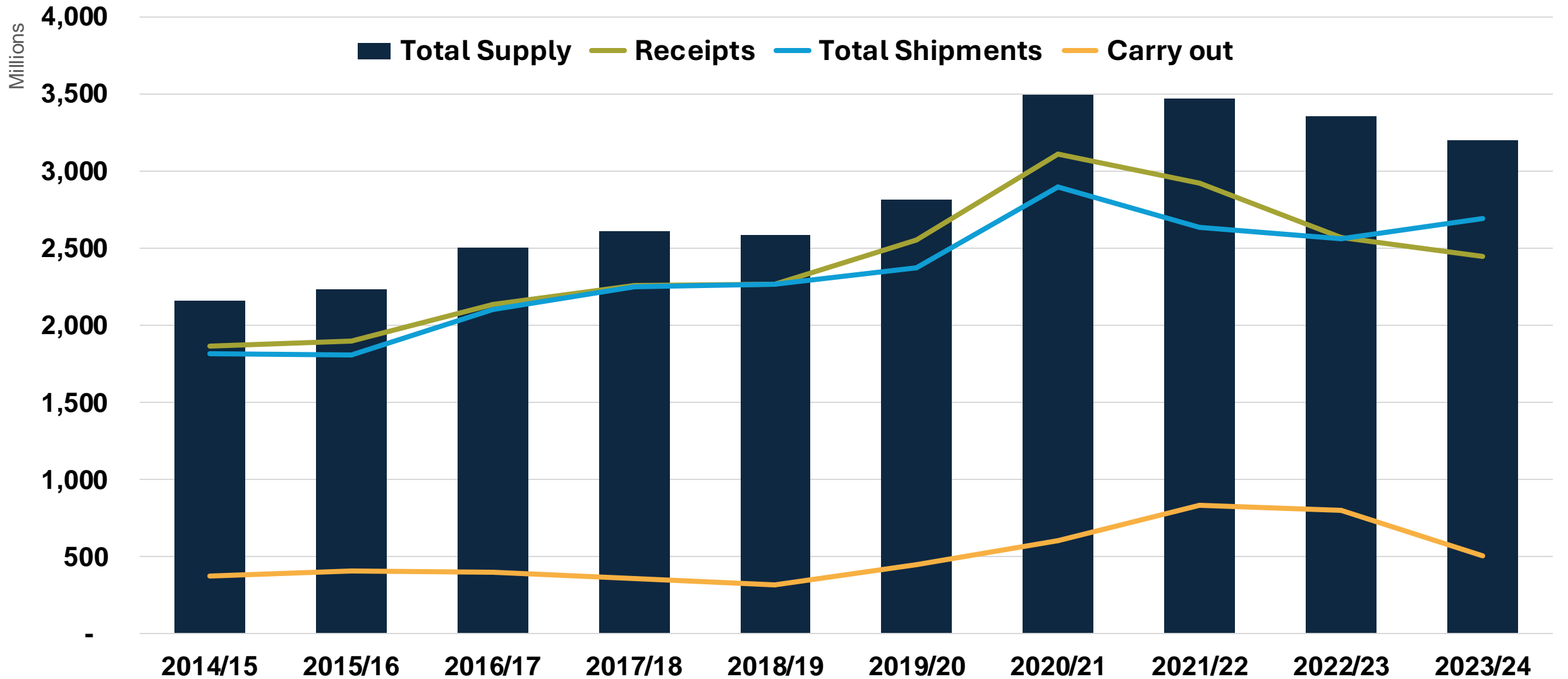


MIKE FENN
The Almond Company

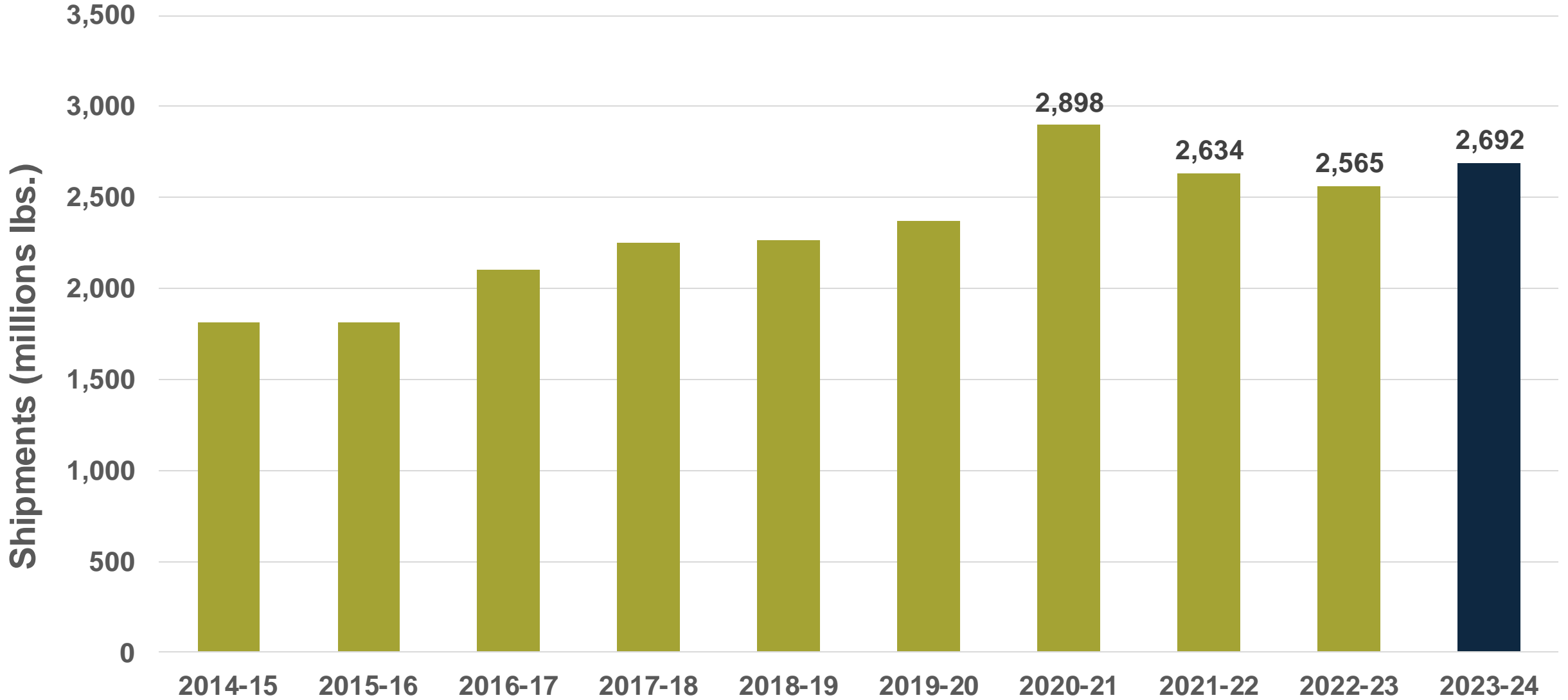
California Almond Acreage



Total Receipts / Total Supply



Total Shipments





NEIL ZACKY
DERCO



CHAD DEROSE
Famoso Nut



MIKE FENN
The Almond Company



BRANDON REBIERO
Co-Founder and Head of
Farming



JOSETTE LEWIS
Chief Science Officer



JULIE ADAMS
Vice President, Global
Technical & Regulatory
Affairs



ALMONDS

#1

US AG EXPORT TO:
India and UAE

#2

US AG EXPORT TO:
EU and Morocco







BRANDON REBIERO
Co-Founder and Head of
Farming



JOSETTE LEWIS
Chief Science Officer



JULIE ADAMS
Vice President, Global
Technical & Regulatory
Affairs





Doug McKalip
USTR Chief Ag Negotiator





BRANDON REBIERO
Co-Founder and Head of
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JOSETTE LEWIS
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JULIE ADAMS
Vice President, Global
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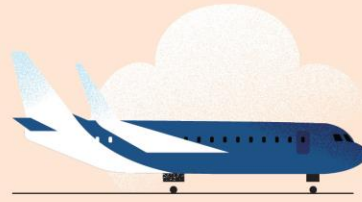
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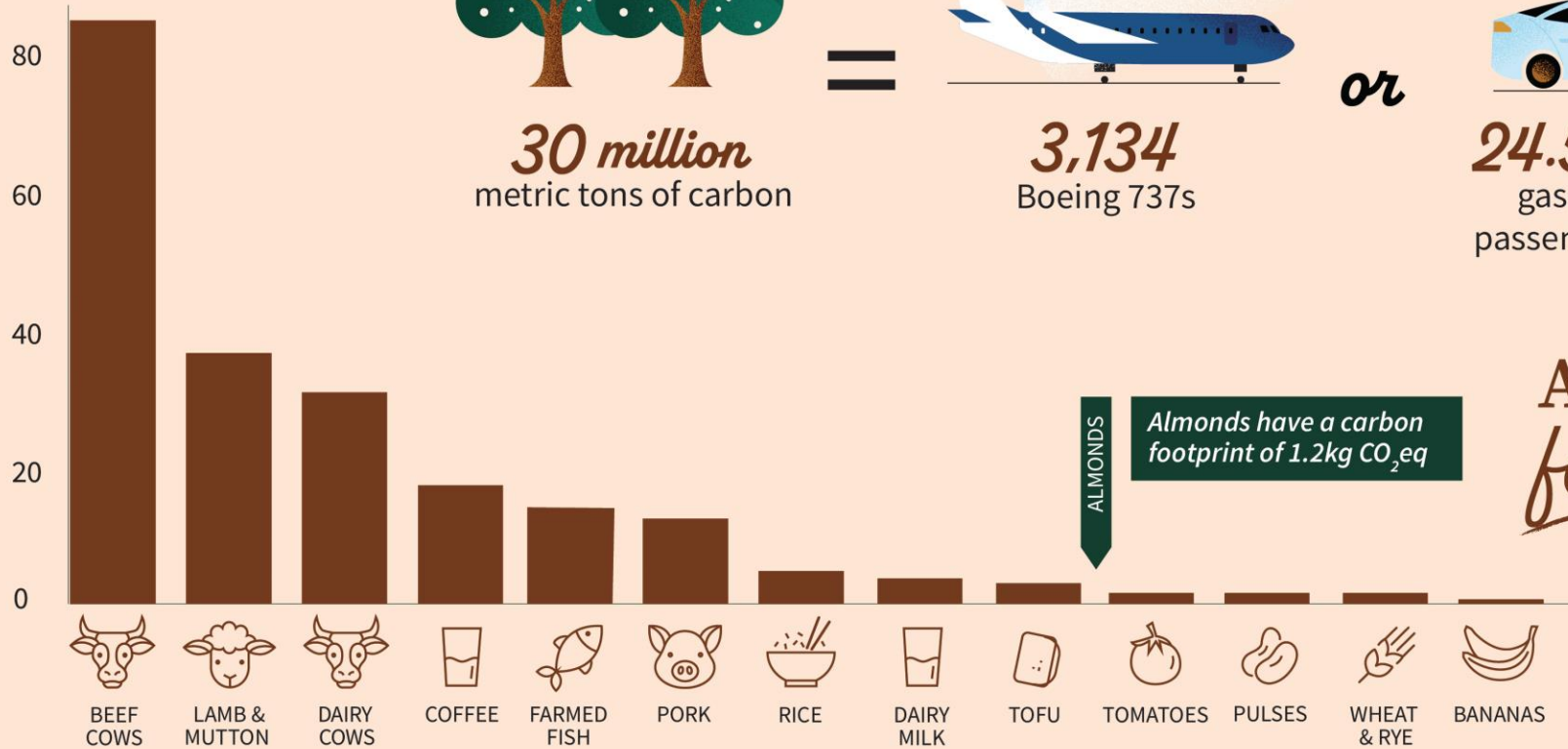
24.5 million
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29
coal-fired
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Greenhouse gas emissions per kilogram of food product (kg CO₂eq)



ALMONDS

Almonds have a carbon footprint of 1.2kg CO₂eq

And have a low carbon footprint









JARED SMITH
Vice President,
Sales & Marketing



EMILY FLEISCHMANN
Vice President,
Global Market Development

'They gave us almonds': Rescuers who first met workers inside Uttarakhand tunnel

Experts in the rat-hole mining technique, who were the first ones to meet the 41 labourers rescued from the Silkyara tunnel in Uttarakhand said the trapped workers were very happy and offered them almonds.

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Check the facts.

Beware of highly forwarded messages.

Help fight misinformation. WhatsApp has safety tools to help spot suspicious messages labeled with the double arrow icon, as they may be false. [Learn more](#)



Uttarakhand Chief Minister Pushkar Singh Dhami and Union Minister of State VK Singh with rescue officials after the successful evacuation of 41 workers from the collapsed Silkyara Tunnel, in Uttarakhand. (Photo: PTI)



Press Trust of India

Uttarkashi, UPDATED: Nov 29, 2023 13:04 IST

Posted By: Poulami Kundu

Feroze Qureshi and Monu Kumar, experts in the rat-hole mining technique, were the first to meet the 41 labourers rescued from the Silkyara tunnel in Uttarakhand on Tuesday after they cleared the last bit of the rubble inside the structure.

बादाम के फायदों को हल्के में लेने की न करें भूल, उत्तरकाशी टनल में फंसे मजदूरों के लिए ऐसे बने थे रामबाण

बादाम कैसे बने रामबाण?

NEWS 18
हिंदी



सभी मजदूरों को सुरक्षित बचा लिया गया. (PTI)

Uttarkashi Tunnel Collapse: रेट होल माइनिंग तकनीक की मदद से सभी मजदूरों को उत्तरकाशी टनल से बाहर निकाला गया था. इस तकन ...अधिक पढ़ें

NEWS18 हिंदी

LAST UPDATED : DECEMBER 2, 2023, 16:09 IST



WRITTEN BY : संदीप गुप्ता



Uttarakhand CM Pushkar Singh Dhami and Union MoS for Road Transport & Highways VK Singh greet rescued workers coming out of the collapsed Silkyara Tunnel in Uttarkashi district on November 28 evening | PTI

Uttarakhand

Silkyara tunnel collapse | Workers greet rescuers with almonds; Diwali back home

CM Dhami announces Rs 1 lakh for each worker; Centre to conduct safety audit of under-construction tunnels; local deity's shrine to be rebuilt

7 mins read

'Fed me almonds': How trapped workers reacted when they first met rescue workers inside Uttarakhand tunnel

'They hugged us, lifted us, and thanked us for taking them out,' said Feroze Qureshi and Monu Kumar, experts in the rat-hole mining technique, who were the first to meet the 41 labourers inside the Silkyara tunnel in Uttarakhand

FP Explainers | November 29, 2023 10:42:44 IST



When excavators and powerful drills had failed to bore through the debris, the work was eventually assigned to 12 "rat-hole miners," who was tasked with digging away at 12 metres of rubble. Image Courtesy: @jayanta_malla/X



For muscle recovery, I have almonds everyday!

Study conducted amongst people who exercise occasionally (less than three times per week). Nieman, D. C., Omar, A. M., Kay, C. D., Kasote, D. M., Sakaguchi, C. A., Lkhagva, A., Weldemariam, M. M., & Zhang Q. (2023). Almond intake alters the acute plasma dihydroxy-octadecenoic acid (DiHOME) response to eccentric exercise. *Front. Nutr.* doi: 10.3389/fnut.2022.1042719



Get almonds! ASAP!









Deion Sanders on all things football ahead of Super Bowl LVIII

NFL legend and now college football coach Deion Sanders stops by Radio Row to talk about his latest partnership with California Almonds ahead of Super Bowl LVIII.



Deion Sanders amps up recovery efforts up with the help of a key ingredient

Coach Prime has incorporated almonds into this regimen for a winning combination



The Real-Life Diet of Deion Sanders, Who Tries to Stay Away from KFC These Days

Coach Prime told GQ about eating until he's satisfied (but not full), keeping almonds on hand, and why he doesn't eat soul food every day anymore.







COLLEGE FOOTBALL 25



SPORTS

EA Sports College Football 25, among most anticipated sports video games in history, hits the market



SMOOTHIE KING X ALMONDS



“ABC’s Innovation White Paper is a great contribution to the entire industry and a pioneer in the industry. We are very grateful for such an initiative to help the industry’s development.” – CFNA Chairman Cao

*“Developing an Innovation White Paper is itself innovative.”
– INC Chairman*

The Tmall logo is displayed in a bold, red, sans-serif font. It is centered within a white, rounded rectangular area that is part of a larger black graphic. This graphic is a stylized representation of a cat's face, with the white area serving as the snout and the red text as the bridge of the nose. The black background forms the rest of the face, including the ears and whiskers.

T MALL



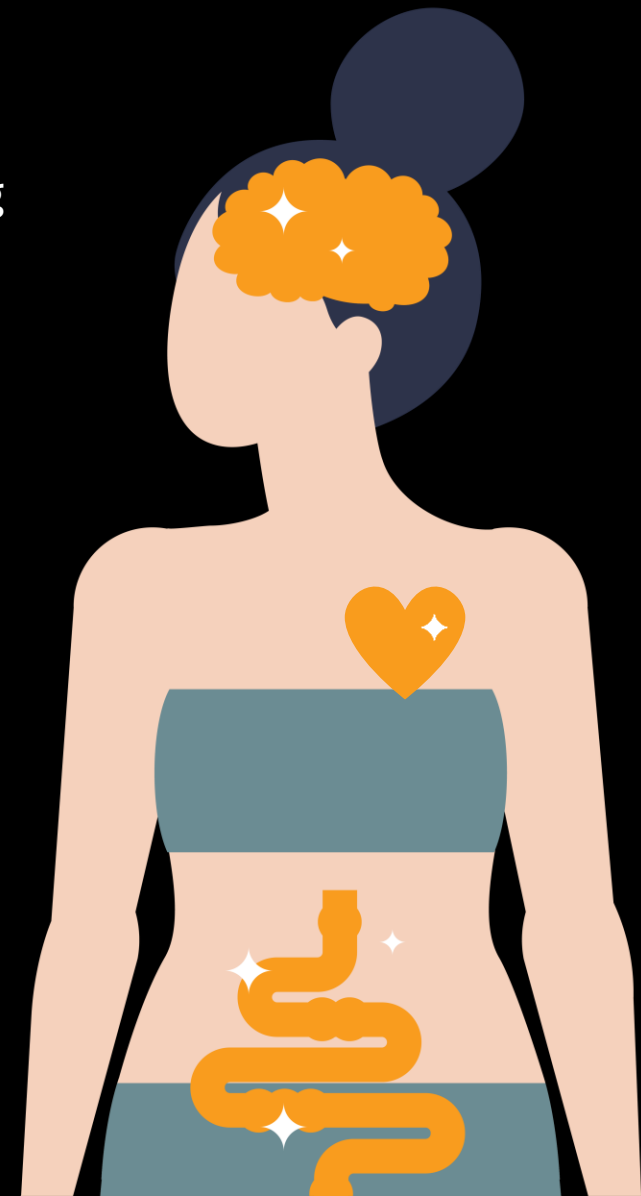
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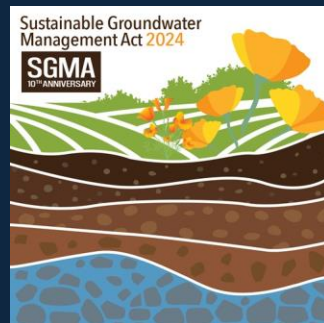


- Cellular Health and Aging
- Brain Health
- Energy
- Immunity
- Cardiometabolic Health





Culinary Institute
of America





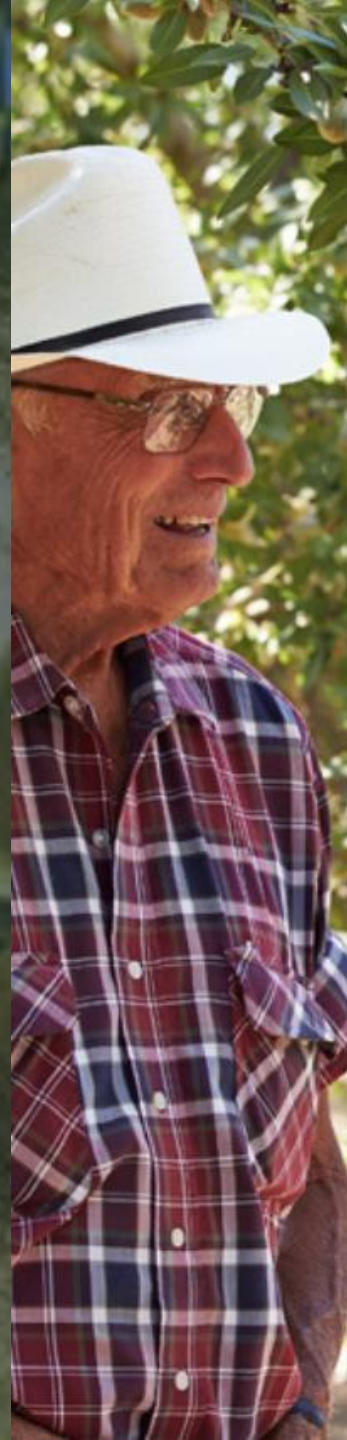






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Everything you get with a handful of *Almonds*



Almonds offer many benefits—from health and nutrition to contributing to climate solutions, zero waste and a range of regenerative agriculture practices. Almonds fit into simple, sustainable lifestyles as a responsibly grown food and ingredient.

Getting the most out of every drop¹

California almond farmers conserve water on their farms by adopting water-efficient technology like microirrigation and putting everything the orchard grows to good use.



Four crops for every drop

Water used to grow almonds actually grows four products: the kernel you eat, which grows in a shell, protected by a hull, on a tree productive for approximately 25 years.



Nothing goes to waste

Trees store carbon and are transformed into electricity or ground up into the soil at the end of their lives.



Reducing the water needed to grow other feed crops

Hulls can replace alfalfa hay pound for pound in up to 20% of dairy feed formulations, reducing the acreage needed to grow it by 386,000 acres and saving 440 billion gallons of water.²



Climate smart farming

Almond trees capture and store carbon dioxide, a greenhouse gas, in their wood and roots. This storage accumulates as the trees grow, reducing emissions and environmental impact.

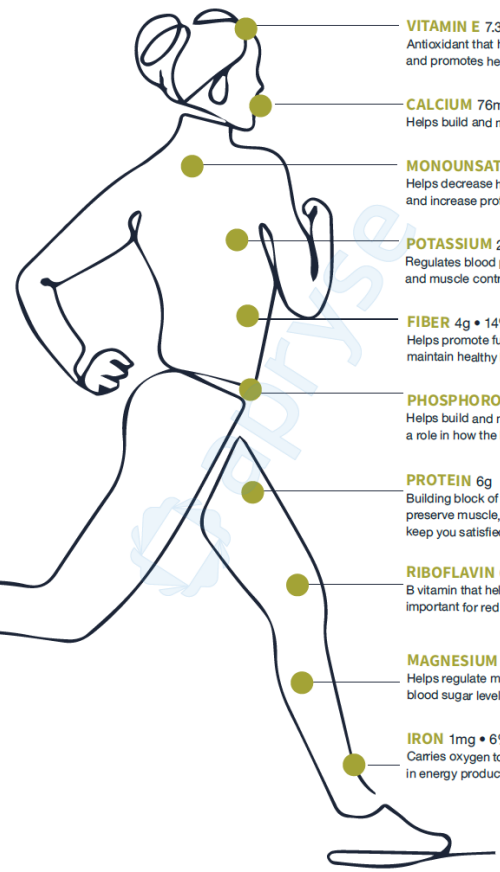
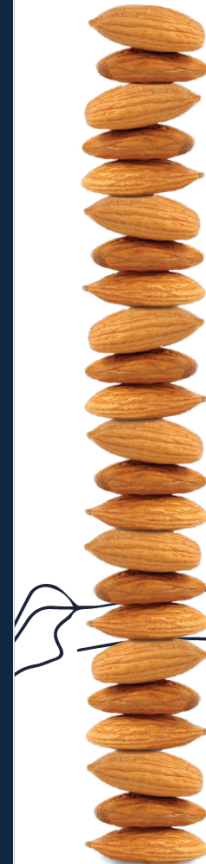
Almond trees store a lot of carbon

Compared to other fruit and nut trees grown in California, almonds store one of the highest amounts of carbon per acre—18 metric tons annually. When you look at carbon stored in all of California's almond trees (1.63 million acres), this nets out to 30 million metric tons.²



HEAD-TO-TOE NUTRITIONAL BENEFITS IN A 1-OUNCE SERVING OF ALMONDS

1 OUNCE / 28 GRAMS = 23 ALMONDS*



- VITAMIN E** 7.3mg • 50% DV
Antioxidant that helps protect cells from damage and promotes healthy skin and hair.
- CALCIUM** 76mg • 6% DV
Helps build and maintain strong bones and teeth.
- MONOUNSATURATED FATS** 9g
Helps decrease harmful LDL cholesterol and increase protective HDL cholesterol.
- POTASSIUM** 210mg • 4% DV
Regulates blood pressure; important for heart health and muscle contraction.
- FIBER** 4g • 14% DV
Helps promote fullness and digestive health and helps maintain healthy blood sugar levels.
- PHOSPHOROUS** 136mg • 10% DV
Helps build and maintain strong bones and teeth; plays a role in how the body uses and stores energy.
- PROTEIN** 6g
Building block of the body helps build and preserve muscle, bone, skin and nails and helps keep you satisfied.
- RIBOFLAVIN** 0.3mg • 25% DV
B vitamin that helps convert food into fuel; important for red blood cell production.
- MAGNESIUM** 77mg • 20% DV
Helps regulate muscle and nerve function, blood sugar levels and blood pressure.
- IRON** 1mg • 6% DV
Carries oxygen to all body cells; plays a role in energy production.

* Source for all nutrient values: USDA Nutrient Database for Standard Reference, FoodData Central. Survey (FNDDS) database.



OPENING RECEPTION

Sponsored By Farm Credit

TUESDAY

3:30 pm – 6:00 pm

Exhibit Hall



FARM CREDIT

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CoBank | Fresno Madera Farm Credit