

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 drop

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

used to grow each

almond between 1990s-2010s

between 2018-2022, part of a 20% reduction goal by

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

Shells become livestock bedding. their lives.

Hulls are nutritious dairy feed.

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.3





annual water use⁴



Olympic

swimming pools⁵

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

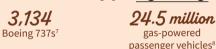
Compared to other fruit and nut trees grown in California, almonds store one of the highest amounts of carbon per acre—18 metric tons annually. When you look at carbon stored in all of California's almond trees (1.63 million acres), this nets out to 30 million metric tons.



30 million metric tons of carbon⁶

Equivalent to the annual emissions of:







coal-fired ower plants

Whole orchard recycling

Farms that recycle their orchards capture 2.4 tons of carbon per acre,9 each one equal to living car-free for a year.10



Back to the soil

At the end of their productive

lives, whole trees are ground

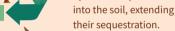
up and incorporated back

🛊 A low carbon footprint

Almonds have a lower carbon footprint than many other foods.







Since this practice was **introduced** in 2017, nearly half of almond farmers replanting orchards have used this approach.11

On-farm adoption

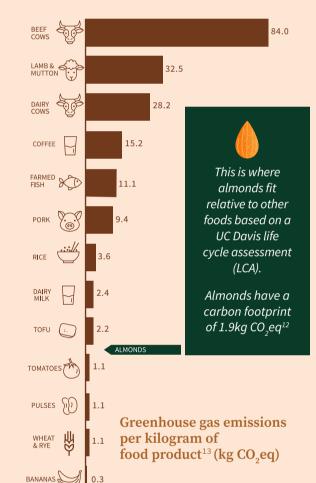
Whole orchard recycling helps farmers too, increasing:9



Water holding capacity by

Orchard cumulative yields over 5 years by







back into the soil, and over 30% of orchards have added compost since 2019.11

Composting adds carbon





Building biodiversity Almond farmers are increasingly growing cover crops—important for

soil quality, pest management and insect biodiversity.



on pollinators.

80

Growing more than almonds



(685K acres) maintain cover **crops** between tree rows.¹¹

of California almond orchards



of all U.S. bee-friendly certified farms are

almond farms.14



Helping honey bees Bees get their first food of the year in almond orchards as they

20

40

60

collect nutritious pollen¹⁵ and nectar.¹⁶ Beekeepers report their hives consistently leave stronger than when they arrived.¹⁷



Environmentally friendly

environmentally friendly pest management practices by 2025.2





Ounce for ounce, almonds are the tree nut highest in protein, fiber, calcium, vitamin E, riboflavin

Health and nutrition



and niacin¹⁸ and may be a more efficient way to consume certain nutrients.

One portion of almonds 6 grams of

50% of daily

77 milligrams

13 grams fats

of daily

13%

Equivalent



5.7x as many bananas



or

No food waste here

12.5x as much raw spinach

6.3x as much salmon

13.3x as much pineapple

America throws away nearly Almonds are a shelf-stable

60 million tons of food every yearthat's almost 40% of the entire U.S. food supply.19 Less than 1% of almonds are thrown out thanks to their two-year shelf life.20

by boat. Cargo ships produce 50x less CO, per kilometer than travel by plane.21

food which means they are

shipped around the world

Family farms **|deal climate** There are 7,600 almond California is 1 of only

Why California?



and 70% of orchards are 100 acres or less.22 High standards California's growing environment is one of the most regulated globally,



5 Mediterranean climates on Earth, essential to growing almonds.

with strict laws protecting the environment, worker and food safety.