

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 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.3





annual water use⁴



Olympic

swimming pools⁵

gallons of water³

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.

25-year lifespan

Almond orchards are a

their 25-year lifespan.

no-till environment for



30 million metric tons of carbon⁶

Equivalent to the annual emissions of:

COFFEE

PULSES



Boeing 737s7



Almonds have a lower carbon footprint than many other foods.

32.5

🛊 A low carbon footprint



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 into the soil, extending their sequestration.



in 2017, nearly half of almond farmers replanting orchards have used this approach.11

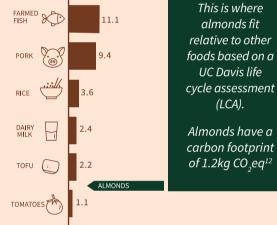
Whole orchard recycling helps farmers too, increasing:9



Water holding capacity by

Orchard cumulative yields over 5 years by





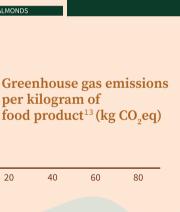


back into the soil, and over 30% of orchards have added compost since 2019.11

Composting adds carbon









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

soil quality, pest management and insect biodiversity.

1 in 3 bites of food depend on pollinators.

Growing more than almonds



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



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

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

grams fats

13

of daily

13%

Equivalent



or



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

No food waste here

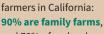
60 million tons of food every yearthat's almost 40% of the entire U.S. food supply.19 Less than 1% of almonds are thrown out thanks to their two-year shelf life.20

shipped around the world by boat. Cargo ships produce 50x less CO per kilometer than travel by plane.21

food which means they are

Family farms **|deal climate** There are 7,600 almond

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,



California is 1 of only **5 Mediterranean** climates on Earth, essential to growing almonds.

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