

Everything you get Almonds with a handful of

Getting the most out of every drop

reduction in water used to grow each almond between

> 1990s-2010s

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

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.



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



440 billion gallons of water³



U.S. households' annual water use4



Olympic swimming pools5

Building biodiversity Almond farmers are increasingly growing cover crops—important for soil quality, pest management and insect biodiversity.

Growing more than almonds



of all U.S. bee-friendly certified farms are almond farms.14



of California almond orchards (685K acres) maintain cover crops between tree rows.11



Helping honey bees

Bees get their first food of the year in almond orchards as they collect nutritious pollen¹⁵ and nectar. ¹⁶ Beekeepers report their **hives** consistently leave stronger than when they arrived. 17

Environmentally friendly pest management

California almond farmers are on track for a 25% increase in environmentally friendly pest management practices by 2025.2



No food waste here

America throws away nearly 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

Almonds are a shelf-stable food which means they are shipped around the world by boat. Cargo ships produce 50x less CO per kilometer than travel by plane.21

Why California?

Family farms

There are 7,600 almond farmers in California: 90% are family farms, and 70% of orchards are 100 acres or less.²²



ldeal climate

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

High standards

California's growing environment is one of the most regulated globally, with strict laws protecting the environment, worker and food safety.

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.6



30 million metric tons of carbon⁶

Equivalent to the annual emissions of:



Boeing 737s7



24.5 million gas-powered passenger vehicles8



coal-fired power plants8

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

25-year lifespan

Almond orchards are a no-till environment for their 25-year lifespan.



Rack to the soil

At the end of their productive lives, whole trees are ground up and incorporated back into the soil, extending their sequestration.

On-farm adoption

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

Whole orchard recycling helps farmers too, increasing:9

Soil and organic matter by

42%

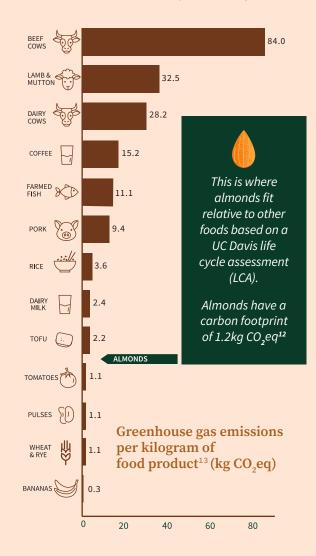
Water holding capacity by

Orchard cumulative yields over 5 years by

19%

A low carbon footprint

Almonds have a lower carbon footprint than many other foods.



Health and nutrition

Ounce for ounce, almonds are the tree nut highest in protein, fiber, calcium, vitamin E, riboflavin and niacin¹⁸ and may be a more efficient way to consume certain nutrients.

One portion of almonds provides: 6 grams of protein

50% of daily vitamin E

77 milligrams magnesium

13 grams unsaturated fats

13% of daily fiber

Equivalent to:

16.9x as much cooked asparagus

3.8x as many cooked black beans

3.9x as much avocado or



9x as much tofu

6.3x as much



12.5x as much raw spinach





