


Sustainability Study



The problem with plastic

An estimated 8 million metric tons* of plastic end up in the ocean each year.

An illustration of the ocean with several plastic milk cartons floating on the surface. The cartons are shown in two colors: grey and blue. The ocean is depicted with light blue waves and small white bubbles. The text is overlaid on the lower portion of the illustration.

Compared with shelf milk, homemade plant-based milk is a positive choice because it requires less packaging, refrigeration, and transportation.

The sad life of **shelf milk packaging**



Store bought plant-based milk is packaged in containers that are fully or partially plastic, contributing to greenhouse gases in our atmosphere throughout their lifespan.

From manufacturing to transport to disposal, it is one directional consumption.

It all adds up.

Life cycle of Almond Cow

Manufacturing

We estimate that 47.5 lbs of CO₂ is generated to make one Almond Cow and around 5.5 lbs for its packaging.*

Recycle / Refurbish

Almond Cows sent back to us are refurbished or reused when possible and recycled when not.

Making Milk

Your Almond Cow makes 3,500+ cups of milk. That's 800+ 32oz (1L) packages.

Shipping

About 5 lbs of CO₂ is produced to get the Almond Cow to your doorstep.*

Transit

Approximately 0.7 lbs of CO₂ is generated when an Almond Cow is distributed to our fulfillment centers*.

Fulfillment

Your Almond Cow makes a quick stop to be labeled before heading to you.



The sustainable choice

What is thrown away doesn't go away, **it has to go somewhere.**

The average Almond Cow family makes milk ~2.25 times a week*. That's around 1.5 64oz (2L) containers a week.

By switching to Almond Cow, these families prevented about 78 plastic cartons from being purchased and tossed out, over the course of a year.

Did you know, the cartons purchased don't always get recycled? Annually, close to 70% of plastic cartons go to landfills** or worse - end up in the ocean.

By making the decision to switch to Almond Cow, thousands of families have helped keep our planet cleaner.



*In house survey

**epa.gov

Us vs. Them

When making Almond Cow almond milk, about 110 almonds are used per batch **~21 almonds per cup of milk.**

We calculated that **~0.11lb CO₂/Cup** is generated when making almond milk and **0.08lb CO₂/Cup** for oat milk.



A 32oz carton of commercial almond milk only uses **~3 almonds per cup** of milk.*

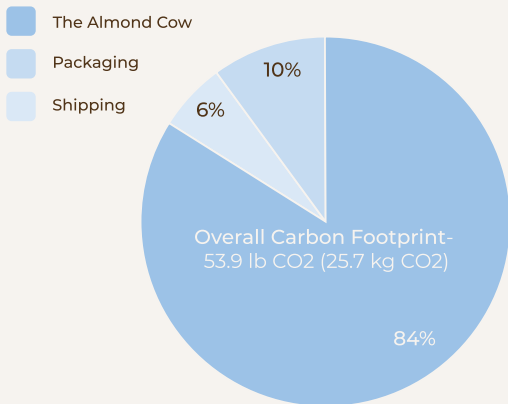
0.7 lbs CO₂/Cup is produced to make dairy milk **

*Townsend v. Blue Diamond Growers

**Which milk is best for the environment?

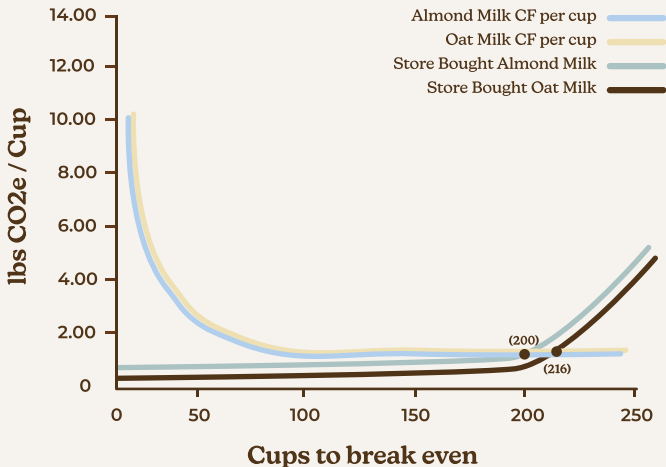
Carbon footprint

The production of an Almond Cow generates roughly the same amount of CO₂ as using 2.7 gallons of gas.* Cancel it out by recycling a full trash bag of recyclable items.



Total CO₂ savings over 5 year lifespan

Once you've used your Almond Cow **~90 times** for almond milk or **~106 times** for oat milk, your carbon emissions are estimated to break even versus the shelf packaged equivalent. This is because once you begin making milk at home, the potential drivers of carbon emissions are greatly reduced.



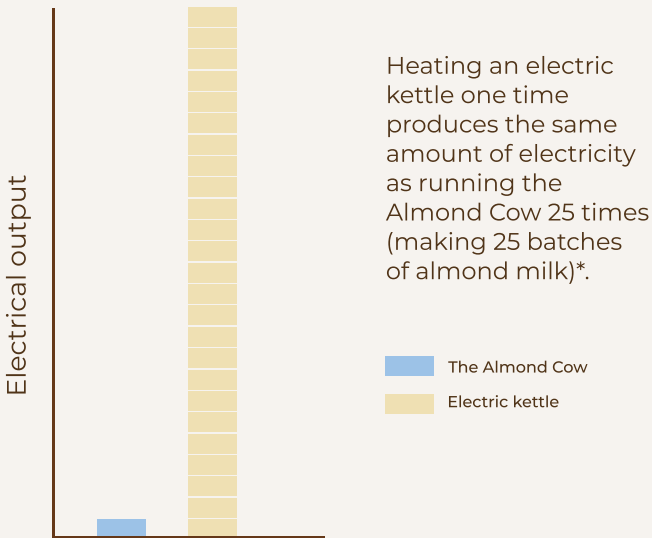
Almond Cow pulp



On average, along with the **3,500+ cups** of milk the Almond Cow will produce in its lifetime, a huge **500+ baskets of pulp** will be ready to enjoy in many recipes!

By reusing the pulp, you save money and trips to the store. You could make roughly **25 bags of flour** or 160 boxes of granola.

Electricity usage comparison



Almond Cow to the rescue



Over its lifetime, your Almond Cow will eliminate the need for **2,750lbs of CO₂*** to be released into our atmosphere versus a shelf milk equivalent.

That's 1,379lbs of coal that will never need to be burned*.



Your Almond Cow can prevent
500+ single-use cartons
from polluting our planet.



As a conservative estimate,
you, with thousands of others in the
Almond Cow community, have prevented
millions of single-use cartons from entering
our landfills and oceans.



What's new in 2022

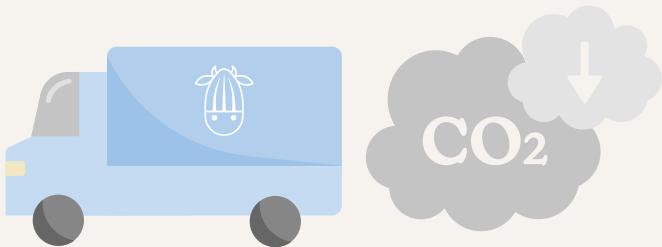
Our commitment to sustainable growth

Optimized fulfillment

With the addition of an east coast warehouse to our current west coast warehouse, we are able to more efficiently deliver products to you, our customer.

This allows for an estimated **30% decrease in carbon dioxide** equivalent emissions, meaning a 30% decrease in global warming caused by our shipping methods.

Speaking of shipping, did you know that heavier products have a higher carbon footprint? Later this year, we will be updating our motor to give you the same nut-milking power at a fraction of the weight. This weight savings adds up! This **reduces 4.7%** of the carbon emissions from shipping an Almond Cow from our warehouse to your doorstep!



how2recycle

We have also partnered with how2recycle, a new initiative focused on taking the confusion out of recycling. These labels have clear instructions on how to (and in some cases, how not to) recycle different packaging types.

A more thoughtfully sorted recycling bin means **more products will actually get recycled**, and a better world for all of us.



You'll see this badge on all of our packaging.

New ingredient packaging

We are upgrading our ingredient packaging to be **100% recyclable**, an increase of 100% from last year. Not only that, but our new packaging is resealable, keeping your ingredients fresh longer.

Looking ahead, we are actively developing **compostable** packaging for ingredients.



Less plastic. More plants.



As compared to this time two years ago, we have **reduced our plastic packaging usage by .3% per machine.**

This may not seem like a lot, but even this small change will prevent hundreds of pounds of CO₂ from polluting our atmosphere in 2021 alone. This also means **less waste going into our landfills.**

You will now find your Almond Cow packaged in a dual purpose hemp bag!

Better milk for a better planet

When compared against the average of buying 2 cartons of store-bought unsweetened almond milk a week, the average user can offset the carbon emissions of the production and transportation of an Almond Cow in **just 2.25 months!**

