

# +106,000 metric tons

estimated amount of carbon dioxide (or equivalent) that will be sequestered over the next 20 years as a result of the carbon farming practices producers have implemented since Fibershed's Climate Beneficial Program started in 2016

# +180,000 acres

currently enrolled in the Climate Beneficial Program

# 162 practices

Carbon Farming practices implemented in 2022



FIBERSHED

## 2022 Carbon Farm Fund Report

Producers in the Climate Beneficial Program collectively implemented a total of **162 carbon farming practices** in 2022, accounting for an estimated **18,566 metric tons (Mg) of CO<sub>2</sub>e sequestered already** and **23,422 Mg CO<sub>2</sub>e drawdown projected over the next 20 years**.

Practices carried out on grazed lands such as prescribed grazing, and cropland practices such as cover cropping were the most commonly implemented practices. Producers practiced prescribed grazing on almost 90,000 acres, accounting for an estimate 13,606 metric tons CO<sub>2</sub>e.

Over the life of the Climate Beneficial Program since 2016, compost application on rangeland is responsible for the largest carbon impact, sequestering an estimated 67,870 Mg CO<sub>2</sub>e over the next 20 years.

*Carbon sequestration estimations were calculated using COMET Planner, CDFA COMET Planner, COMET Farm, and data sourced from Ryals and Silver (2013).*

*"Among our several goals for atmospheric carbon draw down and improvement of soil health, a high priority for our ranch has been compost application onto sheep pastures. We are very grateful to the Fibershed and honored to have been awarded a Carbon Farm Seed Fund Grant to purchase compost for nearly ten acres. Like many small ranches we operate on something of an 'economic edge' and the financial aid granted by the Fibershed truly has been a boon to our ranch operations."*

— LYNN & JIM MOODY OF BLUE OAK CANYON RANCH

### 69 total

**Climate Beneficial Producers in the pipeline**

Climate Beneficial Verified:

19

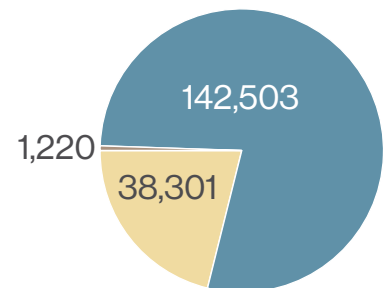
Climate Beneficial Transitional:

45

New Producers:

5

**Acres Enrolled in the Climate Beneficial Program**



■ Climate Beneficial Verified  
■ Climate Beneficial Transitional  
■ New Producers

*Above: Planting a line of fig trees at PT Ranch (Photo by Paige Green)*





Planting a dye plant buffer strip at Chico Flax (Photo courtesy of Sandy Fisher)



Planting native trees at Meridian Farm (Photo by Paige Green)

## Scaling the Climate Beneficial Program in four regions throughout the US

This year Fibershed, in collaboration with 5 project partners applied for funding from a USDA Partnerships for Climate-Smart Commodities grant. The project, called *Climate Beneficial Fiber: Building New, Accessible, and Equitable Market Opportunities for Climate-Smart Cotton and Wool*, was awarded \$30 million to scale the Climate Beneficial Fiber program in 4 regions over the next 5 years: California, Northern Great Plains, New York Hudson Valley, and the Southeast cotton belt, with particular support offered to Black cotton farmers.

The project will expand regional capacity for Carbon Farm Planning, directly fund producers to carry out carbon farming projects, and create an open source Carbon Farm Planning and Verification Online Portal, which will integrate carbon farm planning, carbon drawdown calculations, mapping, and producer specific practice monitoring.

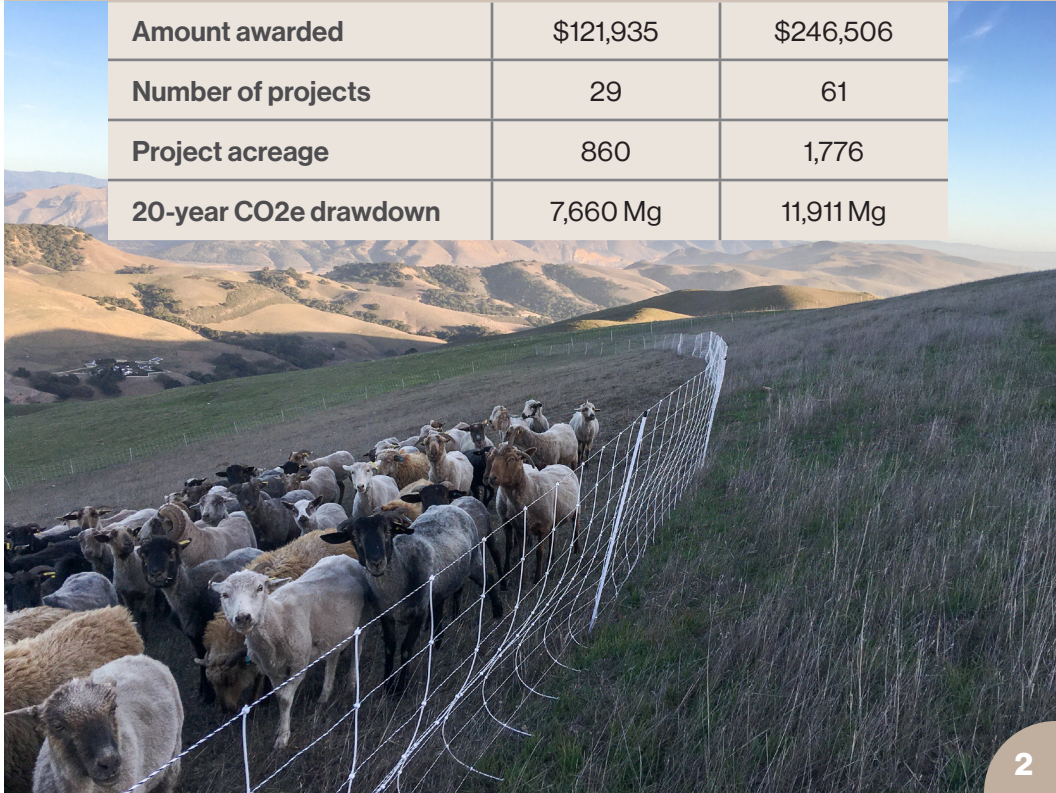
Read more here: [bit.ly/usda-grant](https://bit.ly/usda-grant)

Right: Outlaw Valley Ranch was awarded a Carbon Farm Seed Fund grant to purchase portable electric fencing to carry out prescribed grazing over 345 acres. (Photo courtesy of Alex and Kelsey Karol)

## Our 2022 Carbon Farm Seed Fund

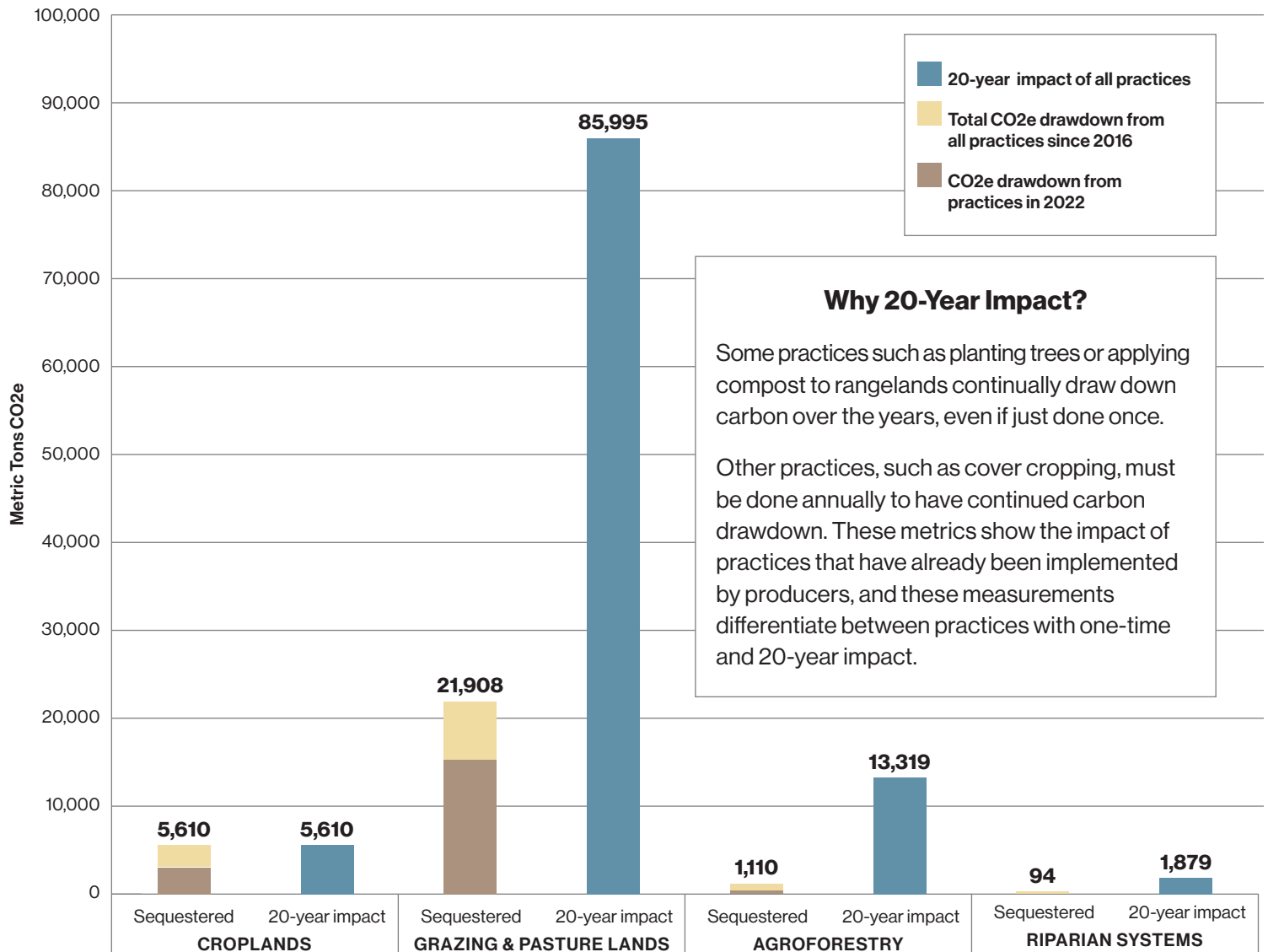
Fibershed's Carbon Farm Seed Fund was created to provide direct financial assistance to producers enrolled in the Climate Beneficial Program to implement carbon farming practices. **In our 2022 round we awarded over \$120,000 to 29 producers to fund their carbon farming projects.** The most common projects were applying compost to rangelands, seeding pastures, planting hedgerows, and purchasing fencing to facilitate prescribed grazing. We estimate these projects will draw down 7,660 Mg CO<sub>2</sub>e over the next 20 years.

	2022	Cumulative
Amount awarded	\$121,935	\$246,506
Number of projects	29	61
Project acreage	860	1,776
20-year CO <sub>2</sub> e drawdown	7,660 Mg	11,911 Mg





## Cumulative CO2e Drawdown by Category: 2022 Practices and Entirety of Climate Beneficial Program



*"We are so grateful for the support of Fibershed. We were granted funds for 40 acres of clover seed and pasture mix, which could be compared to a truck load of gold when you are tending sheep! We were also granted funds for tree planting along the edge of our pasture. We chose white oak trees which will provide summer shade and autumn feed for our sheep as well as increase the seed bank of sudden oak death resistant oaks on our ranch! Very exciting! We also were awarded funds for more movable electric fence which helps us to effectively practice rotational grazing here at Bodega Pastures."*

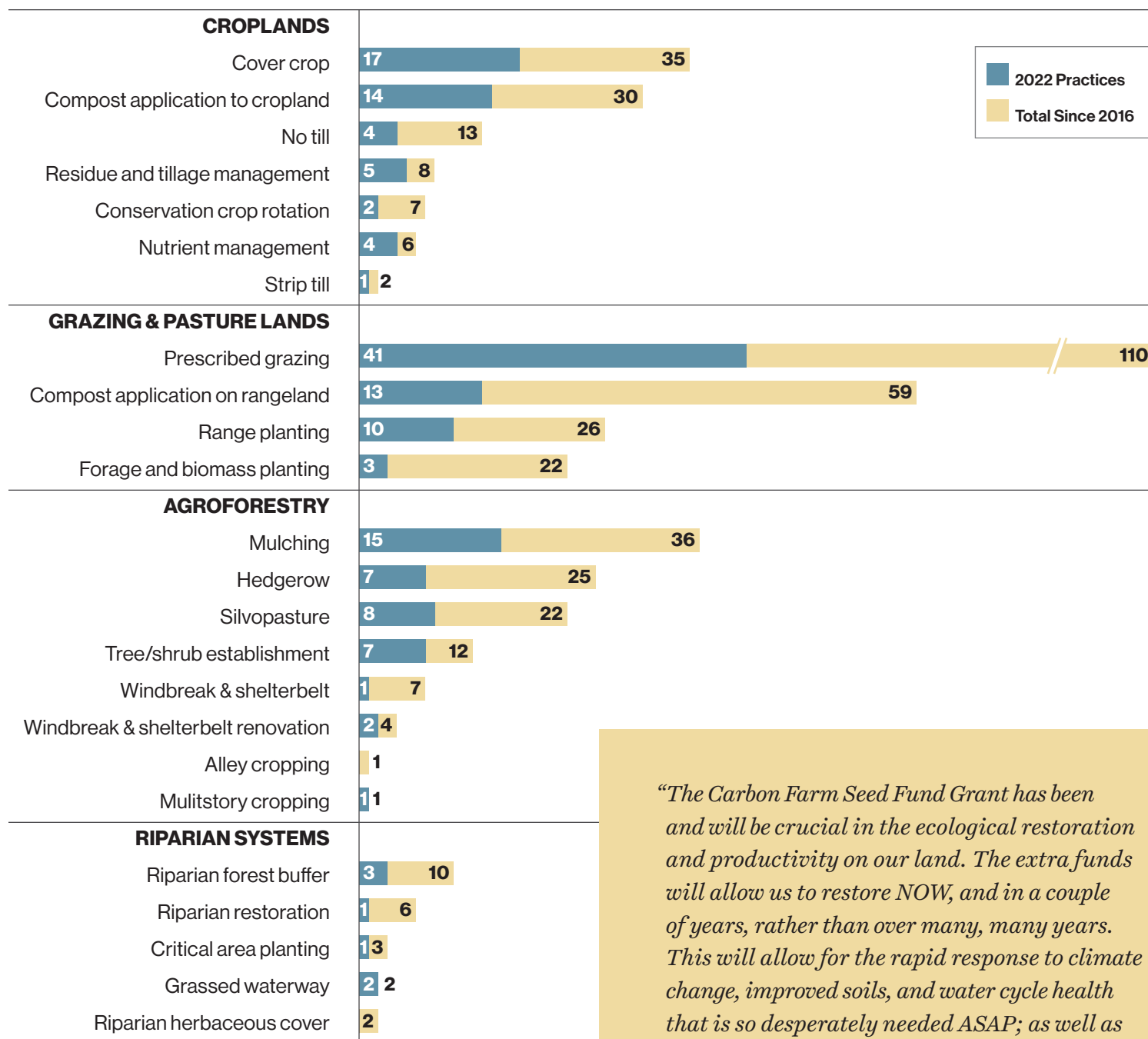
– NASTASHA MCGUIRK OF BODEGA PASTURES

## What is Mg CO2e?

**Mg refers to metric tons** (also known as MT, "tonnes," or "megagrams") and is equal to 1000 kilograms or about 2,240.6 pounds. It is a common way of quantifying and measuring greenhouse gas emissions.

CO2e (or "carbon dioxide equivalent") is the **standard unit for quantifying greenhouse gas emissions**. Because different greenhouse gases contribute to global warming at varying degrees (methane, for example causes 25 times more warming than carbon dioxide) using "CO2e" allows the impact of all greenhouse gas emissions to be expressed in a common unit, where 1 Mg CO2e is the global warming equivalent of 1 metric ton of carbon dioxide.

## Carbon Farming Practices Implemented — 2022 and Cumulative



*“The Carbon Farm Seed Fund Grant has been and will be crucial in the ecological restoration and productivity on our land. The extra funds will allow us to restore NOW, and in a couple of years, rather than over many, many years. This will allow for the rapid response to climate change, improved soils, and water cycle health that is so desperately needed ASAP; as well as greater food security (especially as a disabled farmer group), healthier animals and plants and overall microbial health of the whole system on our property. These effects naturally extend to our local community as well.*”

*“These Grant funds are extremely important in SO MANY ways—all of which improve our food and wildlife systems at the root level, and have such wide reaching consequences. Thank you to all of our supporters and to Fibershed for this excellent and vitally important opportunity.”*

— JOHANNA GREENBERG & LENNIE MOORE  
OF LIBERTY MEADOWS

