



## RESTORING THE SOIL THROUGH FARMER PARTNERS

July 22, 2019



# TRIPLE BOTTOM LINE APPROACH

## OUR BRAND MODEL

## OUR BUSINESS MODEL



## SUSTAINABLE DEVELOPMENT GOALS



## 2018 KEY HIGHLIGHTS



**26,318,000**  
(21,614,000 in 2017)  
tons of CO2 equivalent emissions of for our total scope of responsibility.

Our ambition  
**Carbon neutrality by 2050**

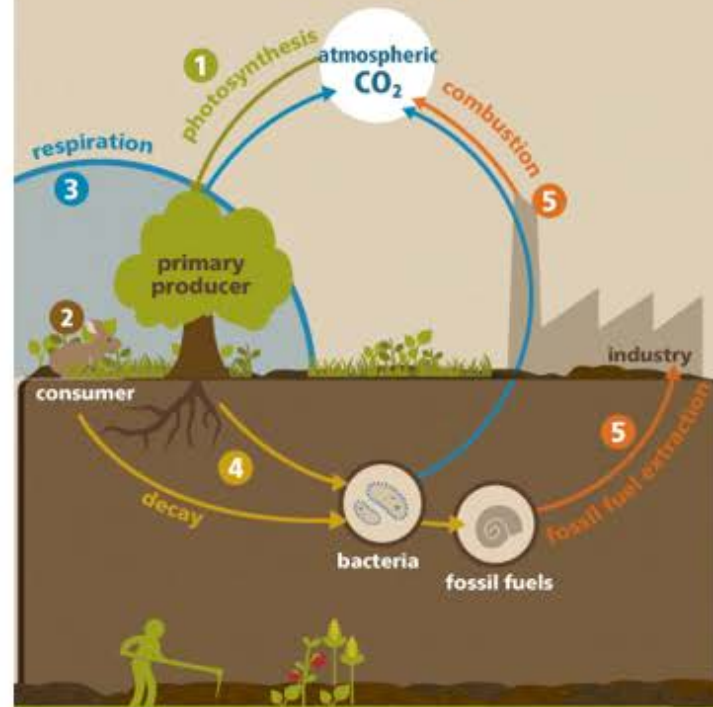






## Soils and the Carbon Cycle

The carbon cycle is the exchange of carbon (in various forms, e.g., carbon dioxide) between the atmosphere, ocean, terrestrial biosphere and geological deposits.



- 1** Plants use CO<sub>2</sub> from the atmosphere, water from the soil and sunlight to make their own food and grow in a process called **photosynthesis**. The carbon they absorb from the air becomes part of the plant.
- 2** **Animals** that feed on the plants pass the carbon compounds along the food chain.
- 3** Most of the carbon the animals consume is converted into CO<sub>2</sub> as they breathe (**respiration**), and is released back into the atmosphere.
- 4** When the animals and plants die, the dead organisms are eaten by decomposers in the soil (**bacteria and fungi**) and the carbon in their bodies is again returned to the atmosphere as CO<sub>2</sub>.
- 5** In some cases, the dead plants and animals are buried and turn into **fossil fuels**, such as coal and oil, over millions of years. Humans burn fossil fuels to create energy, which sends most of the carbon back into the atmosphere in the form of CO<sub>2</sub>.



**Food and Agriculture  
Organization of the  
United Nations**



SOIL HEALTH YEAR 1

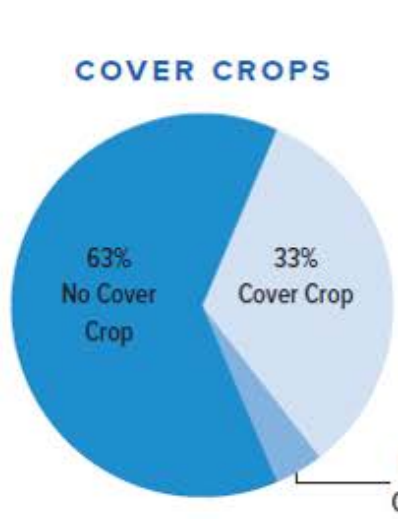
12 Dairies in 5 States with 26,183 Acres from 330 Fields

Soil Health

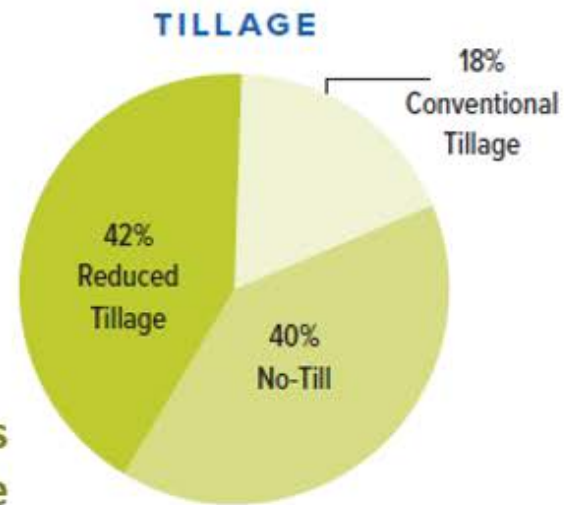
Biodiversity

Water

Carbon & energy



Cover crops ensure the ground is covered most of the year ensuring Carbon retention in the soil



Reduced till or No-till practices avoids Carbon to be released to the atmosphere

**WATER RECLAIMED**  
**121** million gallons recycled multiple times on the farm to reduce fresh water needs and transportation volume.

**WATER REDUCTION**  
**157** million gallons of fresh water saved by utilizing wash water for crop irrigation in the West and Central Milksheds.

**SMART IRRIGATION**  
**15** soil moisture probes were in place during 2017 across all 12 dairies.



**8,170** tons of carbon sequestration, which is the same as **8,691** acres of US forest that sequesters carbon in a year

Farmer's fields reported

**24,620** Milking Cows  
**32,942** Total Cows

# HOW WE FOSTER REGENERATIVE PRACTICES WITHIN OUR SUPPLY CHAIN



Unique dairy  
partnership  
model: Cost Plus



Long-term  
contracts allow  
for a different  
mindset



Integrated supply  
chain enables new  
approaches on  
financing



Long-term  
practice adoption,  
collaboration is  
key

