



## RESTORING THE SOIL THROUGH FARMER PARTNERS

July 22, 2019

# TRIPLE BOTTOM LINE APPROACH

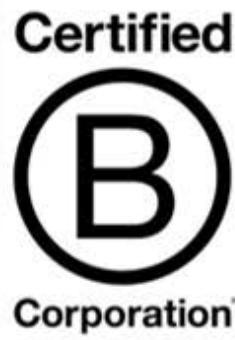
## OUR BRAND MODEL

### OUR BUSINESS MODEL



### OUR TRUST MODEL

## SUSTAINABLE DEVELOPMENT GOALS



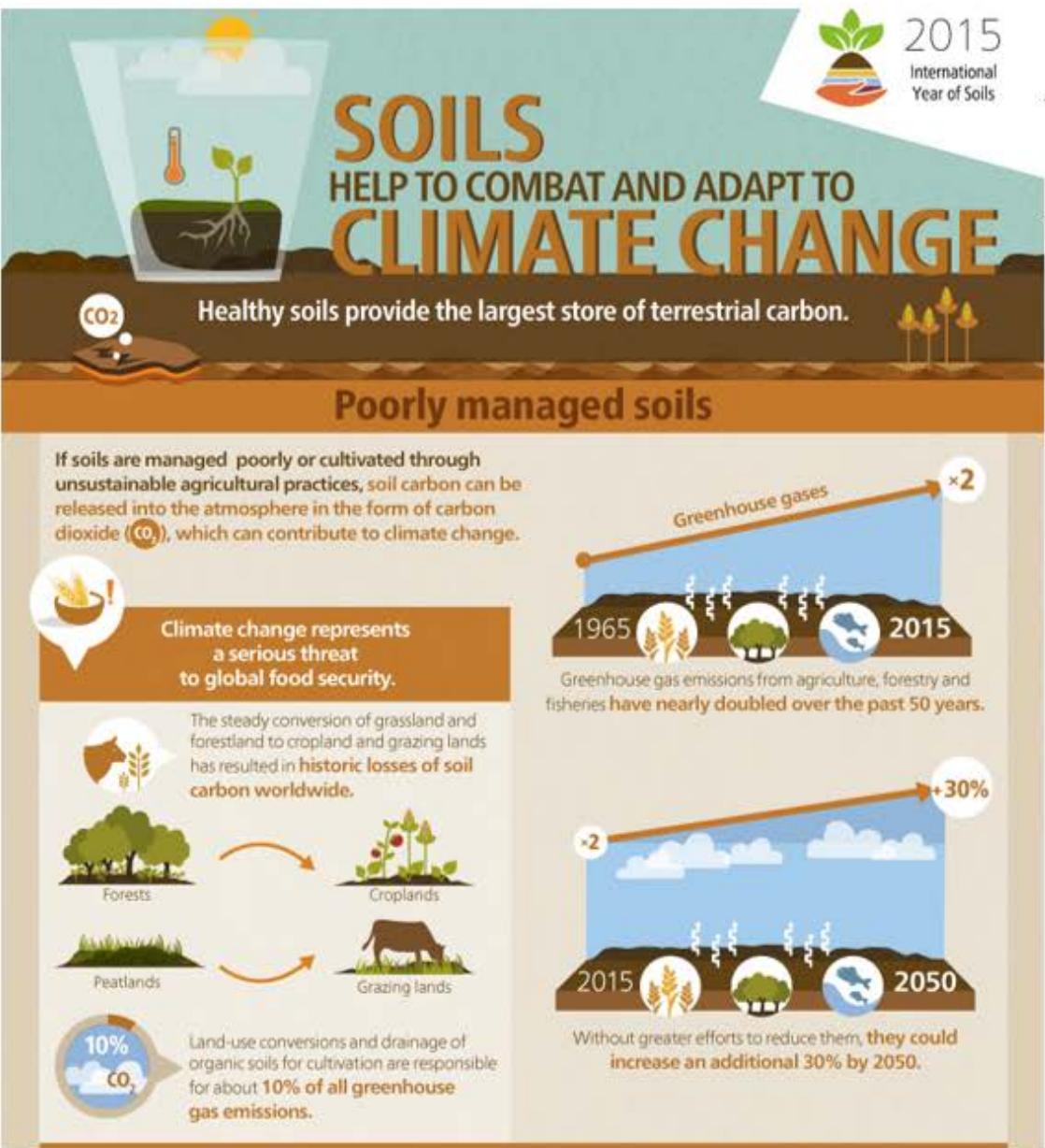
26,318,000  
(21,614,000 in 2017)  
tons of CO2 equivalent  
emissions of for our total  
scope of responsibility.

## 2018 KEY HIGHLIGHTS

Our ambition

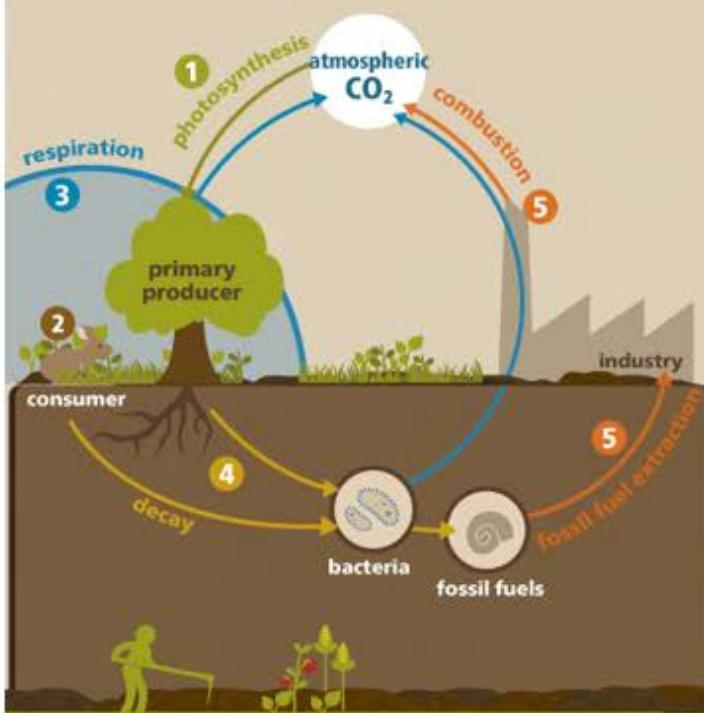
*Carbon neutrality  
by 2050*





## 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  $\text{CO}_2$  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  $\text{CO}_2$  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  $\text{CO}_2$ .

**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  $\text{CO}_2$ .

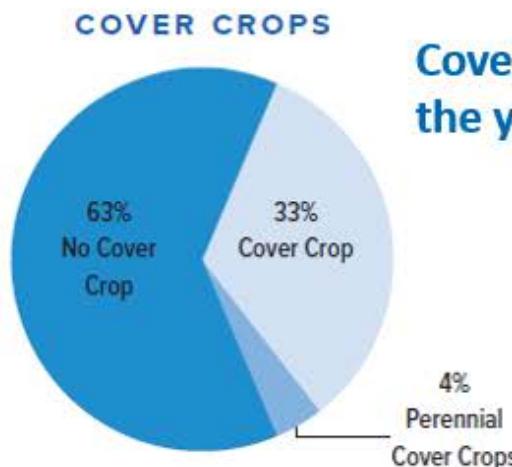


**Food and Agriculture Organization of the United Nations**

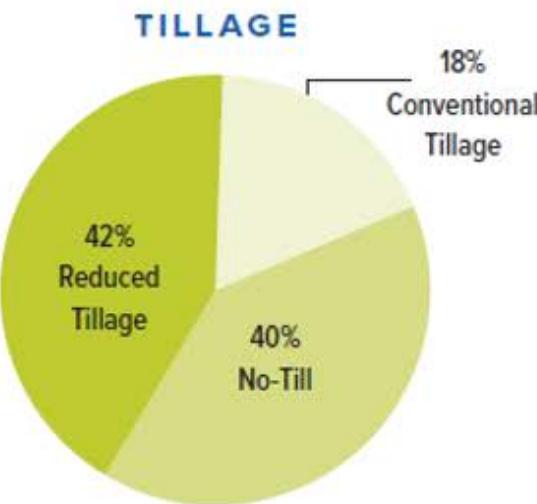
# SOIL HEALTH YEAR 1

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

## Soil Health



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



## Biodiversity

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

## Water



**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.



## Carbon & energy



**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



**DANONE** ONE PLANET. ONE HEALTH

# HOW WE FOSTER REGENERATIVE PRACTICES WITHIN OUR SUPPLY CHAIN



DANONE ONE PLANET. ONE HEALTH



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

