Creating change by preserving what matters

Regenerative agriculture

Why it matters

Preserving food & food production

We must provide nutritious food to 10 billion people by 2050 without degrading the planet.

Preserving health

Healthy soils are the basis for healthy food production and essential to meet climate and biodiversity goals.

Preserving the planet

Agriculture and related land-use change collectively account for nearly 25% of global GHG emissions.

Our commitment



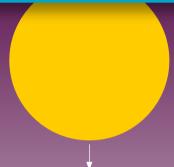
Most of Corbion's raw materials are from agriculture. We have a chance to create change by

preserving food and food production, health, and the planet through our business activities and solutions. One way we can contribute is by making regenerative agriculture practices integral to our responsible sourcing strategy.

Our approach

To encourage use of regenerative agriculture practices we partnered with Truterra, LLC, the sustainability arm of Land O'Lakes, one of America's premier agribusiness and food companies. These regenerative agriculture practices include no-till farming, cover crops, and integrated grazing to improve soil health and store more carbon in the soil. Using the Truterra™ Insights Engine, an interactive on-farm digital platform, farmers have the data needed to create customized improvement plans.





(Photon energy)

Sunlight

atmosphere through soil respiration.

CO₂ is released into the



Photosynthesis (Sun energy powers carbon cycle)

energy from the sun.

carbon-based sugars using

profit like commodity crops. They help reduce soil erosion and water pollution, and improve water infiltration.

Cover crops are plants used to help improve the soil rather than being harvested for

Managed livestock grazing allows more nutrients to cycle from the crop to soil and more carbon to be stored.



No-till agriculture avoids turning over or tilling the soil, thereby minimizing soil erosion and improving water

Plant roots store some of the sugar

while the rest is released into the soil.

Organisms feed on these sugars.

Decomposing organisms and plant

matter return carbon to the soil.



Soil

organic

matter

Roots from grazed grasses

or cover crops work their

way into the soil.

respiration

The benefits of regenerative agriculture go beyond mitigating

The benefits



for conservation. Improved nutrient utilization helps preserve and protect water quality. Reduced chemical use lowers health risks for farmers and consumers. Soils rich in organic matter are better able to manage moisture when faced with extreme events like floods and drought. This improves food security and makes farms more resilient.

climate change. Farms see improved profitability because better soil health creates better yields, and less is spent on chemicals and fuel. Improved land utilization frees up less-profitable acres

resiliency ✓ Improves biodiversity

✓ Boosts food chain

Preserving food & food

production

- Enhances farmer resiliency

Preserving health

- ✓ Enables production of healthy foods within the boundaries of the planet
 - ✓ Reduces exposure to chemicals Reduces use of

synthetic crop

inputs

sequestration ✓ Reduces GHG

emissions ✓ Reverses soil

Preserving the planet

✓ Enhances carbon

degradation ✔ Preserves water

quality











