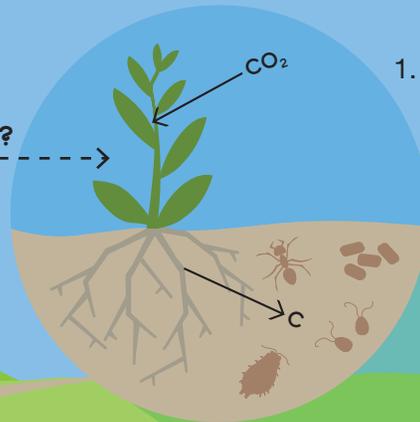


RE(STORE)IT!

STORING CARBON
RESTORING SOILS

HOW DOES IT WORK?



1. Plants absorb carbon dioxide & turn it into a carbon-based sugar
2. These sugars allow the plant to grow & absorb more carbon
3. Roots store & release some sugars deep into the soil
4. Organisms eat the sugars & build healthy soil

PERENNIAL PLANTS & DIVERSE CROPS

Provides harvests for several growing seasons from a single planting

COMPOSTING

Supplies nutrients to improve the health of soils and crops

MANAGED GRAZING

Rotation of livestock according to forage availability & soil health

FARMERS USE THESE METHODS

COVER CROPPING & CROP ROTATION

Covers exposed ground between plantings

ZERO OR LOW TILLAGE & MULCHING

Reduces ground disturbance & protects soils with natural cover

BENEFITS OF REGENERATIVE AGRICULTURE

These practices have many benefits, from local to global.

Farmlands are restored for long-term sustained use, making surrounding communities & environments more resilient.

Research shows that regenerative agriculture could sequester 100 percent of yearly CO₂ emissions, a significant step towards reversing climate change.

BUILDS HEALTHY FARMLANDS

- improves soil health & structure
- improves water holding capacity of soil
- reduces erosion
- increases production
- improves adaptation to climate change

SUPPORTS FARMERS & FARMWORKERS

- reduces exposure to harmful chemicals
- improves & revitalizes rural economies
- reduces time, labor, input, & fuel costs
- improves quality of life

PROTECTS LOCAL ENVIRONMENTS

- improves biodiversity & wildlife habitats
- reduces air & water pollution from dust, manure, & pesticides
- reduces use of synthetic chemicals
- reduces unused plant & animal wastes

BENEFITS CONSUMERS & THEIR FAMILIES

- improves nutritional quality of food
- improves diversity of diets
- improves food security
- reduces exposure to toxic chemicals

REVERSES GLOBAL CLIMATE CHANGE

- reduces respiration of carbon from soil
- improves capacity of soil to store carbon
- reduces emissions from input production
- reduces on-farm fuel use

Implementation is site specific and depends on soil characteristics, crops grown, & local climates. Practices are rooted in organic methods and can be integrated into farms and pastures transitioning from conventional to organic.

Learn more: <https://greenamerica.org/restore-it>

