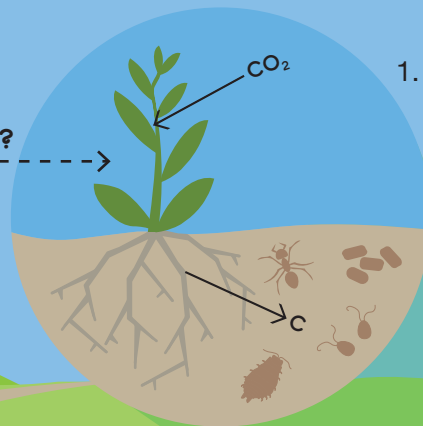


RE(STORE)IT!

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.

<p>BUILDS HEALTHY FARMLANDS</p> <ul style="list-style-type: none"> • improves soil health & structure • improves water holding capacity of soil • reduces erosion • increases production • improves adaptation to climate change 	<p>SUPPORTS FARMERS & FARMWORKERS</p> <ul style="list-style-type: none"> • reduces exposure to harmful chemicals • improves & revitalizes rural economies • reduces time, labor, input, & fuel costs • improves quality of life 	<p>PROTECTS LOCAL ENVIRONMENTS</p> <ul style="list-style-type: none"> • improves biodiversity & wildlife habitats • reduces air & water pollution from dust, manure, & pesticides • reduces use of synthetic chemicals • reduces unused plant & animal wastes 	<p>BENEFITS CONSUMERS & THEIR FAMILIES</p> <ul style="list-style-type: none"> • improves nutritional quality of food • improves diversity of diets • improves food security • reduces exposure to toxic chemicals 	<p>REVERSES GLOBAL CLIMATE CHANGE</p> <ul style="list-style-type: none"> • reduces respiration of carbon from soil • improves capacity of soil to store carbon • reduces emissions from input production • reduces on-farm fuel use
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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>

