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PROJECT GREEN CHALLENGE

SOIL

WHY THE FUTURE OF OUR PLANET MAY
DEPEND ON IT



WE'RE FACING A CLIMATE CRISIS

2.7 DEGREES OF WARMING....

is all it would take for coastlines to be swept away by natural disasters, countries to be ravaged by forest fires, coral reefs to be destroyed permanently, and entire populations to be left with neither a home nor an income...

AND SOMETHING BENEATH YOUR VERY
FEET MAY PRESENT A SOLUTION....
THAT SOMETHING IS SOIL

Soil has incredible carbon-storing abilities. Already, soil contains more carbon than all the carbon in our biomass and atmosphere combined!



SOIL HOLDS THE POWER TO REDUCE GLOBAL WARMING

WE MUST HARNESS SOIL'S CARBON-STORING
ABILITIES



Already, soil is removing 25% of the world's fossil fuel emissions and by taking special care of our soil, this percentage could increase significantly.

ENCOURAGE FARMERS TO
PRACTICE REDUCED-TILLAGE
METHODS AND CROP ROTATION
THIS WOULD ALLOW SOIL TO STORE MORE
CARBON

Government action must mandate, and provide economic incentives, for these farming methods.



COMPOST!

EVEN YOU CAN GET INVOLVED!

A thin layer of compost allows soil to absorb more carbon by building up the amount of organic matter in the soil

Sophia Ludtke

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[https://theconversation.com/how-carbon-farming-can-help-solve-climate-change-86087,](https://theconversation.com/how-carbon-farming-can-help-solve-climate-change-86087)

<https://blogs.ei.columbia.edu/2018/02/21/can-soil-help-combat-climate-change/>

