

Page 1  
The Problems  
Page 2  
The Solutions  
Plus More  
Resources and  
Activities

# The Kids Campaign to Cool Our Earth!



from Kids for Saving Earth [kse@kidsforsavingearth.org](mailto:kse@kidsforsavingearth.org) . [www.kidsforsavingearth.org](http://www.kidsforsavingearth.org)

## Organic Lands

Finding a solution to global warming is really hard to do!

There is too much carbon dioxide (CO<sub>2</sub>) in this planet's air so it's causing Earth to heat up. Even if we stop using fossil fuels like oil and coal, Earth will continue to warm because of CO<sub>2</sub> already in the air. This will cause melting of our Arctic's frozen soil which will release even more CO<sub>2</sub>. We must find ways remove CO<sub>2</sub> from our atmosphere.

Bad farming practices are a major cause of climate change. For thousands of years people have been cutting down CO<sub>2</sub>-absorbing plants and forests to create more farming land. As this happens CO<sub>2</sub> stored in soil releases into air.



Big agricultural farming methods ("big ag") use these methods and other bad practices to create even more carbon release into air. "Big ag" uses pesticides. Land sprayed with pesticides destroys both good and bad bugs. Good microbes, bacteria, insects and more are needed to keep soil healthy. Healthy soil absorbs (sucks in) and stores huge amounts of CO<sub>2</sub>..



Another reason the soil on Earth can't absorb CO<sub>2</sub> is because so much of it is covered with homes, buildings, and concrete or asphalt parking lots and roads,

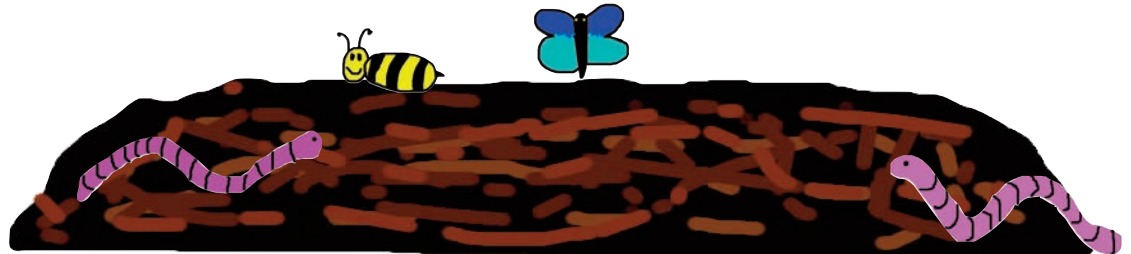
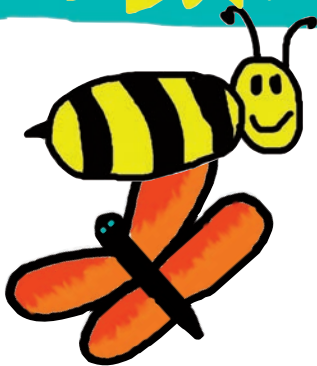


Page 1  
The Problems  
Page 2  
The Solutions  
Plus More  
Resources and  
Activities



We can do it.  
Here is how.

Of course we need some CO<sub>2</sub> in the air to act like a blanket around Earth to keep just the right amount of heat in our air. But now with too much CO<sub>2</sub> in Earth's air we have to find ways to keep and absorb more CO<sub>2</sub> into Earth's soil.



## Carbon Sequestration

The words carbon sequestration sound hard to understand but what they stand for is very important. When we sequester (store) carbon in soil, we keep it away from Earth's air. Organic land from an organic style of farming can work miracles. Healthy soil teaming with organisms will pull in carbon to use and store. All plants and organic lands will absorb tons of CO<sub>2</sub>. This will help cool the Earth.

### How Can Kids Help Store Carbon Dioxide in Soil?

You can be a part of this important way to lower the amount of carbon dioxide in our atmosphere to slow global warming.

1. Write your government leaders to tell them to develop programs to help farmers use organic farming methods.
2. Learn how to garden organically. Check out [KSE's Action Program Organic Gardening](#).
3. Create organic lawns and gardens in your community to absorb more CO<sub>2</sub>.
4. Write to corporations like Target Stores. Tell them to create parking areas that have lots of open space for soil and plants to slow global warming.



### **Rhodale and Organic Farming.**

<http://rodaleinstitute.org/reversing-climate-change-achievable-by-farming-organically/>

### **Floor of the Forest**

<http://www.dailyliked.net/fantastic-fungi/>

### **Organic farming and sequestration**

<https://www.ncbi.nlm.nih.gov/pubmed/21141778>

<http://www.strauscom.com/rodale-whitepaper/>

<http://www.treehugger.com/corporate-responsibility/organic-farming-could-stop-global-climate-change.html>

### **Soil Carbon Restoration**

[http://www.nofamass.org/sites/default/files/2015\\_White\\_Paper\\_web.pdf](http://www.nofamass.org/sites/default/files/2015_White_Paper_web.pdf)

### **Building Soils: Sierra Club**

<http://www.sierraclub.org/loma-prieta/soils-committee/building-soils>

### **Plants and Carbon Sequestration**

<https://www.nps.gov/teachers/classrooms/carbon-sinks.htm>