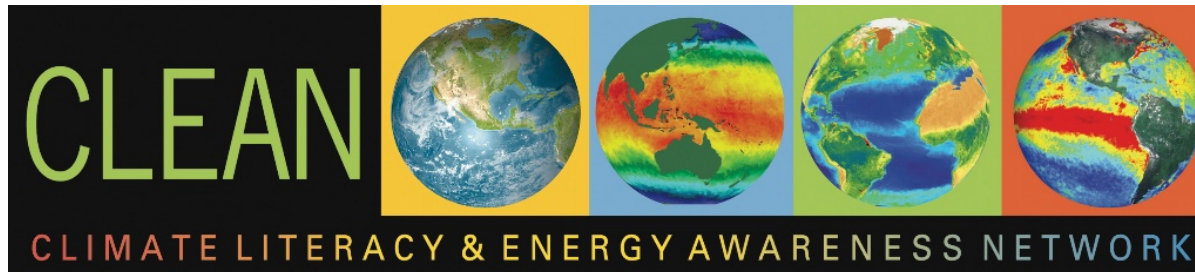


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CLEAN STEM Flash

Climate—Energy—Education

Topic: Crop Challenges in a Changing Climate

A Timely Climate and Energy E-learning Series to Use and Share

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CLEAN supports teaching and learning about climate and energy with 600+ free peer-reviewed, scientifically accurate, and classroom-ready resources.

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CLEAN Resource Spotlight:

[United States Drought Monitor visualization](#)

This real-time map of current drought conditions in the US can be zoomed to the state level, which provides access to more local resources.

Audience: Middle school and above

Find more resources about [drought](#) in the CLEAN Collection.

The US Drought Monitor is a compilation of statistics and maps compiled by University of Nebraska, Lincoln, using data from various government sources. There are also links to the state climatologist and regional climate center.

CLEAN Resource Spotlight:**[Changing Planet: Withering Crops video](#)**

Scientists examine what will happen to crops as Earth's carbon dioxide levels and temperatures rise and soils dry out because of a changing climate.

Audience: Middle school and high school

Video length: 5:50 min.

See more resources related to [agriculture](#) in the CLEAN Collection.

This video from Changing Planet, a partnership between NBC Learn and the National Science Foundation, includes a segment that illustrates how leaves take in CO₂, transpire water, and how drought conditions stress this process in plants.

Climate & Energy in the News

Read NPR's story about how [climate change is changing the face of farming in Russia](#).

Click on the image below for more stories on how farmers around the world are responding to climate change.

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