

# Resources for Contest Success

What is Technology? What are some types of innovations that help farmers work with the environment to grow food?

[www.learnaboutag.org/resources/wgo.cfm](http://www.learnaboutag.org/resources/wgo.cfm)

**What's Growin' On? Fifteenth Edition: Agriculture and the Environment-pages 8 and 9**

Farmers and ranchers rely on machines every day to care for animals and work the land while conserving natural resources. Many complex machines used today evolved from which six simple machines?

[www.myamericanfarm.org/activities/MechanicsMaster.pdf](http://www.myamericanfarm.org/activities/MechanicsMaster.pdf)

Did you know that cows wear tracking monitors around their necks to help track their health just like people wear necklaces and fitness monitors?

[www.usnews.com/news/best-states/michigan/articles/2018-04-09/dairy-farmers-use-fitness-trackers-to-monitor-cows](http://www.usnews.com/news/best-states/michigan/articles/2018-04-09/dairy-farmers-use-fitness-trackers-to-monitor-cows)

Everyone uses apps on cell phones. How do cell phone apps help farmers make decisions and monitor their food crops?

<http://blog.viaero.com/tech/3-ways-smartphones-are-changing-agriculture>

The sun is an important natural energy source. How do farmers use solar energy?

[www.learnaboutag.org/resources/wgo.cfm](http://www.learnaboutag.org/resources/wgo.cfm)

**What's Growin' On? Fifteenth Edition: Agriculture and the Environment-page 3**

Farmers test the soil to determine what types of plants to grow. Discover new technology that measures soil moisture from space.

<https://climatekids.nasa.gov/soil/>

Drones can be fun to operate. Did you know drones can also take photos and collect information? What ways can drones help farmers grow healthy crops and ranchers take care of their animals?

<http://www.quadcoptercloud.com/drones-can-help-farmers/>

<https://www.beefmagazine.com/pasture-range/drones-smart-ear-tags-cameras-case-using-technology-ranching>

