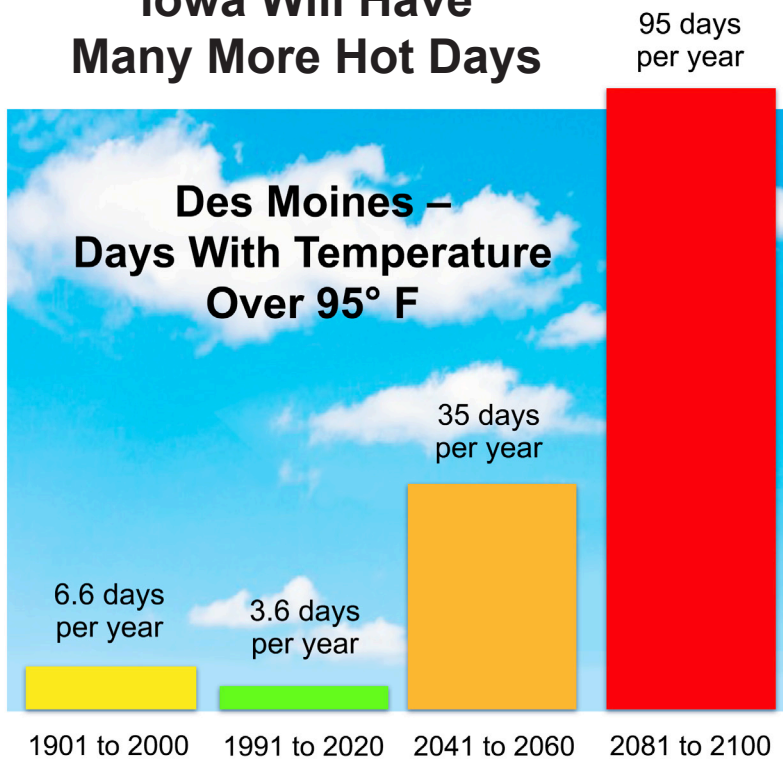


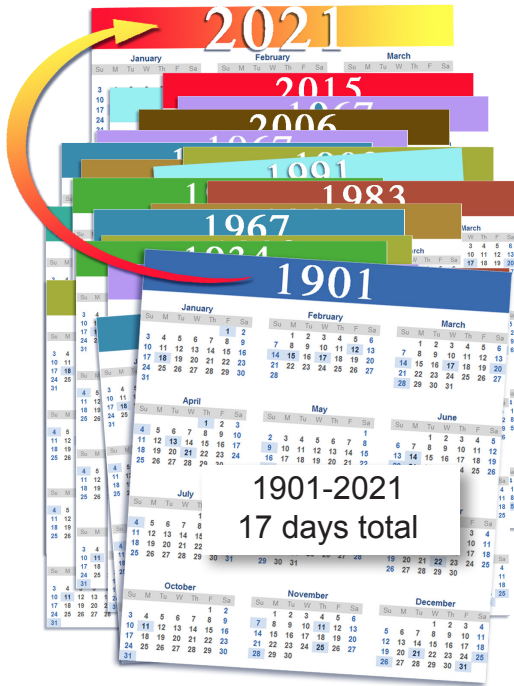
# Iowa Will Have Many More Hot Days



Source: Climate Change 2021: The Physical Science Basis. IPCC full report: <http://www.ipcc.ch/report/ar6/wg1/>, Ch. 12, Fig. 12.4 (d), (e), and (f). Des Moines Daily Data, Iowa Environmental Mesonet <https://mesonet.agron.iastate.edu>

# Many More Dangerous Hot & Humid Days

## Des Moines – Heat Index Over 106° F



5 to 15 days per year



15 to 45 days per year

Source: CMIP6 Global Model Projections, Copernicus Climate Change Service (C3S), European Centre for Medium-Range Weather Forecast, May 16, 2022.  
 CMIP6: Global climate projections – Copernicus Knowledge Base – ECMWF Confluence Wiki



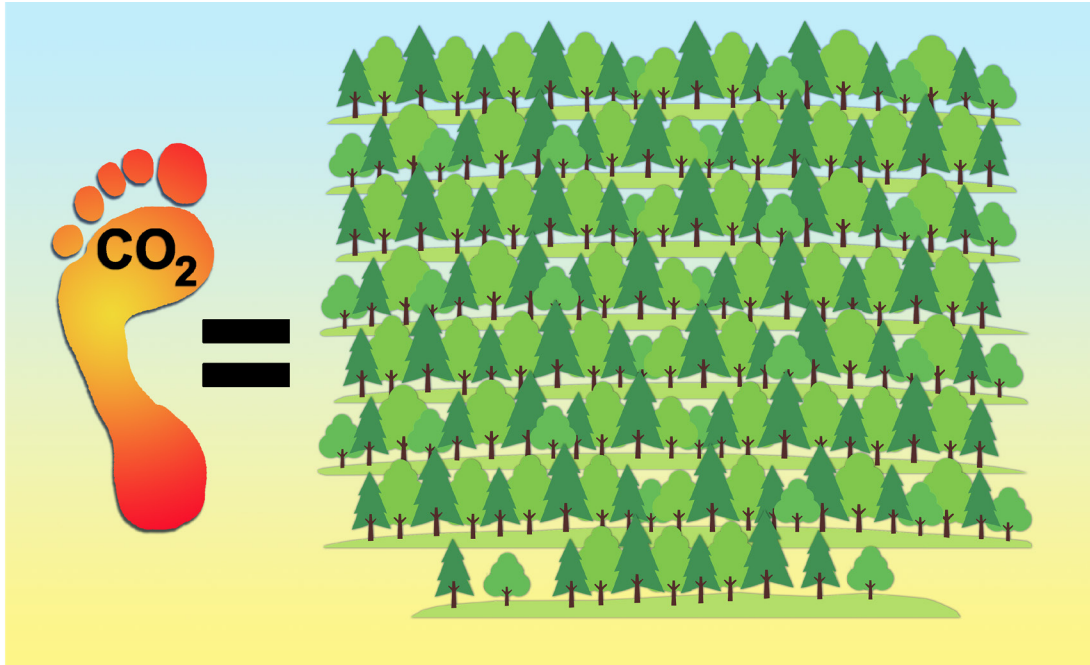
## **Trees Are Cool**

**Three Well Placed Trees Save an Average Household \$100-\$250 in Energy Costs Annually**

Source: First Energy Corporation. Smart Landscaping and Energy Efficiency.  
[accessed 6/24/22] [https://www.firstenergycorp.com/help/saving\\_energy/trees.html](https://www.firstenergycorp.com/help/saving_energy/trees.html)

# Carbon Footprint of Average Global Citizen Absorbed Annually by Trees

**One Citizen = 165 Mature Trees**



Source: European Environment Agency: Trees Help Tackle Climate Change. Accessed 7/18/22. Trees help tackle climate change — European Environment Agency (europa.eu) The Nature Conservancy. What is Your Carbon Footprint? [Accessed 9/9/22] <https://www.nature.org/en-us/get-involved/how-to-help/carbon-footprint-calculator/>