The Ozark Ambassador

National Weather Service Springfield, Missouri

Preparing For Summer 2023

Inside this Issue:

Preparing for Summer	1
Understanding Heat	2
Heat Safety	3
Helping Others in the Heat	4
Understanding Droughts	5
Outdoors and Weather Safety	6
Reporting Weather Information	7
Building a Weather-Ready Nation	8

Ozark Ambassador Team

Kelsey Angle

Meteorologist in Charge

Steve Runnels

Warning Coordination Meteorologist

Jason Schaumann

Science and Operations Officer

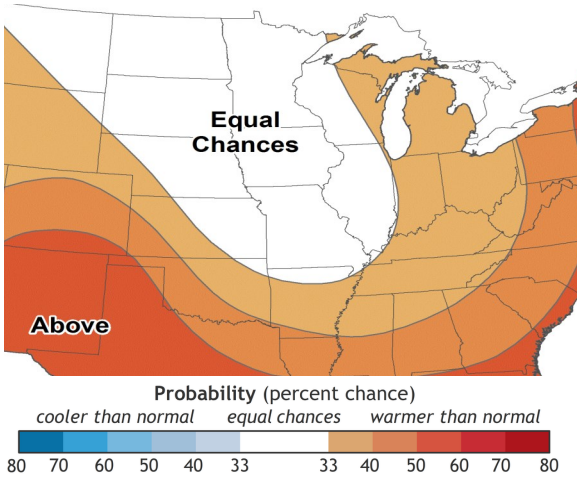
Kyle Perez

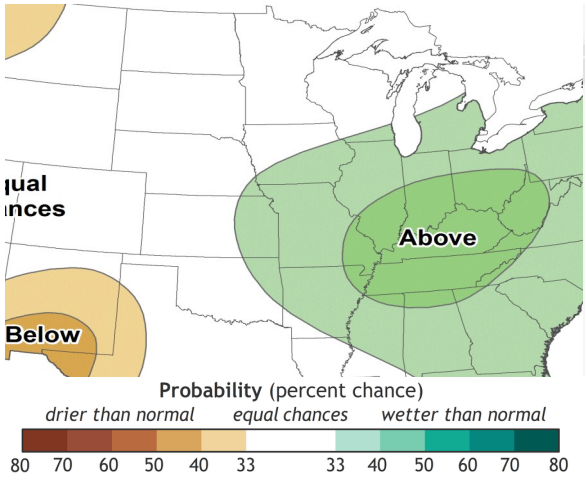
Weather-Ready Nation Ambassador Leader Newsletter Editor

Key Websites

DSS Packet
Weather Story
Weather Prediction Center
Climate Prediction Center
Storm Prediction Center

Summer Outlook

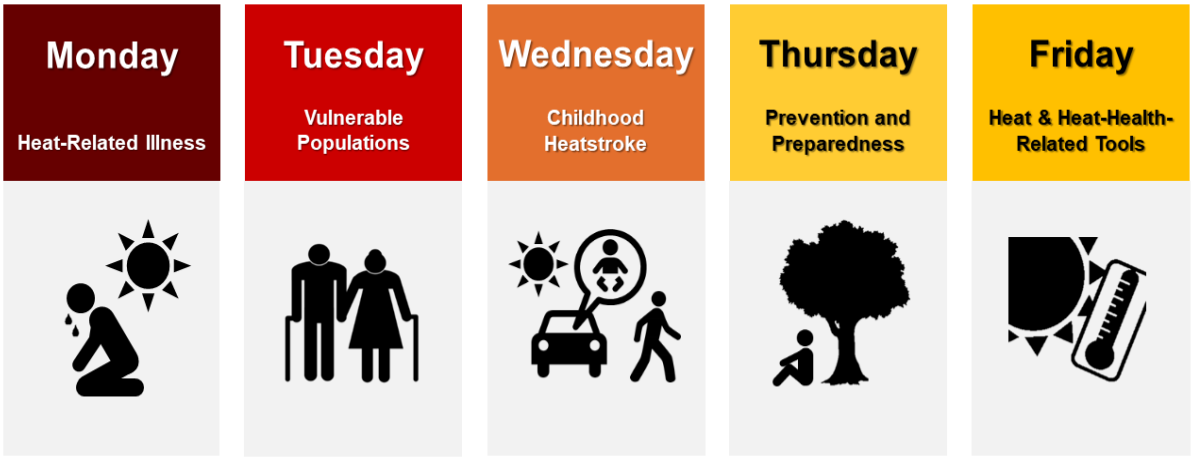




The Summer 2023 outlook favors near normal temperatures and slight above normal precipitation. For more information visit: Climate Prediction Center.

Heat Safety Awareness Week—May 15-19

Join NWS Springfield and the National Integrated Heat Health Information System (NIHHIS) for NIHHIS Heat Safety Awareness social media campaign on May 15-19, 2023. This campaign is a federal collaboration on heat communication to raise awareness about the risk of extreme heat, and to provide audiences with information about preparedness and actions to take to prevent heat-related illnesses and death. In this social media campaign, participating agencies will be sharing resources, guides, infographics, and key messages related to heat and health.



Understanding Heat

Wet Bulb Globe Temperature and Heat Index

HOW DOES WBGT differ from HEAT INDEX

WET BULB GLOBE TEMPERATURE

The Wet Bulb Globe Temperature (WBGT) is a parameter that estimates the effect of temperature, relative humidity, wind, and solar radiation on humans.

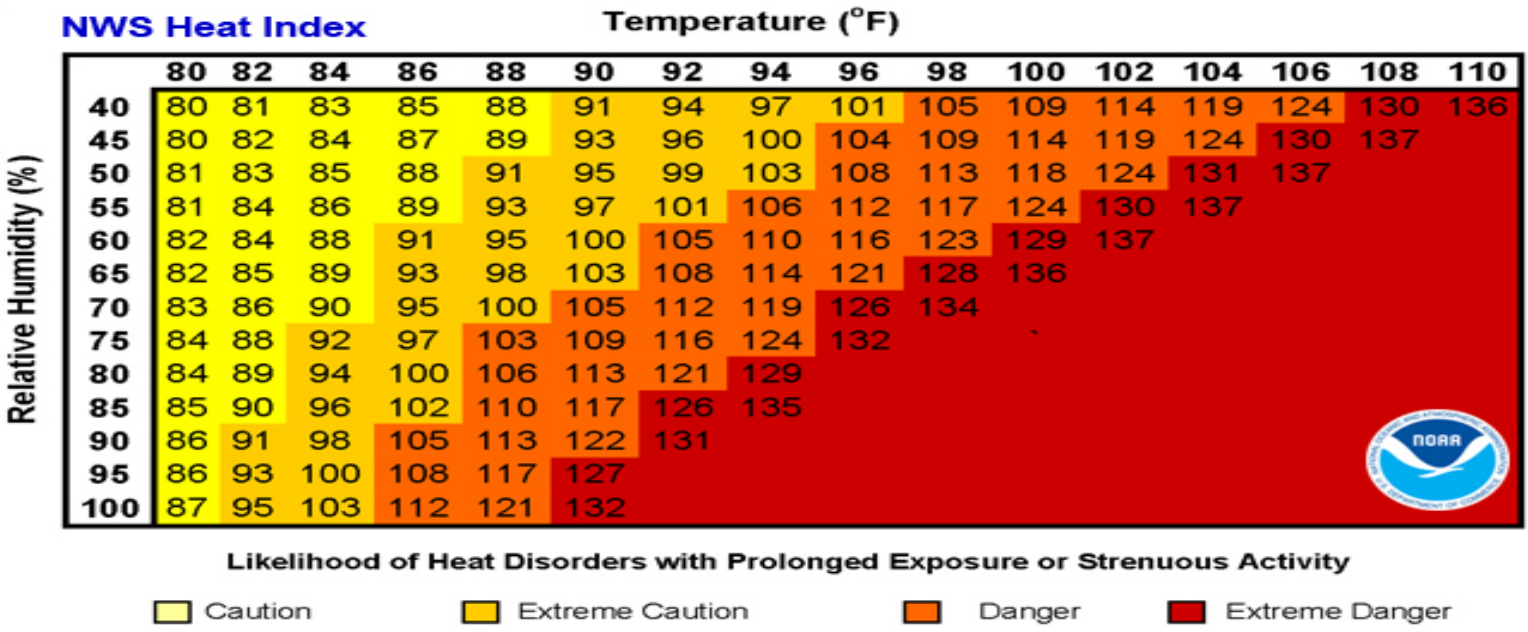
HEAT INDEX

The traditional measure of what the temperature feels like to the human body when relative humidity is combined with the air temperature, also known as apparent temperature.

	WBGT	HEAT INDEX
Measured in the sun	●	●
Measured in the shade	●	●
Uses temperature	●	●
Uses relative humidity	●	●
Uses wind	●	●
Uses cloud cover	●	●
Uses sun angle	●	●

Wet Bulb Globe Temperature Forecast

Heat Index Chart



Wet Bulb Globe Temperature and Heat Index Information

NWS Springfield Heat Products	
Excessive Heat Watch	Issued for a heat index ≥ 110 degrees or a heat index ≥ 105 degrees for 4 days within 24 to 48 hours.
Excessive Heat Warning	Heat index around 110° or higher. Heat index ≥ 105° for 4 or more consecutive days.
Heat Advisory	Heat index around 105° or higher. Heat index 100-104° for 4 or more consecutive days.

Heat Safety

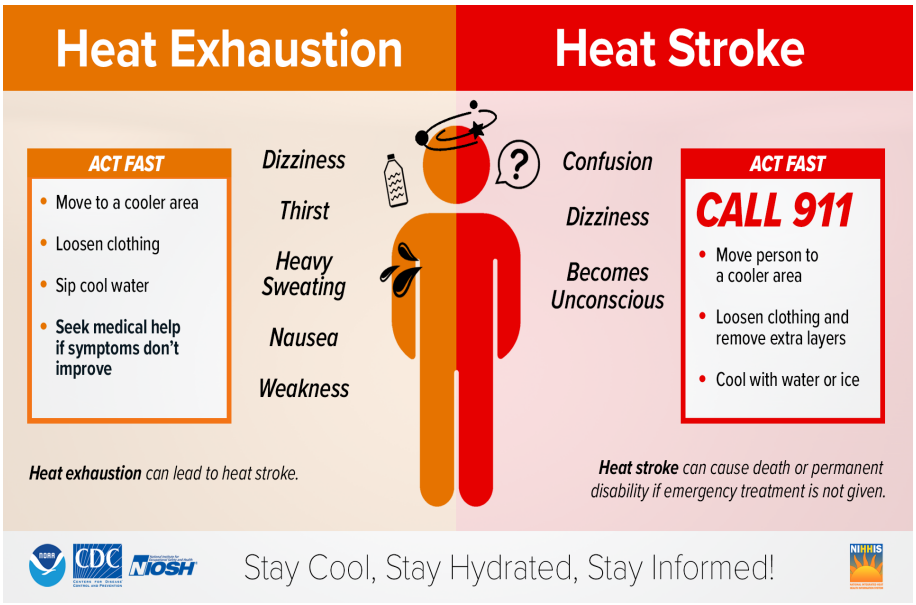
Heat Exhaustion vs. Heat Stroke

Extreme heat is responsible for the highest number of annual deaths among all weather-related hazards.

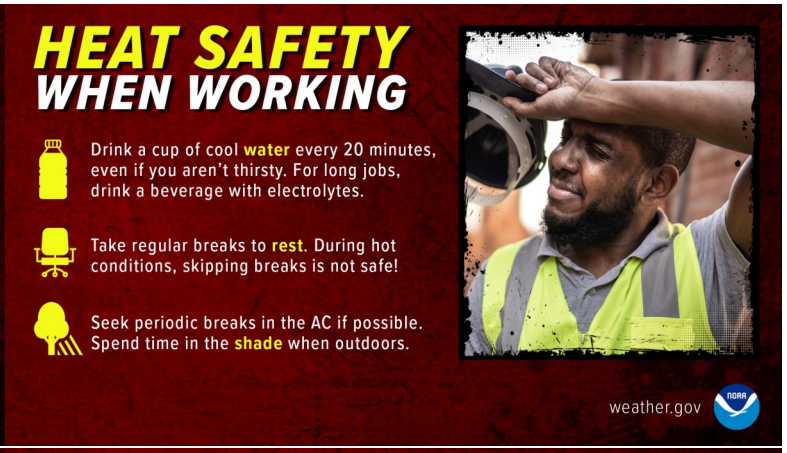
Tips to keep in mind during high heat:

- Find air conditioning.
- Avoid strenuous activities.
- Wear light clothing.
- Check on family members and neighbors.
- Drink plenty of fluids.
- Watch for heat cramps, heat exhaustion and heat stroke.
- Never leave people or pets in a closed car.

Heat Illness Safety Information



Staying Safe in the Heat



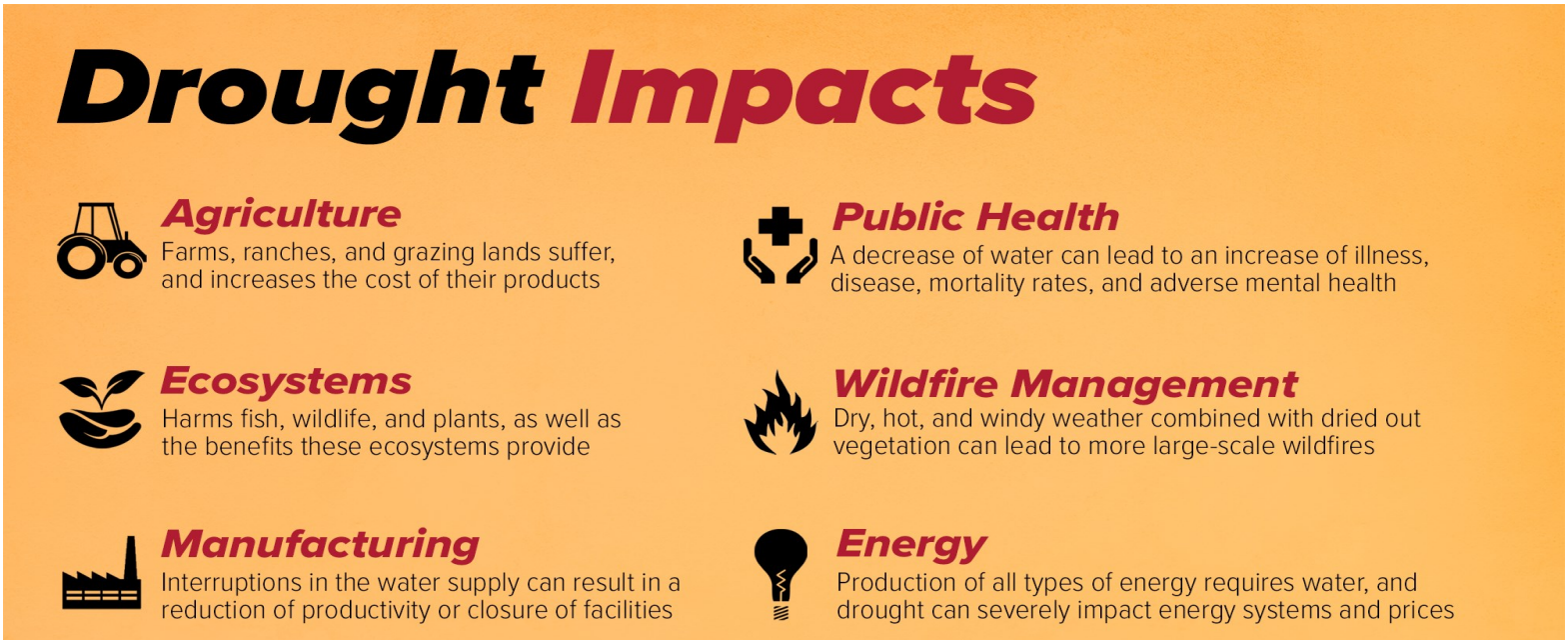
Helping Others in the Heat

Vulnerable Populations

Helping Others

Understanding Droughts

Drought Impacts



Drought Intensity

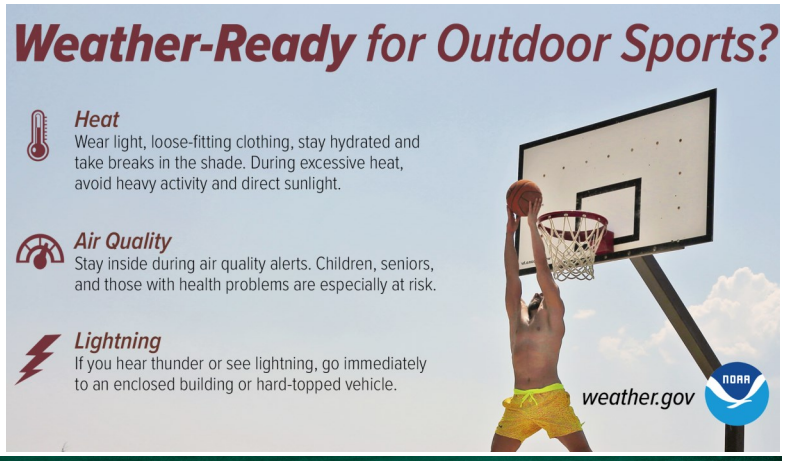
Drought Intensity Classification			
	D0	Abnormally Dry	Going into drought, short-term dryness slowing planting, growth of crops and pastures; fire risk above average. Coming out of drought, some lingering water deficits, pastures or crops not fully recovered.
	D1	Moderate Drought	Some damage to crops, pastures, fire risk high; streams, reservoirs or wells low, some water shortage developing or imminent, voluntary water use restrictions requested.
	D2	Severe Drought	Crop or pasture loss likely, fire risk very high, water shortages common, water restrictions imposed.
	D3	Extreme Drought	Major crop/pasture losses, extreme fire danger, widespread water shortages or restrictions.
	D4	Exceptional Drought	Exceptional and widespread crop and pasture losses, exceptional fire risk, shortages of water in reservoirs, streams and wells causing water emergencies.

For more information check out the National Drought Mitigation Center and National Integrated Drought Information System.

Outdoors and Weather Safety

Lightning

Weather-Ready Outdoors



Reporting Weather Information

Ways to Send Reports

Send Report to NWS

Call 417-863-8028
Text 417-830-7659

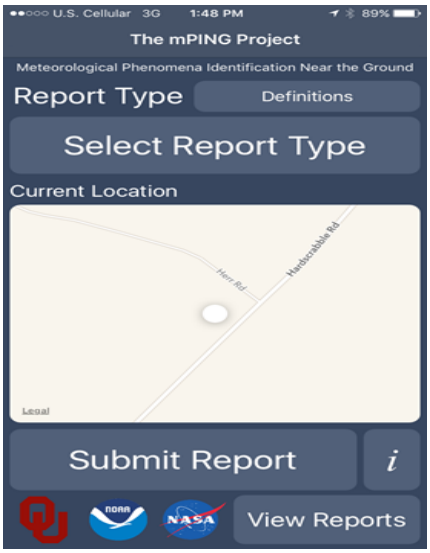
contact.sgf@noaa.gov

@NWSSpringfield

@NWSSpringfield

iNWS Storm Reports

mPING App



Join CoCoRaHS Volunteer Program

What is CoCoRaHS?

The Community Collaborative Rain, Hail and Snow Network, is a non-profit, community based, network of volunteers who measure and report rain, hail and snow in their backyards. Additional CoCoRaHS info.

Who uses CoCoRaHS?

CoCoRaHS is used by a wide variety of organizations and individuals. The National Weather Service, other meteorologists, hydrologists, emergency managers, city utilities (water supply, water conservation, storm water), insurance adjusters, USDA, engineers, mosquito control, ranchers and farmers, outdoor & recreation interests, teachers, students, and neighbors in the community are just some examples of those who visit our Web site and use our data.

Volunteers of All Ages Welcome!

Everyone can participate, both young, old, and in-between. The only requirements are an enthusiasm for watching and reporting weather conditions and a desire to learn more about how weather can affect and impact our lives. Check out the volunteers wanted flyer.

Join CoCoRaHS Volunteer Program

Building a Weather-Ready Nation

Becoming a Weather-Ready Nation Ambassador

What do Weather-Ready Nation Ambassadors Do?

Promote Preparedness and Resiliency:
✓ Follow our social media and share our hazardous weather and safety posts.

Collaborate with the NWS:
✓ Let us know how we can help you and your community become more weather ready.

Serve as an example:
✓ Educate employees on workplace preparedness and encouraging personal preparedness at home.

[Click here to Learn More about Becoming an Ambassador]

Following the NWS and Summer Safety Campaign

Office: (417) 863-8028
contact.sgf@noaa.gov
weather.gov/springfield
@NWSSpringfield
@NWSSpringfield
Youtube.com/NWSSpringfield

Summer Weather Safety Resources

Heat
Drought
Lightning
Thunderstorm
Flood
Tornado

Other Resources

National Integrated Heat Health Information System (NIHHIS)
Missouri SEMA Heat Safety
Kansas Department of Health and Environment
CDC Tips for Preventing Heat Related Illness
NIOSH Heat Stress Safety
Missouri Cooling Centers

Follow NWS Springfield