



Hot and Humid Through Friday

July 27, 2023
4:08 AM

Severe Weather Potential on Friday

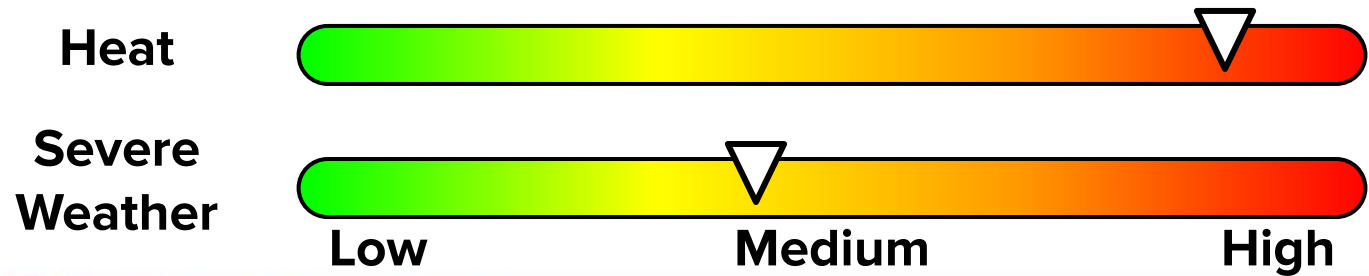
Key Messages

- Heat through Friday could be dangerous to some, especially those working outside.
- Stay hydrated, seek shade when possible.
- Heat Advisories in place for most of the region.
- Max heat index values of 100-115°.

Important Forecast Updates

- Excessive Heat Warning issued for parts of southeast Nebraska
- Heat Advisory expanded northward on Friday
- Some severe weather potential on Friday

Overall Forecast Confidence



HEAT EXHAUSTION	OR	HEAT STROKE
Faint or dizzy		Throbbing headache
Excessive sweating		No sweating
Cool, pale, clammy skin		Body temperature above 103° Red, hot, dry skin
Nausea or vomiting		Nausea or vomiting
Rapid, weak pulse		Rapid, strong pulse
Muscle cramps		May lose consciousness
<ul style="list-style-type: none">• Get to a cooler, air conditioned place• Drink water if fully conscious• Take a cool shower or use cold compresses		CALL 9-1-1 <ul style="list-style-type: none">• Take immediate action to cool the person until help arrives





Heat Index Forecast

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Maximum Heat Index Forecast																														
	7/27 Thu					7/28 Fri					7/29 Sat					7/30 Sun														
	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	Maximum
Omaha	97	102	105	106	94	87	81	78	95	106	109	107	94	84	76	73	83	92	93	91	84	75	71	69	78	87	91	92	85	109
Lincoln	96	103	106	106	96	86	82	79	95	107	109	106	94	84	76	73	86	94	95	94	86	77	72	70	82	92	95	93	86	109
Norfolk	96	103	106	104	93	83	75	75	92	102	103	100	86	75	70	68	77	85	87	86	77	70	66	66	77	87	90	89	82	106
Albion	93	102	104	103	91	82	75	74	90	99	102	100	85	74	70	68	76	85	87	86	76	70	66	66	76	86	90	90	83	104
Beatrice	92	99	103	105	91	83	78	78	94	105	107	104	90	78	74	73	86	94	96	95	83	74	70	69	79	89	94	95	85	107
Bloomfield	90	100	103	102	88	78	74	73	89	99	101	97	84	73	68	66	75	83	85	84	75	68	65	65	76	85	89	88	78	103
Clarinda	97	105	106	102	89	79	77	77	96	105	109	107	92	77	73	72	85	94	96	95	82	72	68	68	78	87	91	92	82	109
Columbus	94	101	106	105	91	78	75	76	93	102	105	103	87	75	71	70	77	87	89	88	77	71	67	67	77	87	90	90	81	106
Fairbury	93	101	104	107	93	83	77	78	95	106	107	104	89	77	73	71	86	95	96	95	84	73	69	70	83	93	96	95	85	107
Falls City	91	100	103	100	87	83	81	79	93	105	107	105	90	81	74	73	87	96	97	95	84	74	70	70	82	91	93	93	84	107
Fremont	97	101	105	105	91	78	76	75	94	104	106	105	90	77	73	70	78	89	89	89	77	71	67	66	76	85	90	90	79	106
Harlan	94	101	102	100	88	76	73	74	94	102	106	106	91	75	70	69	77	86	87	86	75	68	64	65	76	85	87	87	76	106
Hartington	92	100	103	99	88	78	73	73	91	101	102	98	83	72	68	66	75	83	85	84	74	68	65	65	76	84	87	86	77	103
Nebraska City	96	100	104	102	89	82	77	77	94	104	108	106	90	78	74	72	83	93	94	93	79	73	69	69	78	87	91	92	83	108
Neligh	94	102	104	102	89	78	74	74	89	98	101	99	84	73	69	67	75	84	86	85	75	68	65	65	76	86	90	89	81	104
Onawa	95	103	104	102	91	77	73	73	93	103	105	102	89	75	70	68	78	86	87	86	76	69	64	64	77	84	87	88	79	105
Red Oak	93	104	104	102	90	82	77	77	96	105	110	109	92	77	73	72	83	93	94	92	82	72	68	68	78	86	91	92	82	110
Seward	93	100	103	101	91	82	77	77	94	103	103	101	88	76	72	71	82	90	90	89	79	72	68	68	78	88	91	90	82	103
Tekamah	94	100	102	100	86	75	72	73	92	101	104	102	86	74	70	69	77	84	86	86	75	68	65	65	76	84	87	87	76	104
Wayne	97	106	106	104	91	78	74	74	92	102	104	101	86	73	69	67	76	84	86	85	74	67	64	64	76	85	88	87	78	106
West Point	93	102	104	103	88	78	74	74	91	101	103	100	86	74	70	68	75	84	86	85	74	67	64	64	75	84	88	87	76	104

*Table values in °F
**Created: 4 am CDT Thu 7/27/2023
***Values are maximums over the period beginning at the time shown.

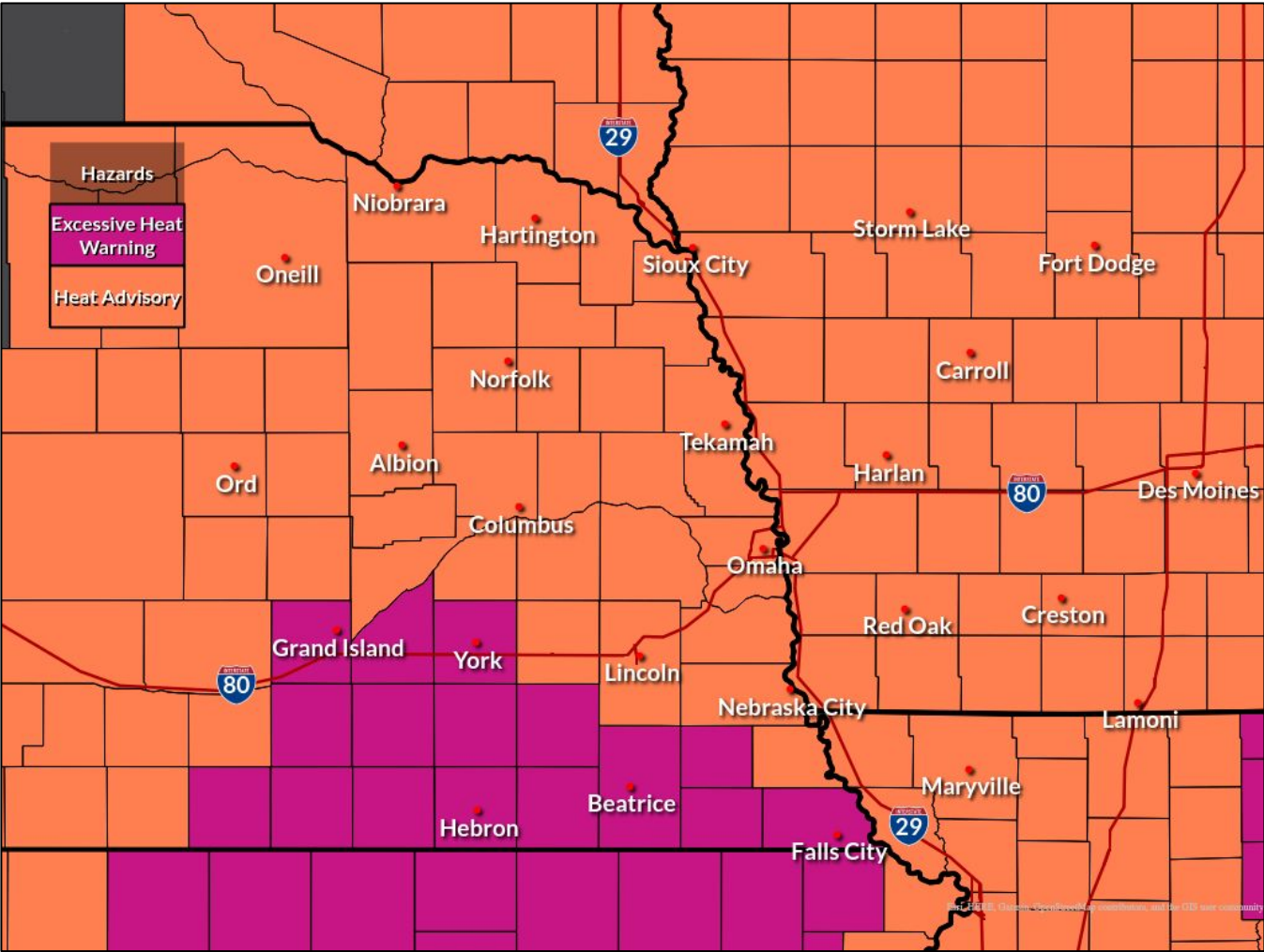




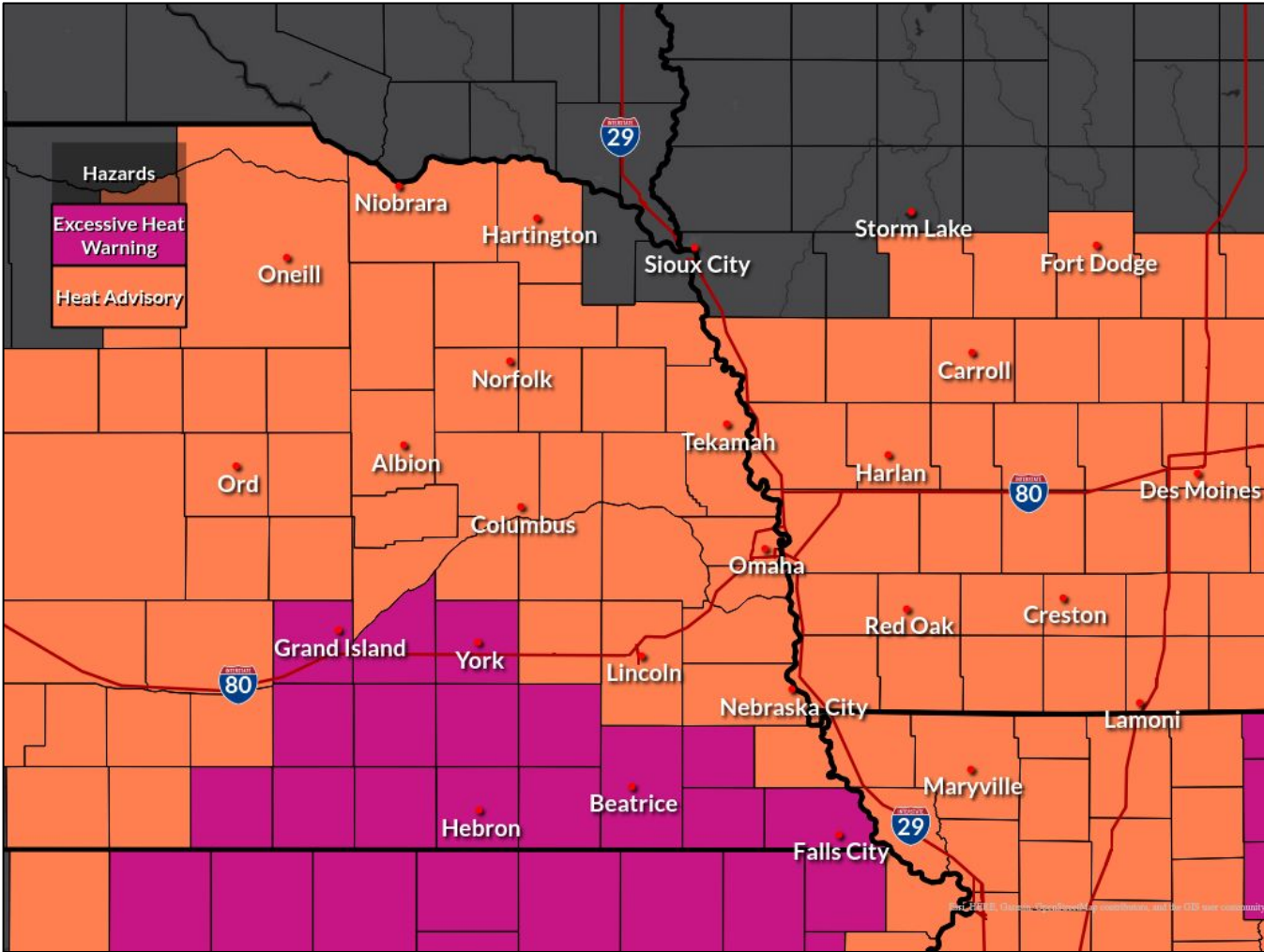
Advisories and Warnings Through Friday

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Today



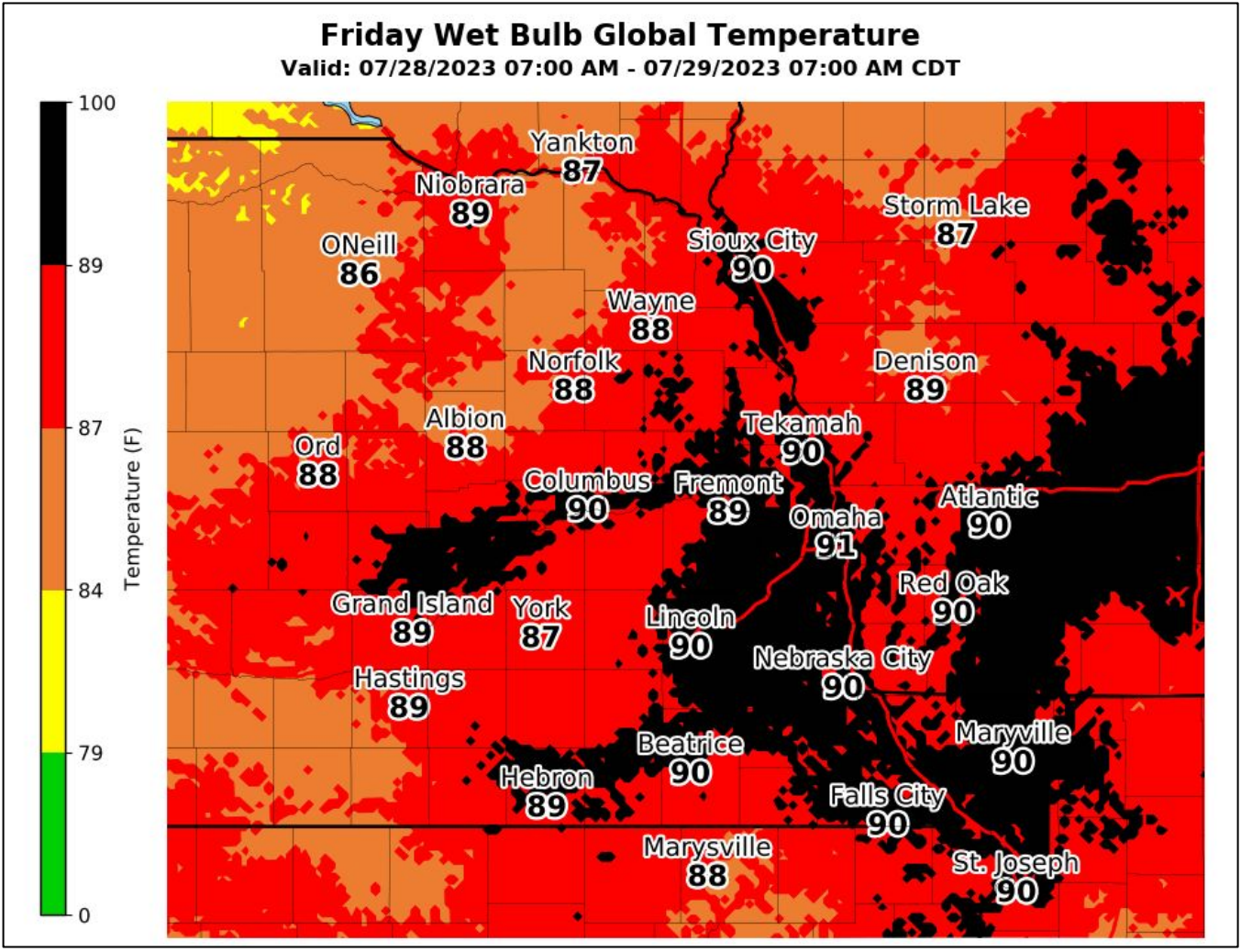
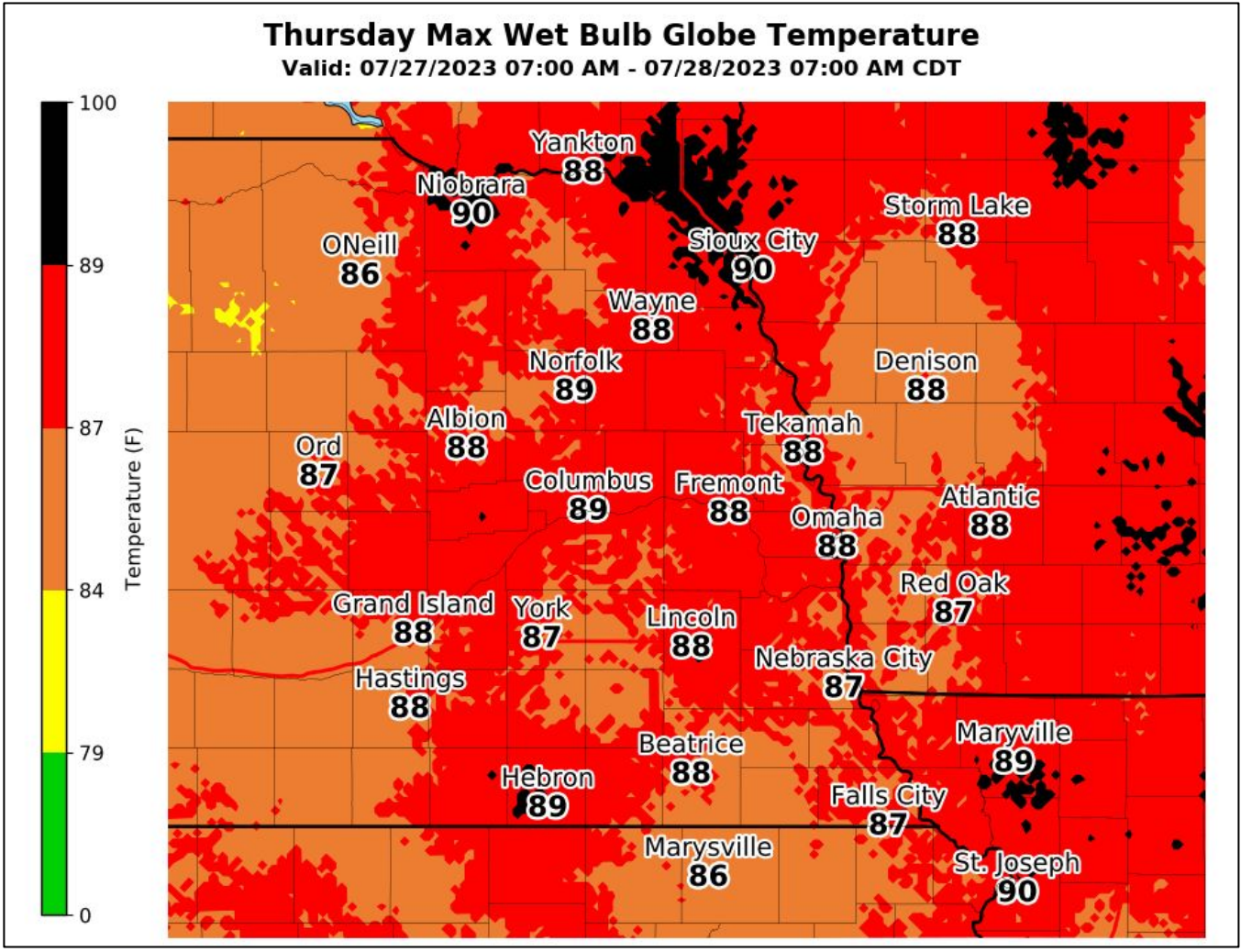
Friday





Wet Bulb Globe Temperatures

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4:08 AM



More information at weather.gov/oax/wbgt.



Heat Related Deaths ARE Preventable *LOOK BEFORE YOU LOCK*



The temperature in your car
can quickly become deadly!

Outside Temperature 80°



Time Elapsed:
10 Minutes



Time Elapsed:
20 Minutes



Time Elapsed:
30 Minutes



Time Elapsed:
60 Minutes



weather.gov/heat

nhtsa.gov




Messaging




There is an old saying that
"It's not the heat, it's the humidity."

When it's hot with high humidity, the body
has a harder time cooling

The **NWS Heat Index forecasts** take into account
temperature and relative humidity to provide the "apparent
temperature" or the temperature the body "feels"



Heat Index uses metabolic data
assuming 5'7" adult, 147.7 lbs,
walking in the shade, wearing
trousers and short sleeved shirt,
with a 5 mph wind



	Temperature (°F)																	
	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110		
40	80	81	83	85	88	91	94	97	101	105	109	114	119	124	130	136		
45	80	82	84	87	89	93	96	100	104	109	114	119	124	130	137			
50	81	83	85	88	91	95	99	103	108	113	118	124	131	137				
55	81	84	86	89	93	97	101	106	112	117	124	130	137					
60	82	84	86	91	95	100	105	110	116	123	129	137						
65	82	85	89	93	98	103	108	114	121	128	136							
70	83	86	90	95	100	105	112	119	126	134								
75	84	88	92	97	103	109	116	124	132									
80	84	89	94	100	106	113	121	129										
85	85	90	96	102	110	117	126	135										
90	86	91	98	105	113	122	131											
95	86	93	100	108	117	127												
100	87	95	103	112	121	132												

Likelihood of Heat Disorders with Prolonged Exposure or Strenuous Activity

Caution

Extreme Caution

Danger

Extreme Danger



Friday's Severe Weather Risk

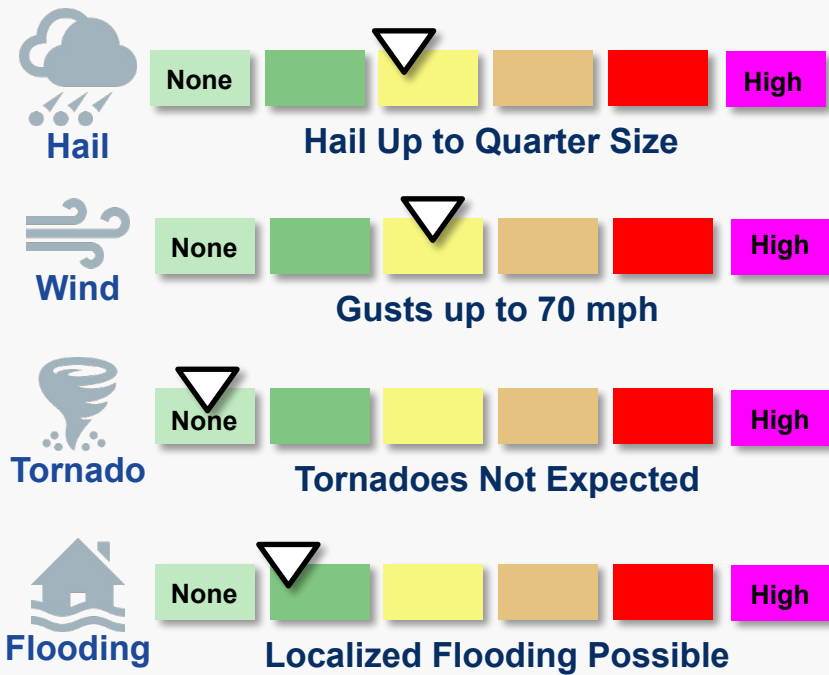
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Threat Assessment

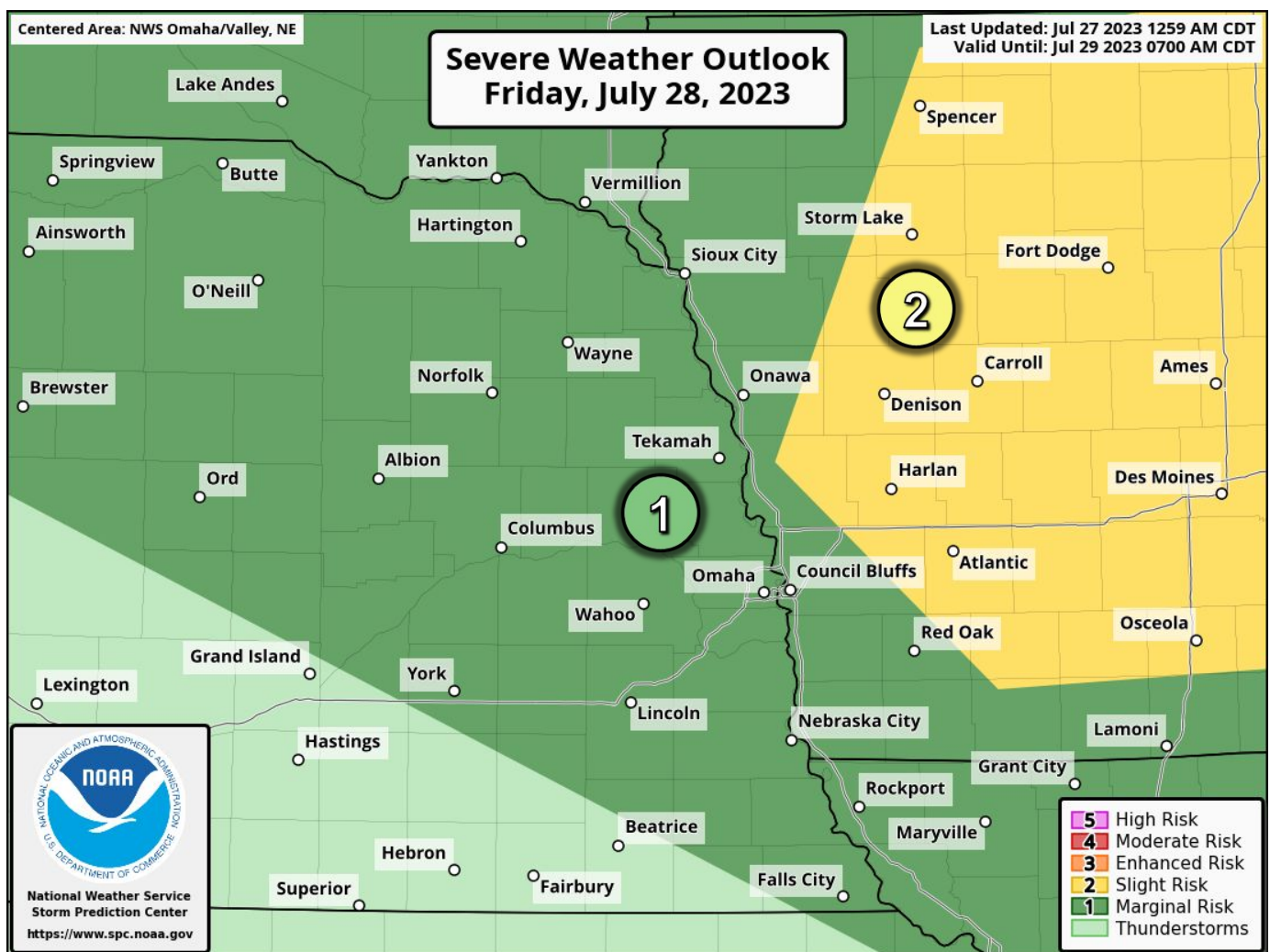
HIGHEST LOCAL RISK

2

THREAT LEVEL FOR THE HIGHEST RISK



Severe Weather Outlook



What to Know

- **20-30% chance** of storms Friday. **5-20% chance** of these being severe.
- **Threat area could shift.** Storms to develop on a front stretching across IA and NE, but questions remain on how far north or south that front will be.

Timing of Greatest Threat



Afternoon and Evening

What To Do



Outdoor Plans?
Stay Weather Aware



Have Multiple Ways
to Receive Warnings



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Omaha/Valley, NE

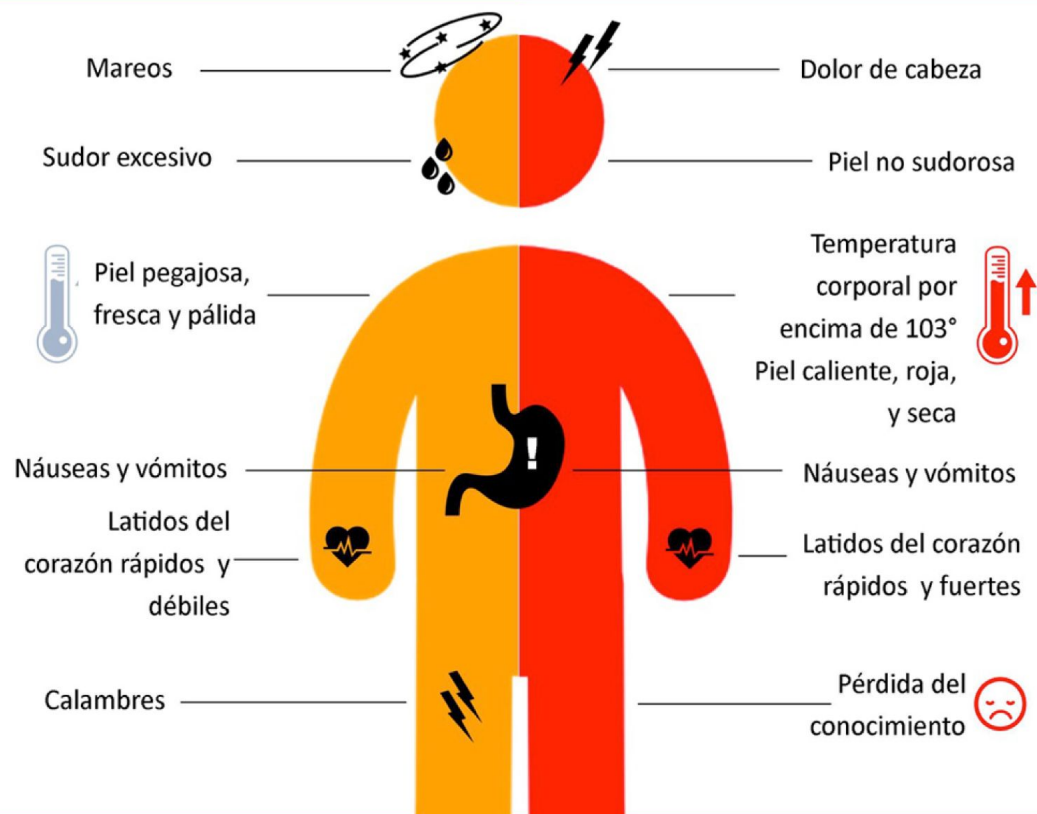


Safety Resources

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AGOTAMIENTO DEBIDO AL CALOR

INSOLACIÓN



- Descanse en un lugar fresco y sombreado
- Tome mucha agua y otros líquidos
- Báñese con agua fría o utilice compresas frías

Llame al 9-1-1

- Tome acción inmediatamente para enfriar su temperatura corporal hasta que llegue la ayuda necesaria

Additional Resources

- [NWS Omaha Web Page](#)
- [NWS Omaha Weather Story Graphics](#)
- [Hourly Forecasts for a Point](#)
- [Severe Weather Outlooks](#)
- [Excessive Rainfall Outlooks](#)
- [Heat Safety](#)



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National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Omaha/Valley, NE