



# NWS Paducah Weekly Partner Call

December 16, 2024  
11:00 AM

Monday, December 16th, 2024 - 11 AM CST

# Welcome!

**Christine Wielgos**  
**WCM**

**[christine.wielgos@noaa.gov](mailto:christine.wielgos@noaa.gov)**



**<https://www.weather.gov/media/pah/WeeklyPartnerBriefing.pdf>**



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

National Weather Service  
Paducah, KY





# Key Messages for This Week

December 16, 2024  
11:00 AM

Valid Monday, December 16 to Monday, December 23, 2024.

## Key Messages

- Widespread showers and thunderstorms forecast through this afternoon. Locally heavy rain is possible with minor flooding issues.
- Dry and cooler on Tuesday.
- Another round of light to moderate rain is forecast Tuesday night through Wednesday afternoon.
- Rainfall amount will range from 0.10-0.25" to 1.00 to 1.25" from northwest to southeast, respectively from today through Wednesday.
- Turning much colder and drier for the end of the week into next weekend.

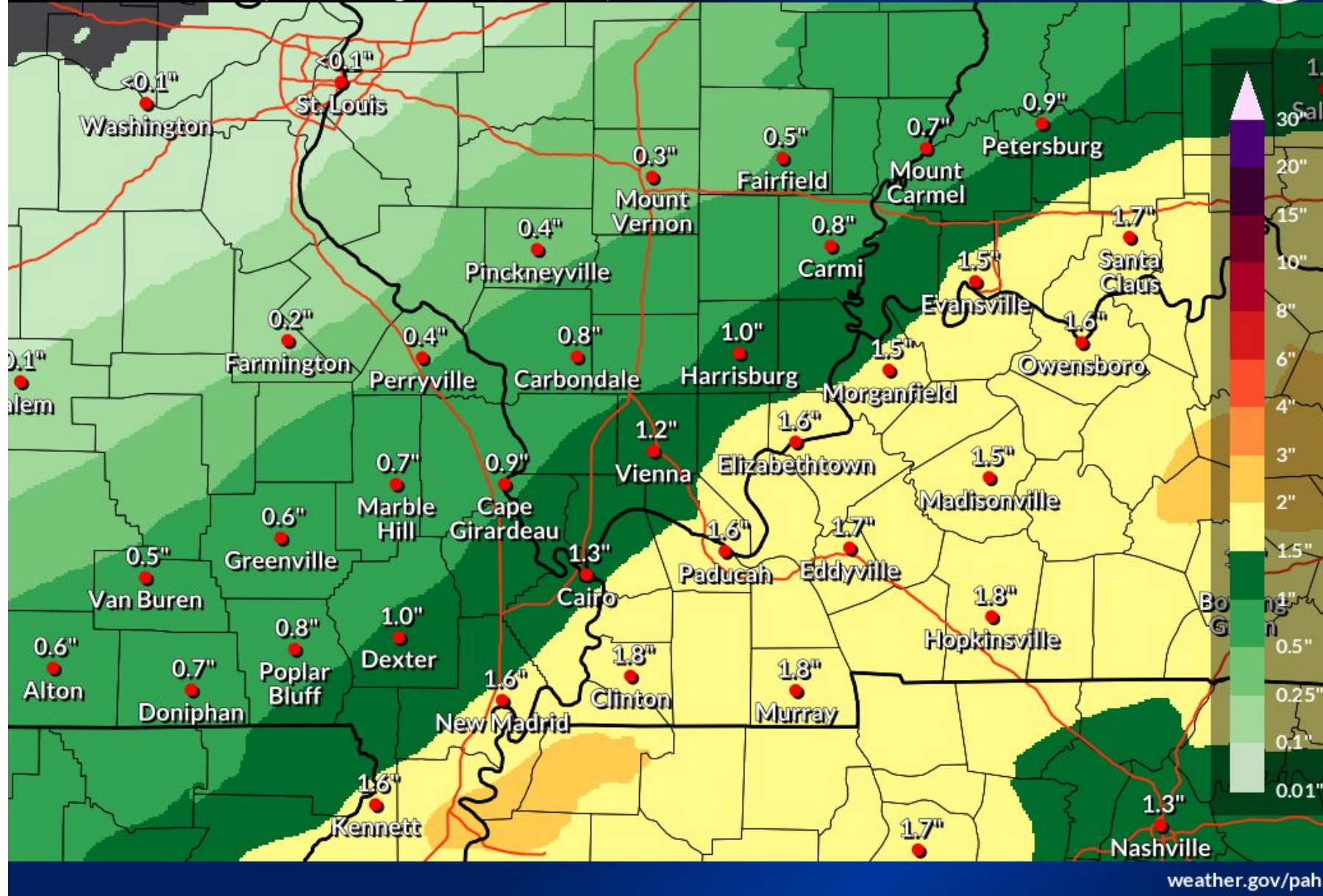
### Expected Liquid Precipitation: Official NWS Forecast

Weather Forecast Office  
Paducah, KY



Valid 6 AM Mon Dec 16, 2024 through 6 AM Thu Dec 19, 2024

Issued Dec 16, 2024 9:16 AM CST



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

National Weather Service  
Paducah, KY





# Weekly Planner

December 16, 2024  
11:00 AM

High and Low Temperature, Precipitation Chances, and Weather Type Shown Below

	Highs					Lows					Weather & Precipitation Chances													
	12/16 Mon	12/17 Tue	12/18 Wed	12/19 Thu	12/20 Fri	12/16 Mon	12/17 Tue	12/18 Wed	12/19 Thu	12/20 Fri	Mon 12pm	Tue 12am	Tue 12pm	Wed 12am	Wed 12pm	Thu 12am	Thu 12pm	Fri 12am	Fri 12pm	Sat 12am	Sat 12pm	Sun 12am	Sun 12pm	
Cape Girardeau	64	55	52	45	39	43	34	37	30	29	40%		65%	80%										
Carbondale	65	55	50	44	39	42	33	35	26	29	40%		70%	80%										
Evansville	63	53	51	42	39	46	36	37	28	30	80%		35%	80%	15%									
Harrisburg	63	54	50	43	37	44	36	35	26	28	40%		55%	80%										
Henderson	62	52	50	42	38	45	36	38	28	30	80%		35%	80%	15%									
Hopkinsville	62	57	54	46	42	50	38	39	30	29	85%		40%	85%	30%									
Madisonville	62	55	54	44	39	46	37	38	28	29	95%		35%	85%	25%									
Marion	64	55	50	44	38	44	35	35	26	28	40%		65%	80%										
Mount Carmel	62	52	49	41	37	42	35	34	27	29	65%		40%	75%	15%									
Mount Vernon	63	53	48	42	36	39	32	32	25	27	20%		60%	75%										
Murray	63	57	57	47	41	50	40	39	31	29	95%		50%	85%	25%									
New Madrid	63	55	53	46	41	46	38	39	30	30	90%		55%	80%	20%									
Owensboro	62	54	53	44	39	46	36	38	29	30	90%		30%	80%	20%									
Paducah	65	57	55	47	41	46	36	37	28	28	90%		50%	80%	20%									
Poplar Bluff	66	55	55	47	42	46	38	37	28	29	40%		70%	75%										

- Rain +
- Thunderstorms +
- Snow +

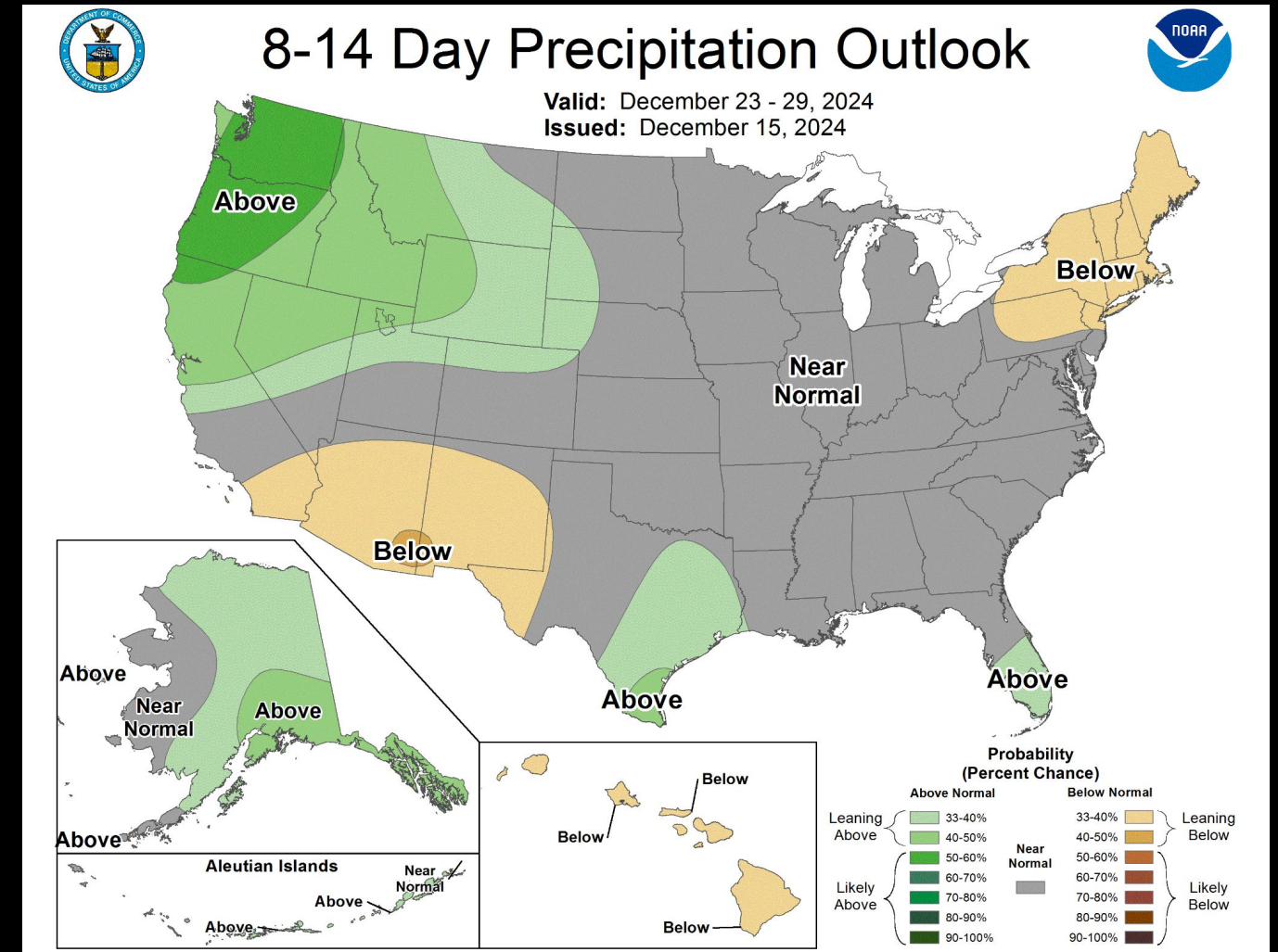
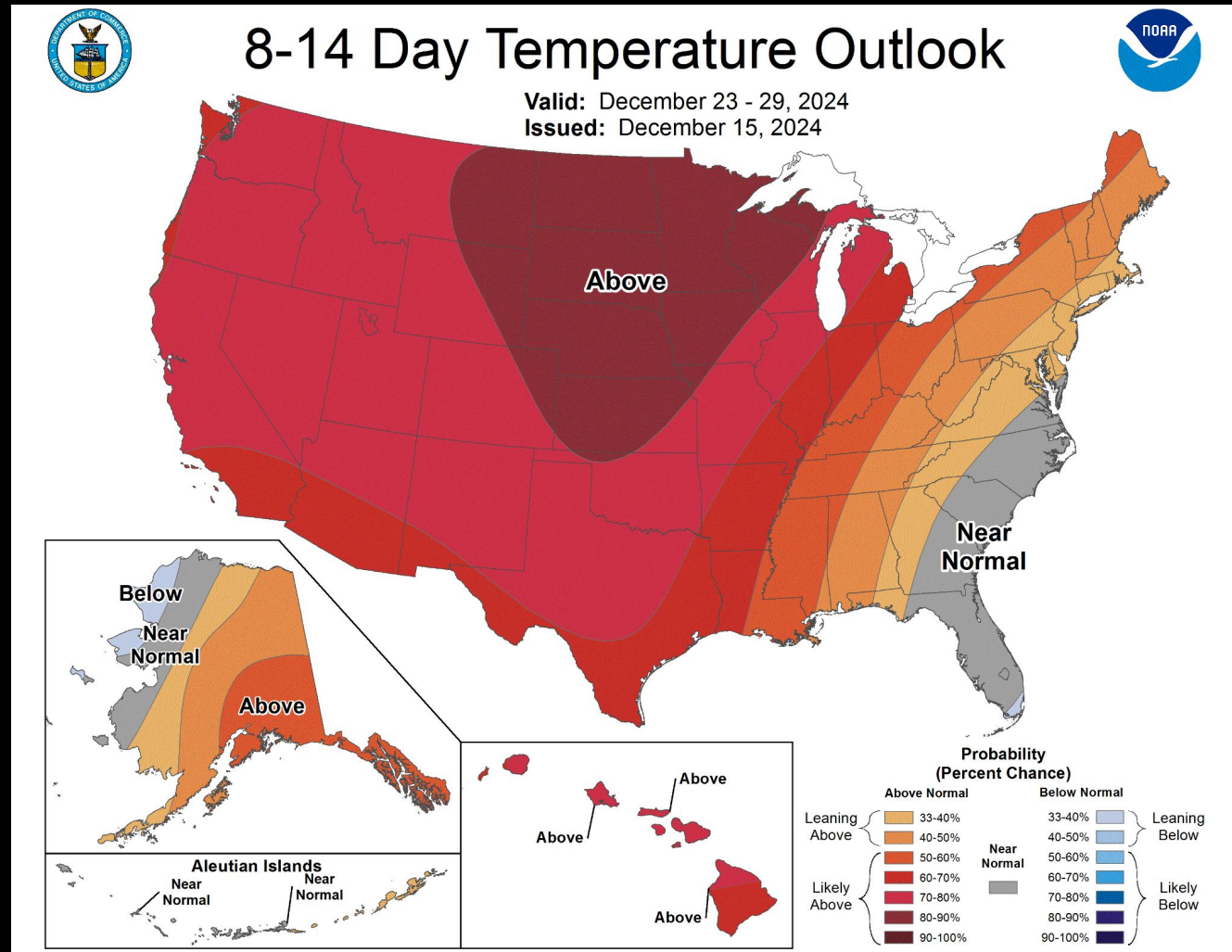




# Temperature & Precipitation Outlook

December 16, 2024  
11:00 AM

Valid December 23 to December 30, 2024



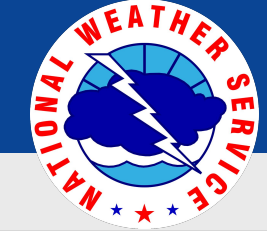
**Forecast**  
Odds strongly favor above normal temperatures

**Normal Highs**  
Lower to Middle 40s

**Normal Lows**  
Upper 20s to Lower 30s

**Forecast**  
Odds favor near normal precipitation

**Normal Precipitation**  
Around 1.00"



# Temperature, Snowfall, & Travel Information

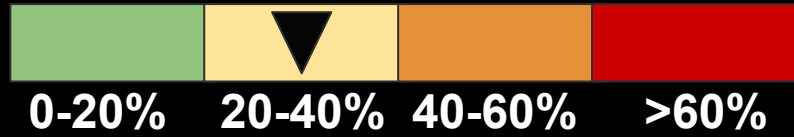
December 16, 2024  
11:00 AM

Valid December 23 to December 30, 2024

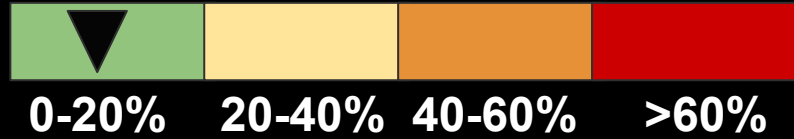


## Temperature Probabilities

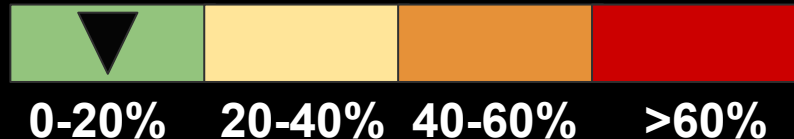
### Highs Below 40°F



### Highs Below 32°F



### Highs Below 20°F



## Weather Threats

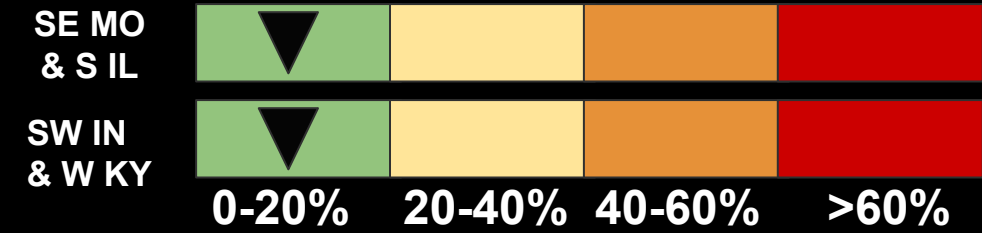
	Probability Category
Snow	Very Low
Mixed Precipitation	Very Low
Freezing Rain	Very Low
Flash Freeze	Very Low
Winds Over 30 MPH	Very Low

## Travel Impacts

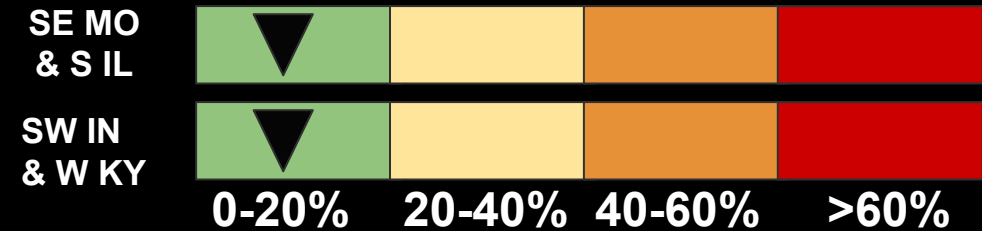
	Probability Category
Minor ( <i>Inconvenient</i> )	Very Low
Moderate ( <i>Disruptive</i> )	Very Low
Major ( <i>Very Disruptive</i> )	Very Low

## Snow and Ice Probabilities

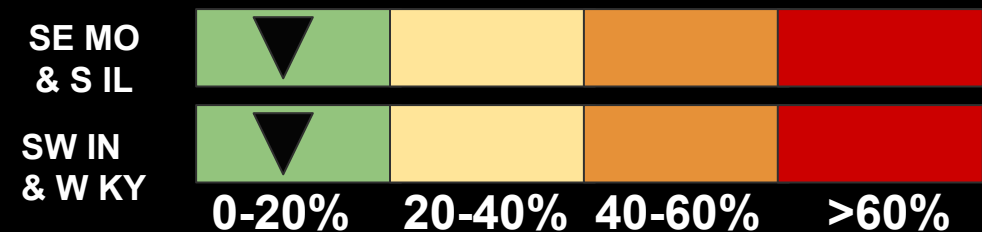
### Any Accumulating Snow

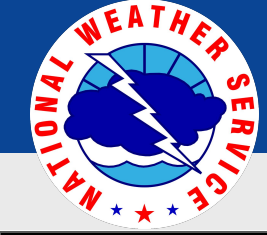


### Any Accumulating Freezing Rain



### Any Accumulating Sleet or Mix





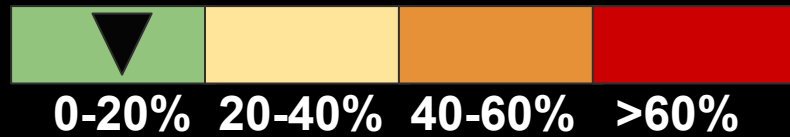
# Extreme Cold, Wind Chill, & Heavy Snow Risk

December 16, 2024  
11:00 AM

Valid December 23 to December 30, 2024

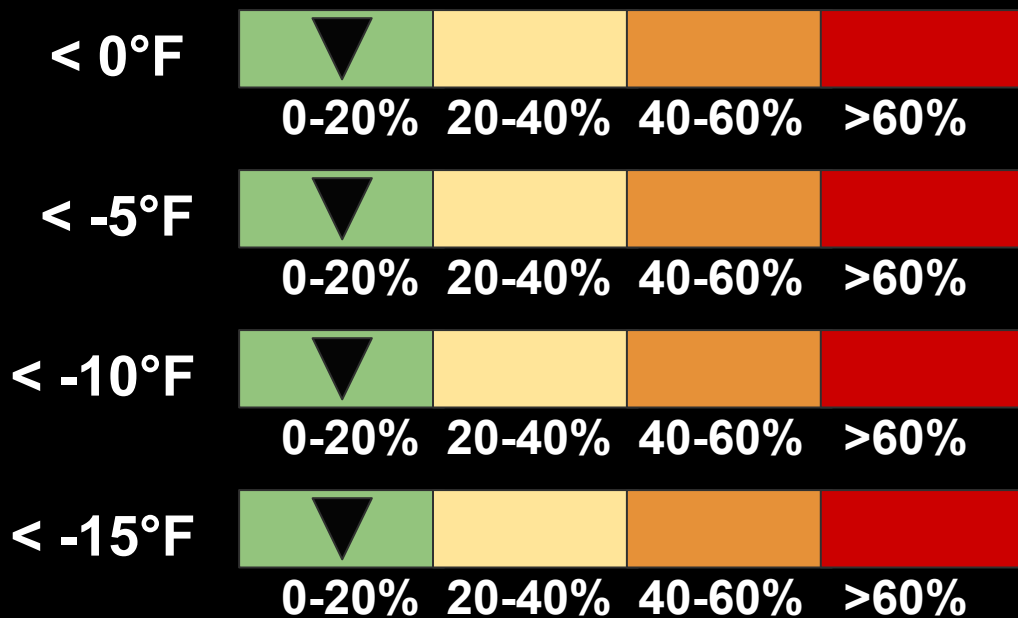
## Extreme Cold

*The probability of experiencing temperatures cold enough to rank in the top 10% for this time of year*



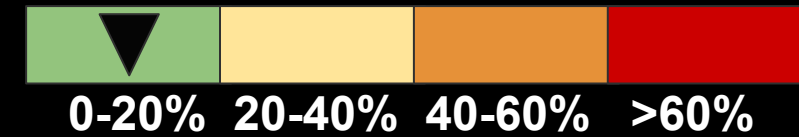
## Lowest Wind Chill

*Combines the effects of temperature and wind*



## Heavy Wintry Precipitation

*The probability of receiving snow, sleet, or ice accumulations that rank in the top 10% for this time of year*



## Timeframe

None

## Location

None

## Details/Precipitation Type

None







# Rainfall and Thunderstorm Probabilities

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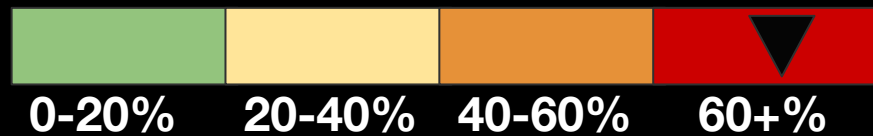
Valid December 23 to December 30, 2024

## Rainfall Probabilities

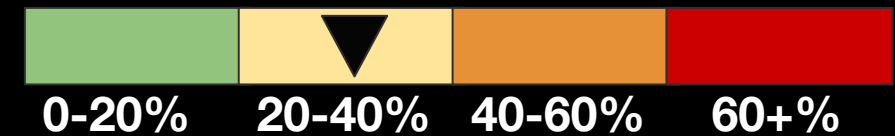


## Thunderstorms

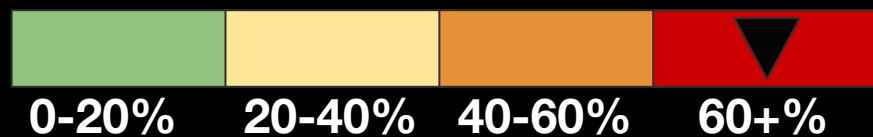
### Any Rainfall



### Probability for Thunderstorms



### At least 1"

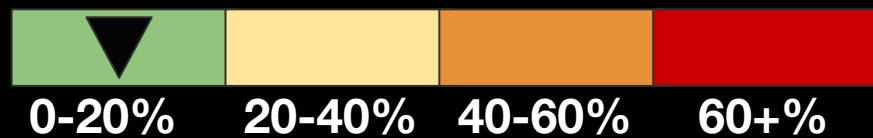


### Probability Category      Severe Potential?

0-20%	Dec 23	No
0-20%	Dec 24	No
0-20%	Dec 25	No
0-20%	Dec 26	No
20-40%	Dec 27	No
20-40%	Dec 28	No
20-40%	Dec 29	No

### Extreme Rainfall Risk

(At Least 2" of Rain + Ranking in Top 10% For This Period)





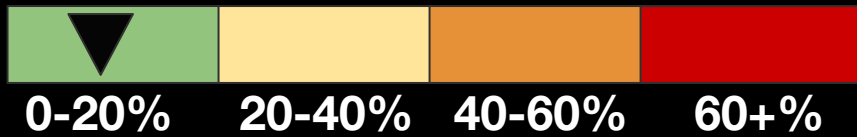
# Fire Weather & River Flooding Concerns

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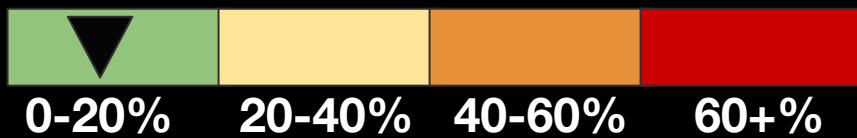
Valid December 2 to December 8, 2024

## Fire Weather Probabilities

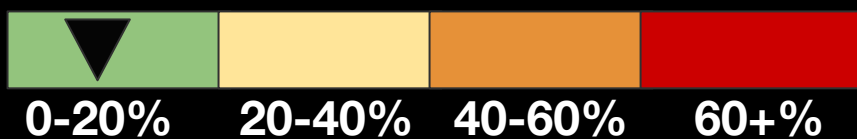
### Relative Humidity Values Below 25%



### Potential for Rapid Drying of Fuels

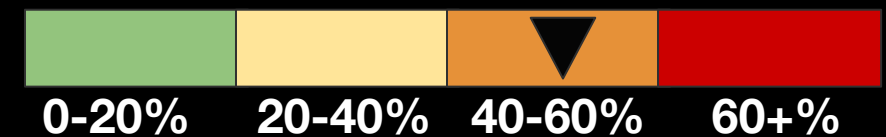


### Potential for Elevated/Critical Conditions

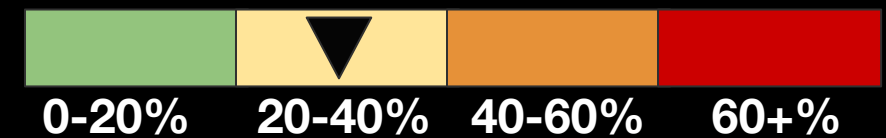


## River Flooding Probabilities

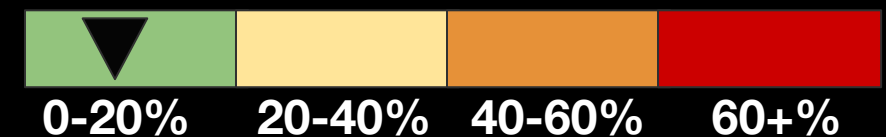
### Rivers Reaching Bankfull (Action Stage)



### Rivers Reaching Minor Flood Stage



### Rivers Reaching Moderate or Higher Stage







# Reminders and Notes

December 16, 2024  
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## Spotter Training Webinars/Classes

- Severe Weather Spotter Training Classes
  - Several classes have been scheduled. More on the way! EMs - email Christine to schedule a class.
  - Webinars scheduled for Jan, Feb, Mar.
- Registration Link for all classes:
  - <https://www.weather.gov/pah/spottertraining>

## Severe Weather Workshop

- Paducah, KY: March 25, 2025 9 AM - 12 PM CST

## Tri-State Tornado 100th Anniversary Event

- March 15, 2025, in Murphysboro, IL
  - Registration Link:
    - <https://www.weather.gov/pah/Tri-StateTornadoEvent>

## DSS Events/Weather Support

- Please send in your requests for weather support through either our online form or by contacting Christine.





**Next Weekly Partner  
Call: Monday,  
December 23rd.**

**Have a great week!!!**



**<https://www.weather.gov/media/pah/WeeklyPartnerBriefing.pdf>**

