

Non-Precipitation Hazards

NWS Springfield issues Non-Precipitation weather outlooks, watches, warning and advisories for hazardous non-precipitation events. Non-Precipitation hazard products are issued for potential or imminent weather hazards such as extreme heat or cold, dangerous wind chills, dense fog, etc., across the Ozarks so that preparations can be made for hazardous or life threatening weather conditions. To simplify the reception of non-precipitation weather products, all watches, warnings and advisories are issued as NP W.

Non-Precipitation Hazard Products		
Product	Description	Awareness & Action Level
Hazardous Weather Outlook	Issued at least twice daily at 6 AM & 1 PM to detail potential weather hazards.	Stayed tuned to later statements and be alert for the development of hazardous weather.
Watches	Issued for the potential development of non-precipitation hazards within 12 to 48 hours.	Prepare and take necessary precautions in the event a warning is issued.
Warning	Issued for high winds, excessive heat, excessive wind chills and freezes expected within 12 to 24 hours.	Take immediate action to save lives and property.

Each of these non-precipitation hazard products will consist of an overview section and a zone segmented section. The overview provides a general synopsis of important weather features and expected hazardous winter weather conditions. The segmented portion gives specific details regarding watches, warnings or advisories for effected locations. A brief explanation of what you can expect, timing and location of the event are included. In addition statements informing you of appropriate precautions or actions are given.

The valid time for the watch, warning or advisory is defined in the product headline. The product will generally expire 6 to 8 hours after issuance followed subsequent updates.

Non-Precipitation Hazards

Fog

Product	Criteria
Dense Fog Advisory	Visibility reduced to 1/4 of a mile or less over a widespread area.
Freezing Fog Advisory	Very light ice accumulation from freezing fog

Product	Product Header	WMO Header	Issuance Times
Dense/Freezing Fog Advisory	STLNPWSGF	WWUS73	as needed

ZCZC STLNPWSGF
 WWUS73 KSGF 010610

URGENT - WEATHER MESSAGE
 NATIONAL WEATHER SERVICE SPRINGFIELD MO
 105 AM CDT WED MAY 1 2002

KSZ097-101-MOZ077-079>082-088>098-101>106-011400-
 BARRY-BARTON-CHEROKEE-CHRISTIAN-CRAWFORD-DADE-DALLAS-DOUGLAS-GREENE-
 HOWELL-JASPER-LACLEDE-LAWRENCE-MCDONALD-NEWTON-OREGON-OZARK-POLK-
 SHANNON-STONE-TANEY-TEXAS-WEBSTER-WRIGHT-
 INCLUDING THE CITIES OF...AVA...BOLIVAR...BRANSON...HOUSTON...
 JOPLIN...LEBANON...MNETT...MOUNT VERNON...NEOSHO...OZARK...
 PITTSBURG...SPRINGFIELD AND WEST PLAINS.
 105 AM CDT WED MAY 1 2002

...DENSE FOG ADVISORY HAS BEEN ISSUED THROUGH 9 AM...

ABUNDANT MOISTURE CONTINUES TO SURGE NORTH AHEAD OF A WARM FRONT THAT STRETCHED FROM CENTRAL OKLAHOMA EAST INTO ARKANSAS THIS MORNING. THIS...IN COMBINATION WITH THE HEAVY RAIN AND HAIL THAT FELL ACROSS MUCH OF THE REGION DURING THE PAST 24 HOURS...WILL LEAD TO THE DEVELOPMENT OF DENSE FOG THIS MORNING. VISIBILITIES REDUCED TO AT OR BELOW ONE QUARTER MILE CAN BE EXPECTED GENERALLY FROM INTERSTATE 44 TO THE ARKANSAS BORDER.

MOTORISTS SHOULD DRIVE WITH EXTREME CAUTION AND ALLOW ADDITIONAL TRAVEL TIME. USE LOW BEAMS...REDUCE DRIVING SPEED...AND ALLOW FOR PLENTY OF ROOM BETWEEN YOU AND OTHER CARS. YOU CAN OVERTAKE ANOTHER VEHICLE QUICKLY IN POOR VISIBILITIES...SO SLOW DOWN AND DRIVE DEFENSIVELY.

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Non-Precipitation Hazards

Excessive Heat

Product	Criteria
Excessive Heat Watch	Heat index (HI) of 115° for greater for 3 hours or more, or a HI of 105° F or greater for 3 or more consecutive days with a minimum HI in the middle 70s for a 24 hour period expected within 12 to 48 hours.
Excessive Heat Warning	Heat index (HI) of 115° F or greater for 3 hours or a HI of 105° F or greater for 3 or more consecutive days with a minimum HI in the middle 70s for a 24 hour period is imminent or expected within 24 hours.
Heat Advisory	Heat index (HI) is at least 105° F for 3 hours or more and the minimum HI is in the middle 70s for a 24 hour period is imminent or expected within 24 hours

Product	Product Header	WMO Header	Issuance
Heat Advisory (.etc)	STLNPWSGF	WWUS73	as needed

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ZCZC STLNPWSGF
WWUS73 KSGF 291150

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE SPRINGFIELD MO
600 AM CDT THU JUL 29 2002

...A HEAT WAVE IS PUSHING THROUGH SOUTHERN MISSOURI...

.VERY HOT AND HUMID CONDITIONS WILL AFFECT SOUTHERN MISSOURI TODAY.
STAGNANT HIGH PRESSURE WILL ALLOW TEMPERATURES TO RISE INTO THE UPPER 90S
AGAIN THIS AFTERNOON ACROSS SOUTHERN MISSOURI.

EXCESSIVE HEAT CAN THREATEN YOUR LIFE. DRINK PLENTY OF FLUIDS AND AVOID
ALCOHOLIC BEVERAGES. IF YOU LIVE IN A MULTI-FLOOR BUILDING WHICH DOES NOT
HAVE AIR CONDITIONING OR WINDOWS THAT OPEN...YOU ARE ESPECIALLY AT RISK.
MOVE TO A VENTILATED AREA...BUT STAY OUT OF DIRECT SUNLIGHT.

MOZ055>056-066>069-077>078-088-152130-
BARTON-BENTON-CAMDEN-CEDAR-HICKORY-JAPSER-MORGAN-ST. CLAIR-VERNON-
INCLUDING THE TOWNS OF...JOPLIN...NEVADA...CAMDENTON...LAMAR

...HEAT ADVISORY TODAY...
HEAT INDICES THIS AFTERNOON WILL BE NEAR 110 ACROSS THE AREA AND ARE
EXPECTED TO REMAIN AROUND 80 OVERNIGHT.

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Non-Precipitation Hazards

Excessive Cold

Product	Criteria
WindChill Watch	Condition favorable for wind chills to meet or exceed -20° within 12 to 48 hours
Wind Chill Advisory	Wind chill indices of minus 5 to minus 19° F are imminent or expected within 24 hours.
Wind Chill Warning	Wind chill indices of minus 20° F or colder are imminent or expected within 24 hours.

Product	Product Header	WMO Header	Issuance
Wind Chill Advisory (.etc)	STLNPWSGF	WWUS73	as needed

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ZCZC STLNPWSGF
WWUS73 KSGF 301450

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE SPRINGFIELD MO
1130 AM CDT FRI MAY 15 1998

...GUSTY WINDS AND COLD TEMPERATURES WILL PRODUCE BITTERLY COLD WIND CHILLS
TONIGHT. ..
..AN ARCTIC AIRMASS WILL PLUNGE INTO THE SOUTHERN MISSOURI TONIGHT. THE
COMBINATION OF STRONG NORTHWEST WINDS AND FALLING TEMPERATURES WILL PRODUCE
VERY LOW WIND CHILLS AROUND MINUS 20.

AVOID GOING OUTDOORS. IF YOU ARE OUTSIDE...WEAR SEVERAL LAYERS OF CLOTHING
AND PROTECT EXPOSED SKIN.

MOZ055>056-066>069-077>078-088-152130-
BARTON-BENTON-CAMDEN-CEDAR-HICKORY-JAPSER-MORGAN-ST. CLAIR-VERNON-
INCLUDING THE TOWNS OF...JOPLIN...NEVADA...CAMDENTON...LAMAR

...WIND ADVISORY TONIGHT.
NORTHWEST WINDS OF 15 TO 30 MPH AND FALLING TEMPERATURES INTO THE SINGLE
DIGITS WILL PRODUCE WIND CHILLS OF AROUND MINUS 15.
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Non-Precipitation Hazards

High Winds

Product	Criteria
High Wind Watch	Possibility of sustained winds of 40 mph or greater for a duration of one hour or more; or wind gusts to 55 mph for any duration within 12 to 48 hours.
High Wind Warning	Sustained 40 to 50 mph winds for a duration of one hour or more, or wind gusts to 55 mph for any duration are imminent or expected within 24 hours.
Wind Advisory	Sustained 30 to 40 mph winds for a duration of an hour or more, or gusts of 45 mph or greater for any duration are imminent or expected within 24 hours.

Product	Product Header	WMO Header	Issuance Times
High Wind (Watch, Warning, Advisory)	STLNPWSGF	WWUS73	as needed

ZCZC STLNPWSGF
 WWUS73 KSGF 301450

URGENT - WEATHER MESSAGE
 NATIONAL WEATHER SERVICE SPRINGFIELD MO
 1130 AM CDT FRI MAY 15 1998

...VERY WINDY CONDITIONS ACROSS SOUTHEAST KANSAS AND THE OZARKS TODAY...
 .AN INTENSE LOW PRESSURE SYSTEM WILL MOVE FROM NORTHEAST KANSAS INTO IOWA
 TODAY. THIS SYSTEM WILL PRODUCE STRONG AND GUSTY WINDS TODAY INTO EARLY
 THIS EVENING.

MOTORIST DRIVING HIGH PROFILE VEHICLES ACROSS SOUTHERN MISSOURI OR SOUTHEAST
 KANSAS SHOULD BE PREPARED FOR STRONG SOUTHWEST WINDS.

MOZ055>056-066>069-077>078-088-152130-
 BARTON-BENTON-CAMDEN-CEDAR-HICKORY-JAPSER-MORGAN-ST. CLAIR-VERNON-
 INCLUDING THE TOWNS OF...JOPLIN...NEVADA...CAMDENTON...LAMAR

...WIND ADVISORY TODAY...
 SOUTHWEST WINDS OF 30 TO 40 MPH CAN BE EXPECTED WITH HIGHER GUSTS TO NEAR 50
 MPH AT TIMES.
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Non-Precipitation Hazards

Frost & Freeze

Product	Criteria
Freeze Watch	Conditions favorable for a freeze event within 12 to 48 hours.
Freeze Warning	Minimum temperatures to be 32° or less in early (Spring) and late (Fall) growing seasons.
Frost Advisory	Minimum temperature to be 33 to 37 degrees with widespread frost expected in early (Spring) and late (Fall) growing seasons.

Product	Product Header	WMO Header	Issuance
Freeze Warning, Frost Advisory	STLNPWSGF	WWUS73	as needed

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ZCZC STLNPWSGF
WWUS73 KSGF 301450

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE SPRINGFIELD MO
1130 AM CDT FRI MAY 15 1998

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TODAY. THIS SYSTEM WILL PRODUCE STRONG AND GUSTY WINDS TODAY INTO EARLY
THIS EVENING.

MOTORIST DRIVING HIGH PROFILE VEHICLES ACROSS SOUTHERN MISSOURI OR SOUTHEAST
KANSAS SHOULD BE PREPARED FOR STRONG SOUTHWEST WINDS.

MOZ055>056-066>069-077>078-088-152130-
BARTON-BENTON-CAMDEN-CEDAR-HICKORY-JAPSER-MORGAN-ST. CLAIR-VERNON-
INCLUDING THE TOWNS OF...JOPLIN...NEVADA...CAMDENTON...LAMAR

...WIND ADVISORY TODAY...
SOUTHWEST WINDS OF 30 TO 40 MPH CAN BE EXPECTED WITH HIGHER GUSTS TO NEAR 50
MPH AT TIMES.
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