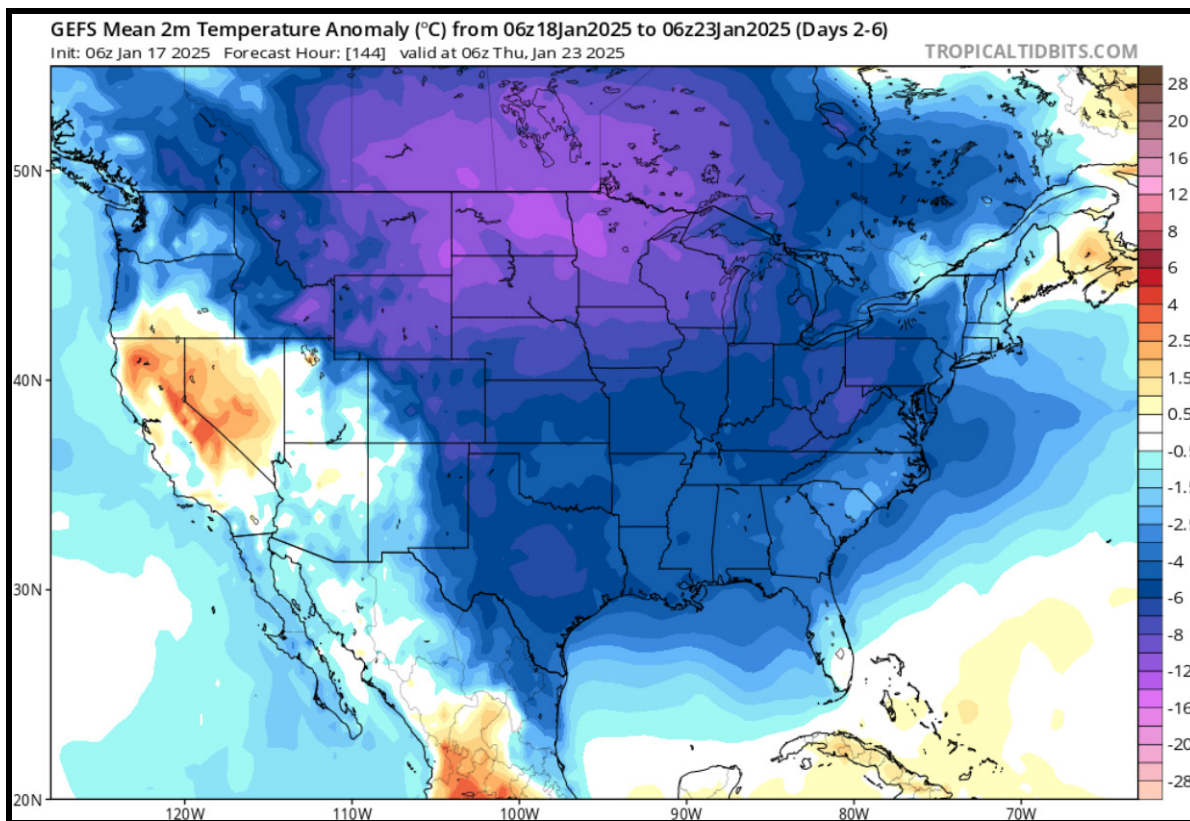


U.S. Bracing For Blast Of Arctic Air Through Early Next Week

By Andrew Owen

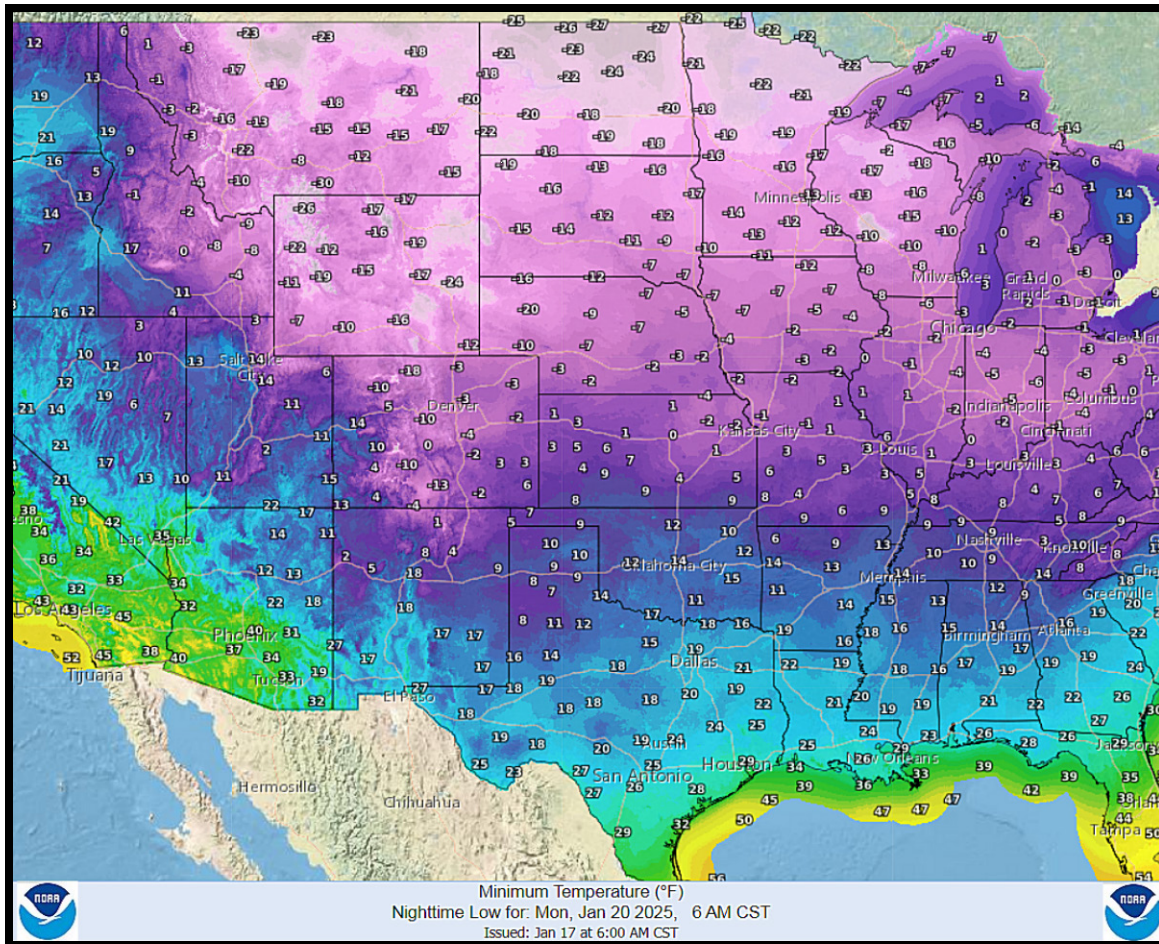
Kansas City, January 17 (World Weather Inc.) – *A pool of warmer air spread across portions of North America in recent days, though the warmer period will quickly come to an end this weekend as a blast of arctic air surges southward across much of North America east of the Rockies. Temperatures will plummet well below normal for this time of year, increasing energy demands and potentially stressing livestock.* Pockets in Nebraska, Iowa, and neighboring locations will also experience sub-zero degree Fahrenheit readings Monday morning while also having little to no snow on the ground. Winterkill will be a concern and may damage a minor amount of wheat and other crops produced this time of year. Freezes will reach as far south as northern Florida, southern Louisiana and southern Texas, though the coldest air should remain outside the main citrus areas of Florida. Arctic air will shift into eastern North America toward the middle of next week, keeping temperatures below normal across the region, but the last days in January will be warmer.

A small pool of arctic air advanced over portions of North America earlier this week. However, warmer air slowly spread across much of North America in recent days, offering some relief to the colder conditions. Daytime temperatures were warm enough to melt snow from the northern and central U.S. Plains into portions of the Ohio River Basin and neighboring locations Thursday and today. Temperatures will trend above freezing from the Plains into portions of the Midwest today and will help melt additional snow.



U.S. Bracing For Blast Of Arctic Air Through Early Next Week

A strong trough of low pressure trailing a cold front will plunge across North America later today and Saturday. This trough will linger through early next week before shifting to eastern North America toward the middle of next week. Arctic air associated with the trough will spread across much of North America east of the Rocky Mountains during this time. Several areas in the U.S. northern Plains, southern Canadian Prairies, and neighboring locations will see temperatures trend 10-25 degrees Fahrenheit or more below normal for this time of year January 18-23. Other locations outside southern Florida and portions of Maine will also see temperatures well below normal.



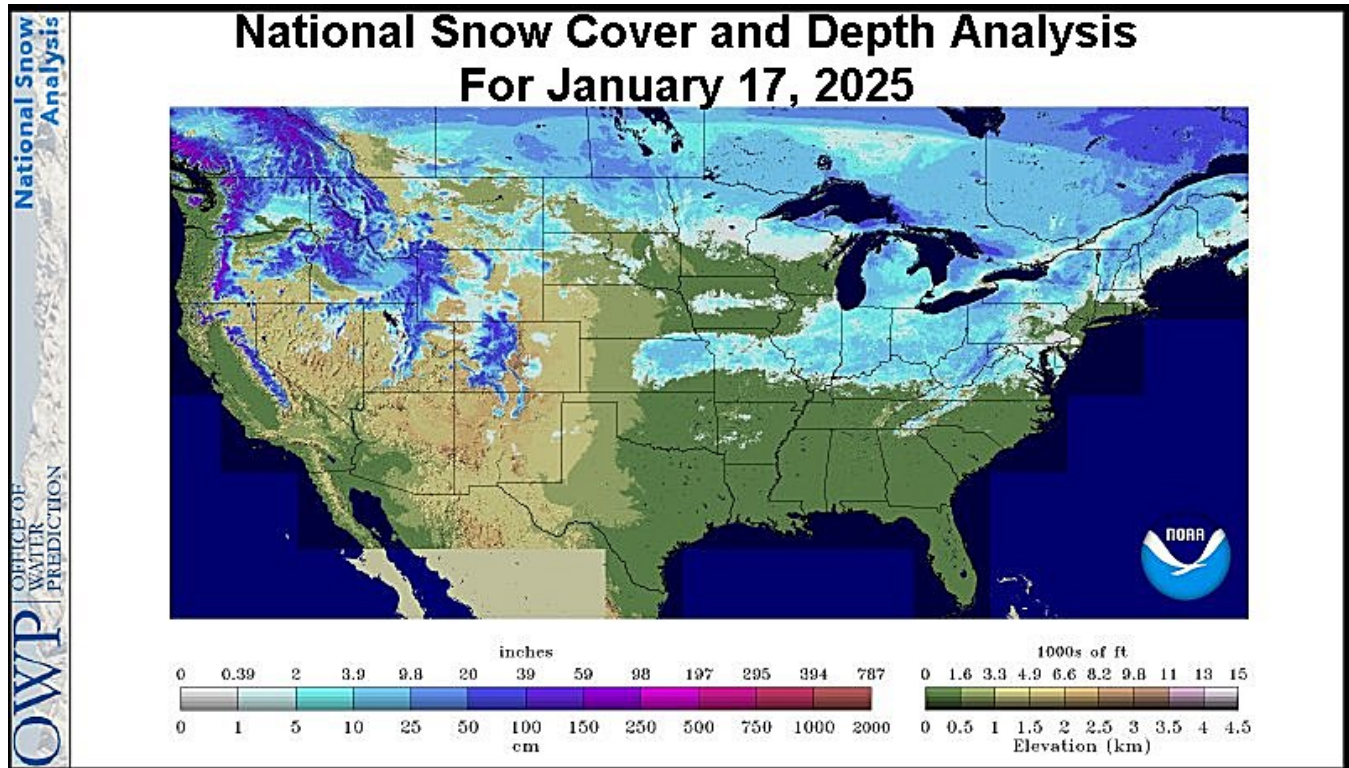
Sub-zero temperatures will be restricted to portions of Canada and the northern Plains Saturday. Colder conditions will shift further south later this weekend and early next week with sub-zero temperatures reaching as far south as Nebraska, Iowa, Illinois, Indiana, Michigan, western Ohio, and pockets in northern Kansas and Missouri Monday and Tuesday mornings. Dangerously low wind chills are expected for portions of Canada, the Plains, Upper Midwest, and neighboring locations during this time and could severely stress livestock. Energy demands will also increase significantly.

In addition to livestock stress and increased energy demand, there is a threat for winterkill in pockets of Nebraska, Iowa, and neighboring locations. These areas are currently snow-free and will receive little to no snow ahead of the blast of arctic air. Minor

U.S. Bracing For Blast Of Arctic Air Through Early Next Week

damage to winter wheat and other crops will be possible, though overall losses should be minimal due to sufficient plant hardening coming from recent weeks of cold weather.

Frost and freezes will likely reach as far south as northern Florida early next week as the arctic air advances toward eastern North America. The coldest air will remain out of the main citrus, sugarcane, and other crops areas in central and southern Florida, though pockets of frost or light freezes will be possible in northern fringes of crop country. Overall damage should be minimal.



Sugarcane areas in Louisiana are expecting temperatures in the middle and upper 20s Fahrenheit Monday and Tuesday. This will burn back new crop growth and may lead to lower yields in 2025. The temperatures will not be low enough to cause more serious production cuts, although the situation must continue to be monitored.

South Texas fruit and vegetable crops are expected to miss out on the damaging potentials with this cold airmass partially due to a weak western Gulf of Mexico disturbance expected to spread clouds, rain and snow into that part of the nation.

Although temperatures will moderate later next week once the arctic air shifts out of North America, a small reinforcing shot of cold air will be possible in portions of eastern North America. Waves of colder air are expected January 25-31 as well from northern Canada into eastern North America. Energy demands may trend a little higher than usual if the colder conditions verify. This weather pattern could also lead to some winter weather that could impact travel and infrastructure.

With that said, there is some potential for warming in eastern North America during the second week of the forecast partially due to the robust and quick moving Madden Julian Oscillation event moving from the Indian Ocean this coming week into the Maritime Provinces of Southeast Asia in the following week.

U.S. Bracing For Blast Of Arctic Air Through Early Next Week

World Weather, Inc. forecasts and comments pertaining to present, past and future weather conditions included in this report constitute the corporation's judgment as of the date of this report and are subject to change without notice. Comments regarding damage or the impact of weather on agricultural and energy as well as comments made regarding the impact of weather on the commodity and financial markets are the explicit opinions of World Weather, Inc. World Weather, Inc. can not be held responsible for decisions made by users of the Corporation's information in any business, trade or investment decision.

©2025 World Weather, Inc. Any unauthorized redistribution, duplication or disclosure is prohibited by law and will result in prosecution.