



National Weather Service Briefing

Water Resources Coordinating Council Meeting
September 17, 2020

Jeff Zogg, Senior Service Hydrologist



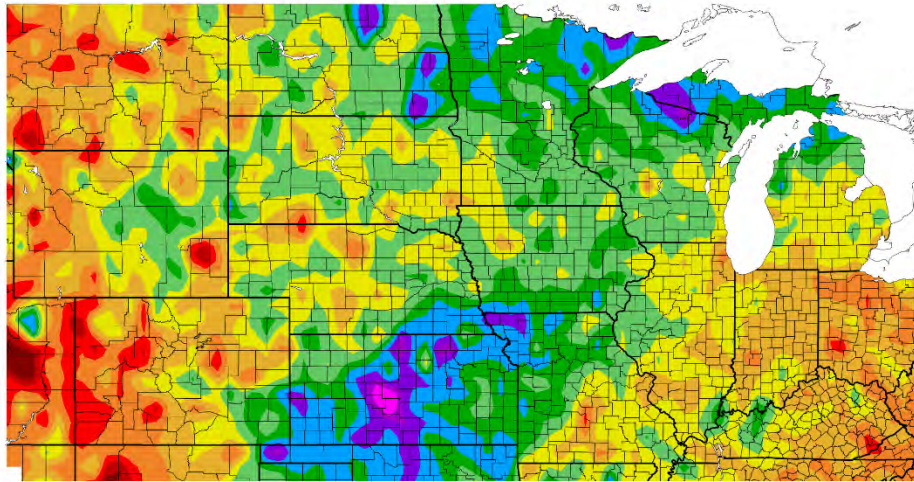


Observed Temp & Precip Departure

Departures from Normal

Last 30 Days

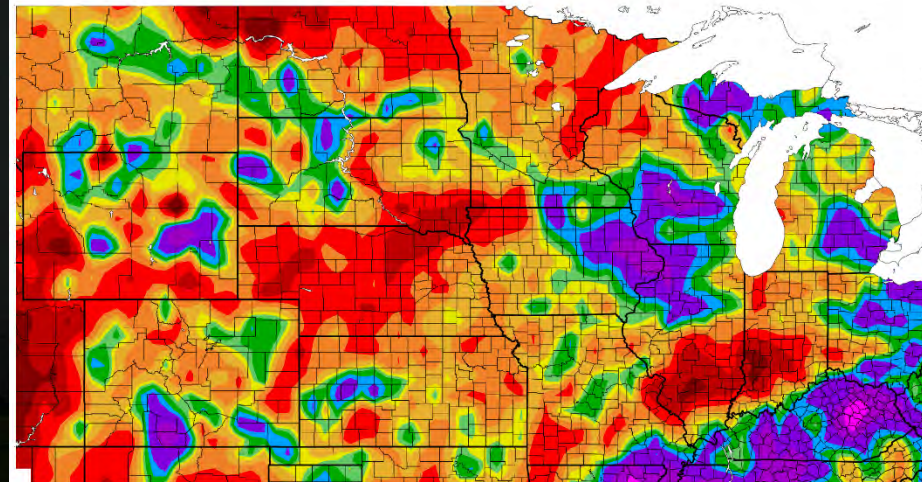
Departure from Normal Temperature (F)
8/17/2020 - 9/15/2020



URL: <https://hprcc.unl.edu/products/maps/acis/nwscr/7dTDeptNWSCR.png>

Last 30 Days

Percent of Normal Precipitation (%)
8/17/2020 - 9/15/2020



URL: <https://hprcc.unl.edu/products/maps/acis/nwscr/30dPNormNWSCR.png>

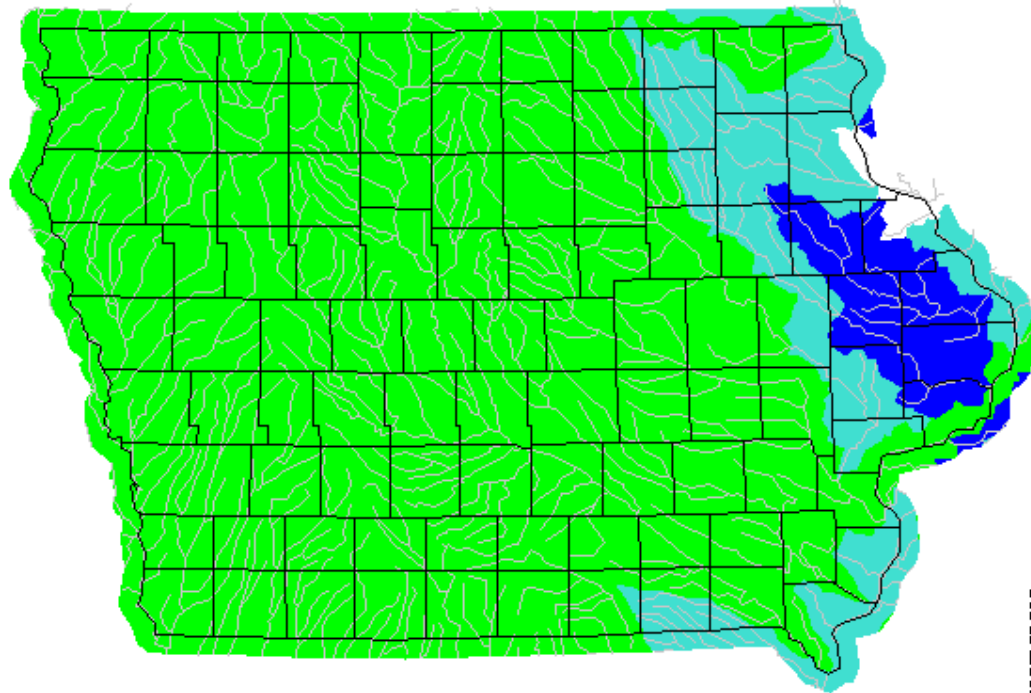




Current Streamflow

Values vs. Normal (Percentiles)

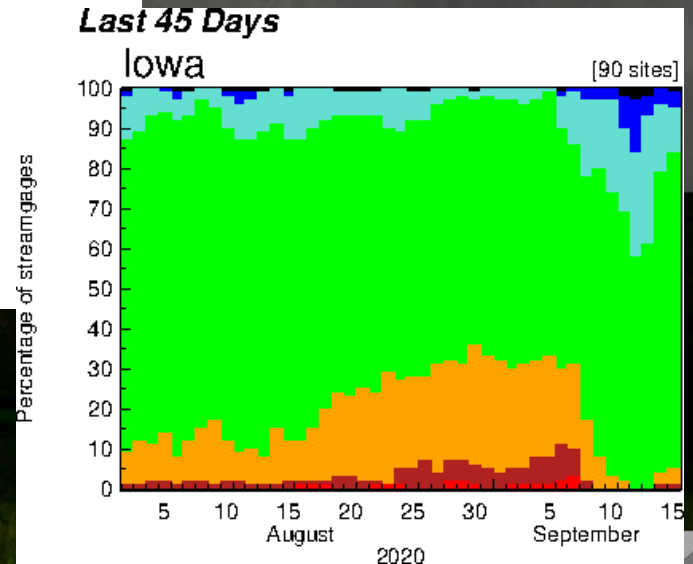
Wednesday, September 16, 2020



- Near normal across much of Iowa



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

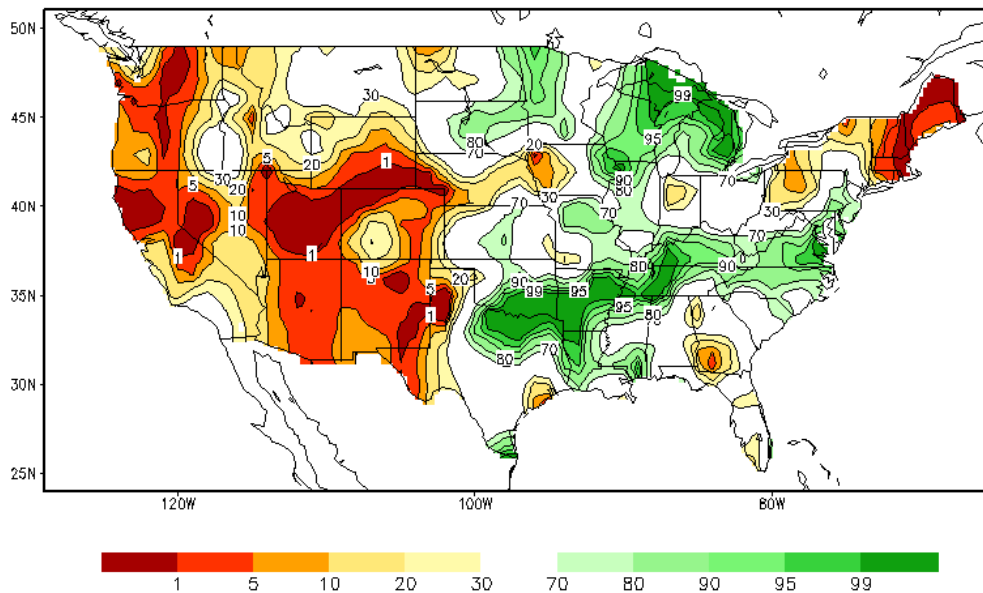




Current Soil Moisture

Wetness Percentile

Calculated Soil Moisture Ranking Percentile
SEP 16, 2020



- Above normal in the east, dry in the west

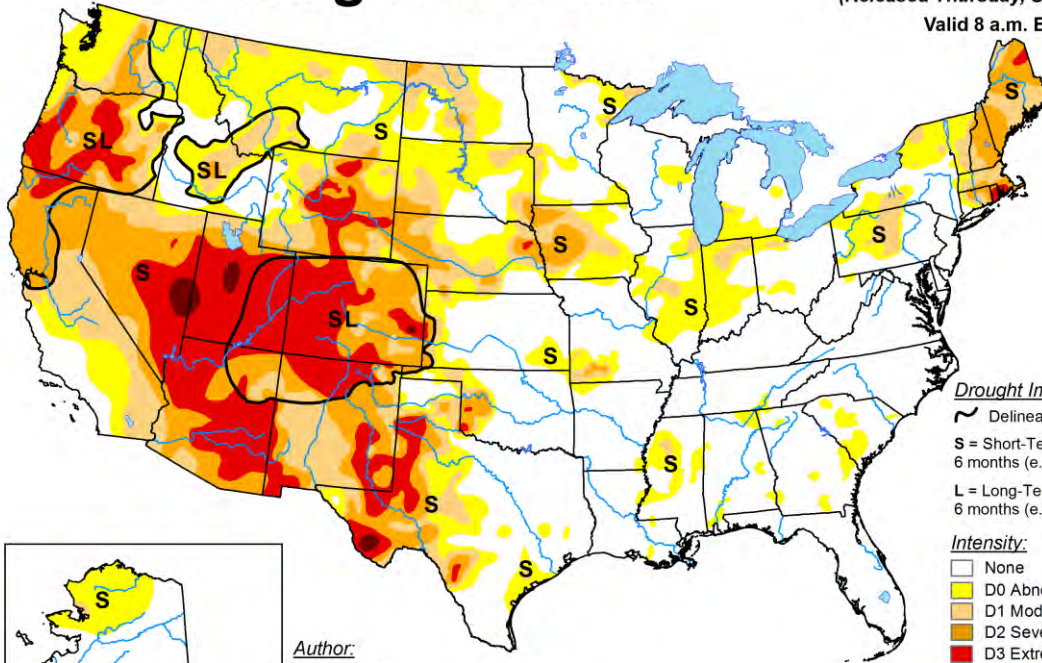
URL: https://www.cpc.ncep.noaa.gov/products/Soilmst_Monitoring/Figures/daily/curr.w.rank.daily.gif



Current Drought Monitor

U.S. Drought Monitor

September 15, 2020
(Released Thursday, Sep. 17, 2020)
Valid 8 a.m. EDT



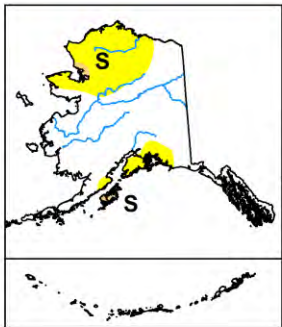
Drought Impact Types:

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

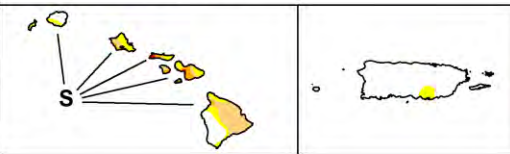
Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



Author:
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U.S. Department of Agriculture



droughtmonitor.unl.edu

- Drought conditions across much of Iowa

URL: <https://droughtmonitor.unl.edu/data/png/>





Days 8-14 Hazards Outlook



Legend

High Risk of Excessive Heat	High Risk of Heavy Precipitation	Flooding Possible
Moderate Risk of Excessive Heat	Moderate Risk of Heavy Precipitation	Frozen Precipitation
Slight Risk of Excessive Heat	Slight Risk of Heavy Precipitation	
High Risk of Much Above Normal Temperatures	High Risk of Heavy Snow	
Moderate Risk of Much Above Normal Temperatures	Moderate Risk of Heavy Snow	
Slight Risk of Much Above Normal Temperatures	Slight Risk of Heavy Snow	
High Risk of Much Below Normal Temperatures	Moderate Risk of High Winds	
Moderate Risk of Much Below Normal Temperatures	Slight Risk of High Winds	
Slight Risk of Much Below Normal Temperatures		



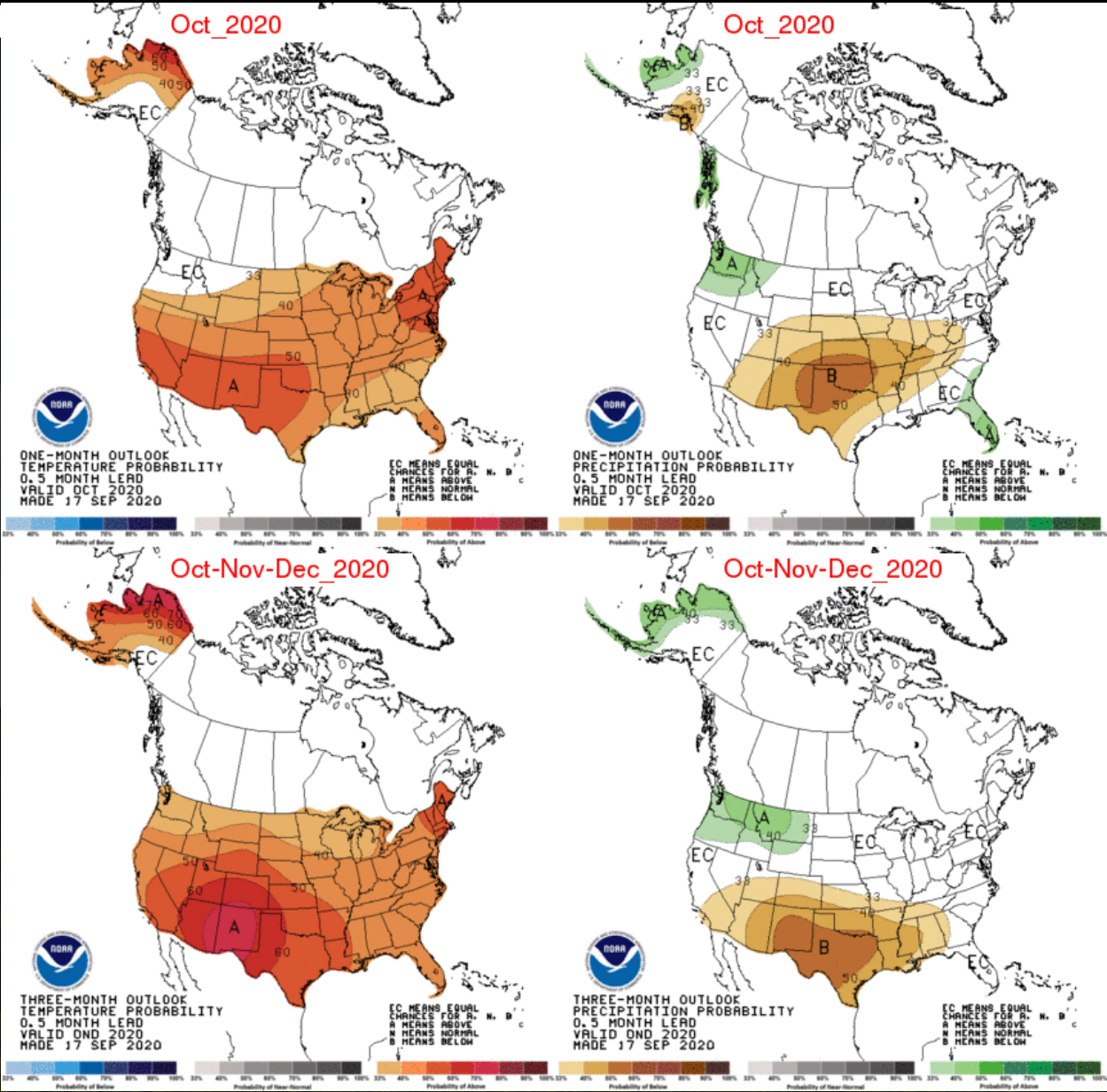


Temp/Precip Outlooks



Temperature
on Left

Precipitation
on Right

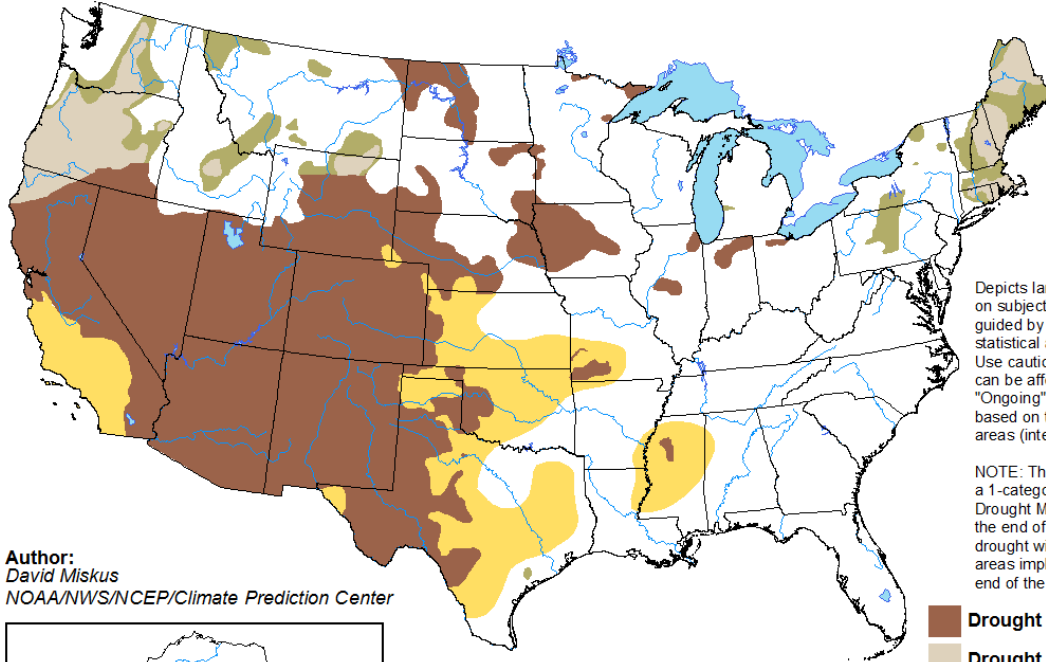




Seasonal Drought Outlook

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for September 17 - December 31, 2020
Released September 17



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

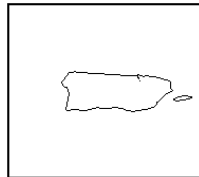
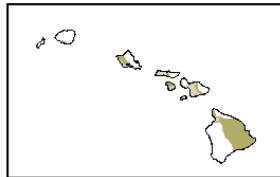
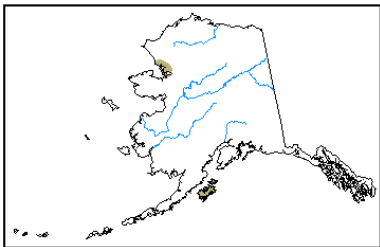
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely



<http://go.usa.gov/3eZ73>

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NOAA/NWS/NCEP/Climate Prediction Center



- No drought improvement expected



For the Most Recent Forecast

- For the most recent information for your area please visit <http://weather.gov/desmoines> and enter your location.

The screenshot shows the National Weather Service website header with the NOAA logo and the text "NATIONAL WEATHER SERVICE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION". A navigation menu includes links for HOME, FORECAST, PAST WEATHER, SAFETY, INFORMATION, EDUCATION, NEWS, SEARCH, and ABOUT. Below the menu, there is a section for "Local forecast by 'City, St' or ZIP code" with an input field labeled "Enter location ..." and a "Go" button. A yellow arrow points from the input field to a table below. To the right of the input field is a "News Headlines" section with three links: "Stay Safe this Winter!", "Get the NWS on Your Mobile Phone!", and "Become a Weather-Ready Nation Ambassador". At the bottom left, there is a "MY FORECAST" section showing "2 Miles NNE Des Moines IA". At the bottom right, there is a "NWS Forecast Office Des Moines, IA" section with the URL "Weather.gov > Des Moines, IA" and the text "Des Moines, IA Weather Forecast Office".

Type	Example
City	Modesto, CA
ZIP code *	83204
County *	Valley County, MT



For the Most Recent Forecast

- For the most recent information for your area please visit <http://weather.gov/desmoines> and enter your location.

Bookmark this page and/or resultant URL for further updates. This will always be the latest information.

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HOME FORECAST PAST WEATHER SAFETY INFORMATION EDUCATION NEWS SEARCH ABOUT

Go

News Headlines

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Hazardous Weather Conditions

- Wind Advisory until December 29, 06:00 PM CST
- Hazardous Weather Outlook

View location information
Your local forecast office is **Des Moines, IA**

Current conditions at Ames, Ames Municipal Airport (KAMW)
LAT: 41.99°N Lon: 93.62°W Elev: 945ft

Fair and Breezy
34°F
1°C

Humidity 64%
Wind speed NW 23 G 36 mph
Barometer 30.11 in (1020.3 mb)
Dewpoint 22°F (-6°C)
Visibility 10.00 mi
Wind Chill 22°F (-6°C)
Last update: 29 Dec 9:53 am CST

Extended Forecast for Ames, IA

Click here for legend, details and duration

Time	Forecast	High	Low
Now until 5:00pm Thu	Wind Advisory	34°F	21°F
Today	Mostly Sunny and Windy	34°F	21°F
Tonight	Mostly Clear and Windy	34°F	21°F
Friday	Mostly Sunny	38°F	26°F
Friday Night	Mostly Cloudy	34°F	26°F
Saturday	Mostly Sunny	31°F	18°F
Saturday Night	Mostly Clear	31°F	18°F
New Year's Day	Mostly Sunny	38°F	27°F
Sunday Night	Mostly Cloudy then Chance Snow	30°F	27°F

Detailed Forecast

Today: Mostly sunny with a high near 36. Windy with a west northwest wind 23 to 26 mph, with gusts as high as 39 mph.

Tonight: Mostly clear, with a low around 21. Windy with a west northwest wind 18 to 23 mph decreasing to 9 to 14 mph after midnight. Winds could gust as high as 32 mph.

Friday: Mostly sunny, with a high near 38. West wind 8 to 13 mph becoming south in the afternoon. Winds could gust as high as 24 mph.

Friday Night: Mostly cloudy, with a low around 26. South wind around 10 mph becoming west northwest after midnight.

Saturday: Mostly sunny, with a high near 31. Northwest wind 8 to 15 mph, with gusts as high as 25 mph.

Saturday Night: Mostly clear, with a low around 18.

New Year's Day: Mostly sunny, with a high near 35.

Sunday Night: A 30 percent chance of snow after 1am. Mostly cloudy, with a low around 27.

Topographic Click Map For Forecast



Additional NWS Information

Social Media



www.weather.gov/desmoines



<https://www.facebook.com/NWSDesMoines>



[@NWSDesMoines](https://twitter.com/NWSDesMoines)



<http://www.youtube.com/user/NWSDesMoines>



[NWS Des Moines](#)

