



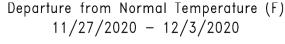
Aaron B. Wilson

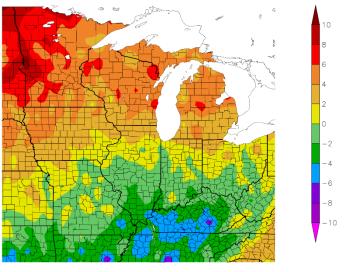
STATE CLIMATE OFFICE OF OHIO (SCOO)

DEPARTMENT OF EXTENSION - CFAES
BYRD POLAR & CLIMATE RESEARCH CENTER

DEPARTMENT OF GEOGRAPHY

Temperature Differences Compared to Average (1981-2010)





NOAA Regional Climate Centers

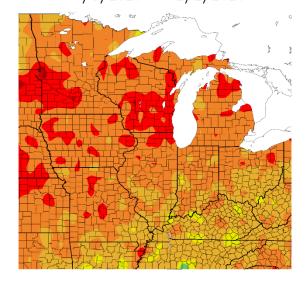
7-Day

Generated 12/4/2020 at HPRCC using provisional data.

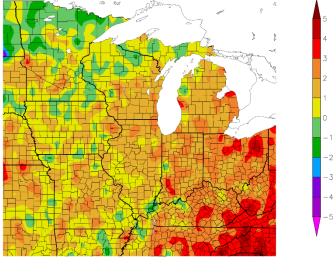


30-Day

Departure from Normal Temperature (F) 11/3/2020 - 12/2/2020



Departure from Normal Temperature (F) 10/5/2020 - 12/3/2020



NOAA Regional Climate Centers

nerated 12/4/2020 at HPRCC using provisional data.

60-Day

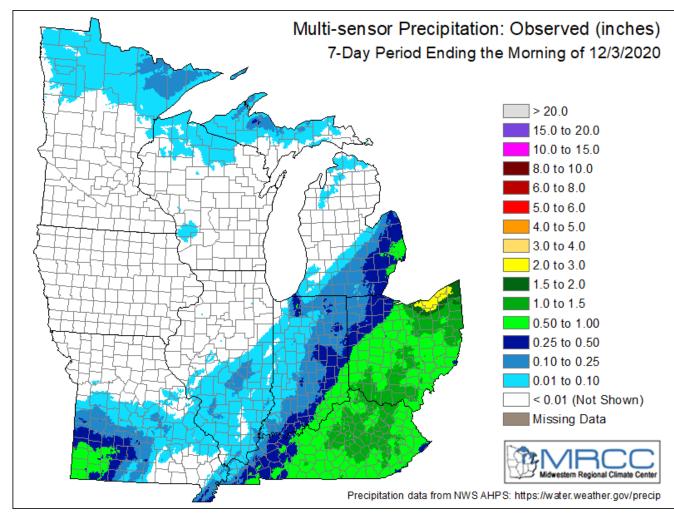
Generated 12/3/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

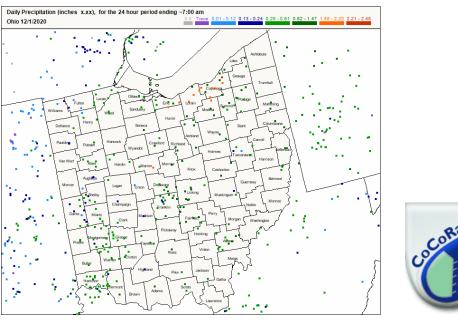
https://www.drought.gov/drought/dews/midwest/current-conditions



This Week's Precipitation









https://www.cocorahs.org/

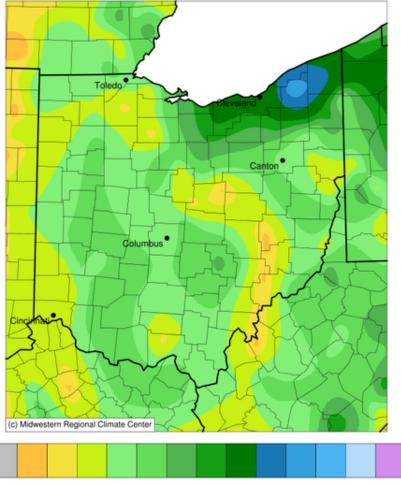
December 1-2, 2020 Winter Storm

COUNTY	LOCATION	SNOW TOTALS (inches)		
Ashtabula	3 ENE Trumbull	22.0		
Cuyahoga	1 ENE Lyndhurst	22.0		
Geauga	2 ESE South Thompson	25.5		
Lake	1 NW Concord	25.4		
Lorain	2 NW North Ridgeville	15.2		
Medina	1 ENE Brunswick	13.6		
Portage	1 NNE Matua	13.8		
Summit	1 SE Sagamore Hills	15.2		
Trumbull	2 NNW Southington	11.5		

Seasonal Snowfall

Accumulated Snowfall (in)

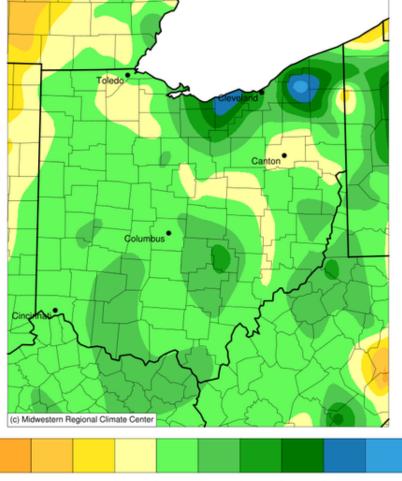
October 01, 2020 to December 04, 2020



5 7.5 10 15 20 25 30 40 Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI,
Midwestern Regional Climate Center
cli-MATE: MRCC Application Tools Environment
Generated at: 12/4/2020 10:05:50 AM CST

Accumulated Snowfall (in): Departure from 1981-2010 Normals

October 01, 2020 to December 04, 2020



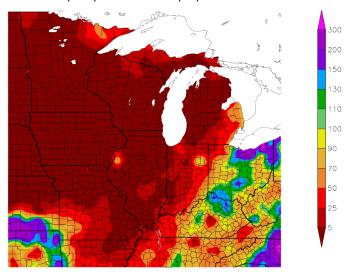
-6 -4 -2 0 2 4 6 8 10 Stations from the following networks used: WBAN, COOP, FAA, GHCN, ThreadEx, CoCoRaHS, WMO, ICAO, NWSLI,

Midwestern Regional Climate Center cli-MATE: MRCC Application Tools Environment Generated at: 12/4/2020 10:08:33 AM CST



Precipitation Differences Compared to Average (1981-2010)

Percent of Normal Precipitation (%) 11/27/2020 - 12/3/2020



Generated 12/4/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

7-Day



Generated 12/3/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

https://www.drought.gov/drought/dews/midwest/current-conditions

30-Day
Percent of Normal Precipitation (%)
11/3/2020 - 12/2/2020

300
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Percent of Normal Precipitation (%)

10/5/2020 - 12/3/2020

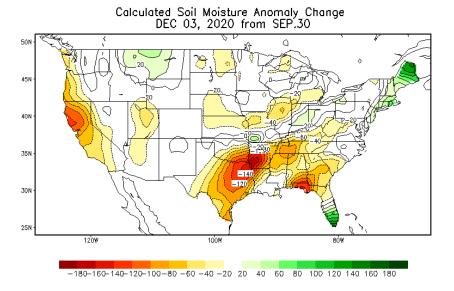


U.S. Drought Portal

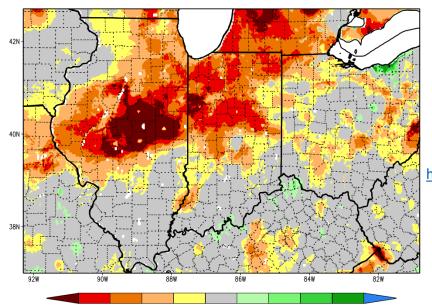
Calculated Soil Moisture Ranking Percentile DEC 03, 2020 50N 45N 40N 30N 25N 120W 100W 80W

Imst Monitoring/US/Soilmst/Soilmst.shtml#

Soil Moisture



https://www.cpc.ncep.noaa.gov/products/Soi



SPoRT-LIS 0-40 cm Soil Moisture percentile valid 04 Dec 2020

https://weather.msfc.nasa.gov/sport/case_studies/lis_IN.html





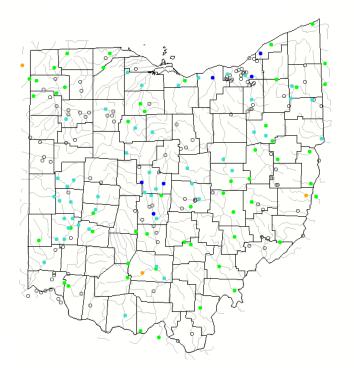
7-DAY

Explanation - Percentile classes									
						•			
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked		
	Much below normal	Below normal	Normal	Above normal	Much above normal		recriatived		

Average streamflow compared to historical streamflow for the day of the year

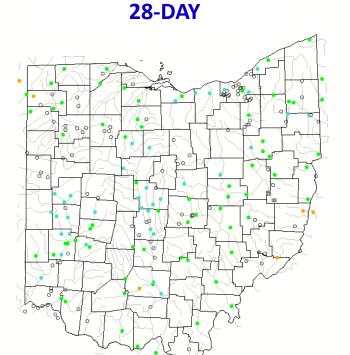
USGS Stream Flow





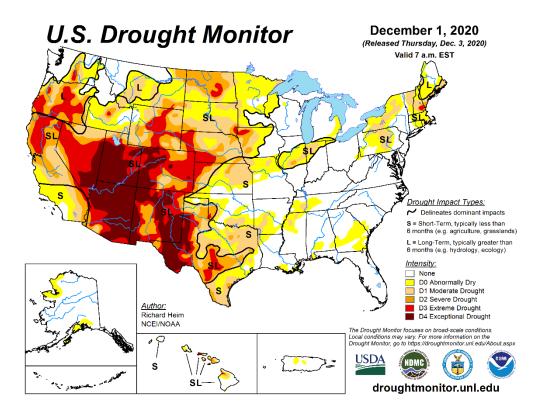


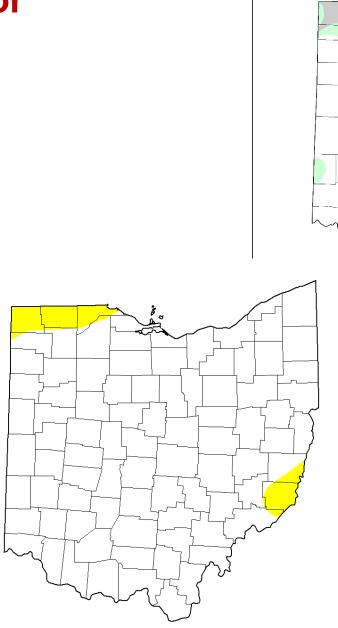
https://waterwatch.usgs.gov/index.php





Current U.S. Drought Monitor





U.S. Drought Monitor Class Change - Ohio 1 Month

4 Class Degradation
3 Class Degradation
2 Class Degradation
1 Class Degradation
No Change
1 Class Improvement
2 Class Improvement
3 Class Improvement

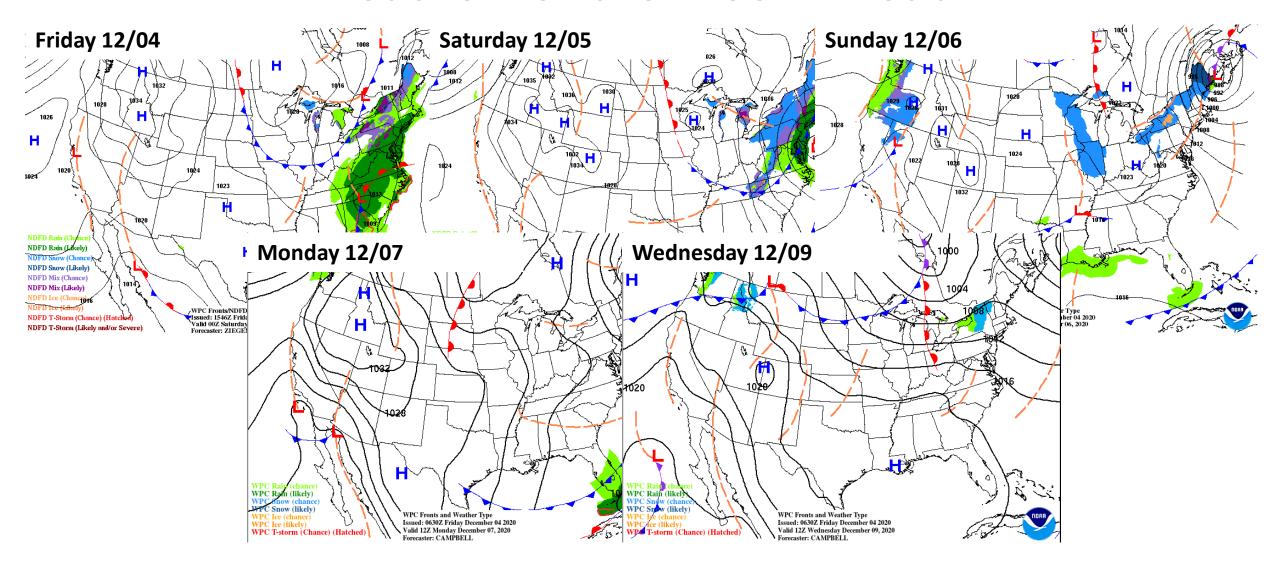
4 Class Improvement

5 Class Improvement

droughtmonitor.unl.edu

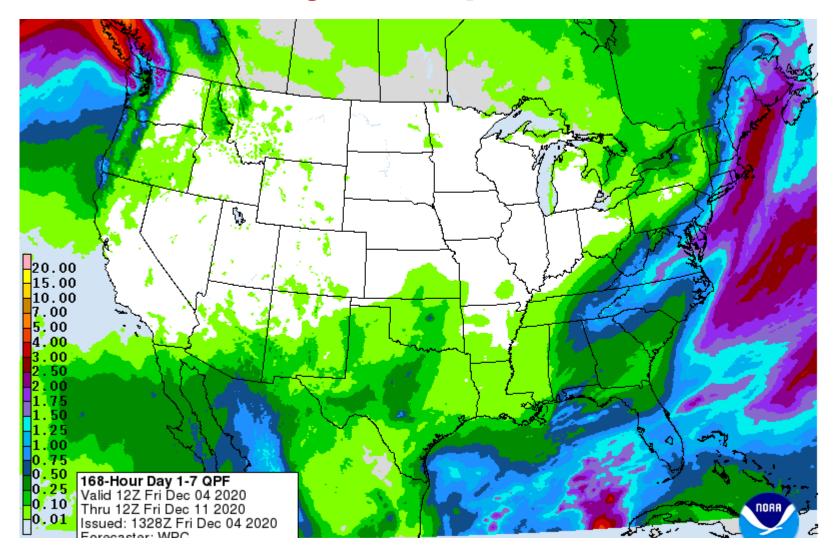


Weather for the Week Ahead

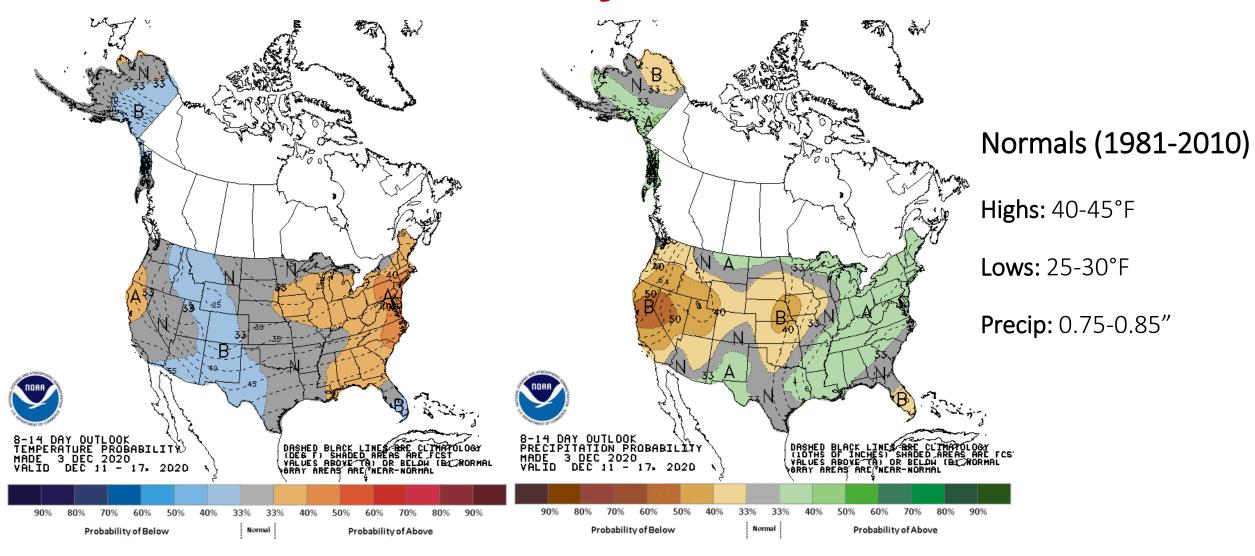




7-Day Precipitation

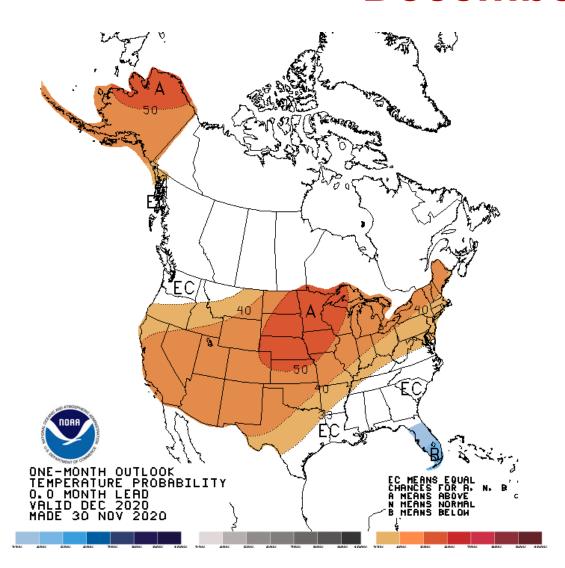


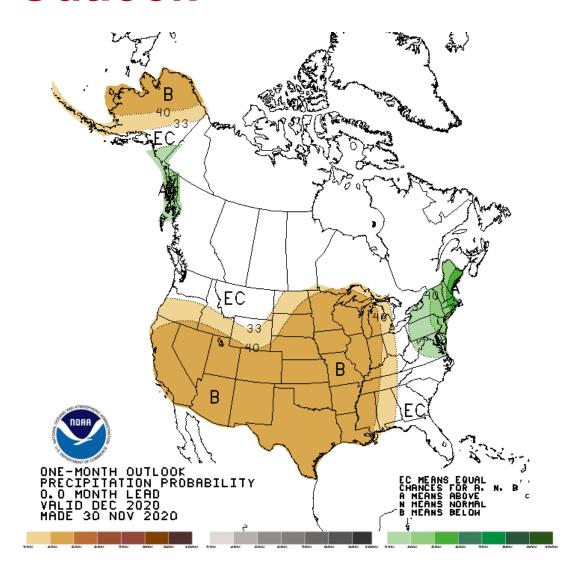
8-14 Day Outlook



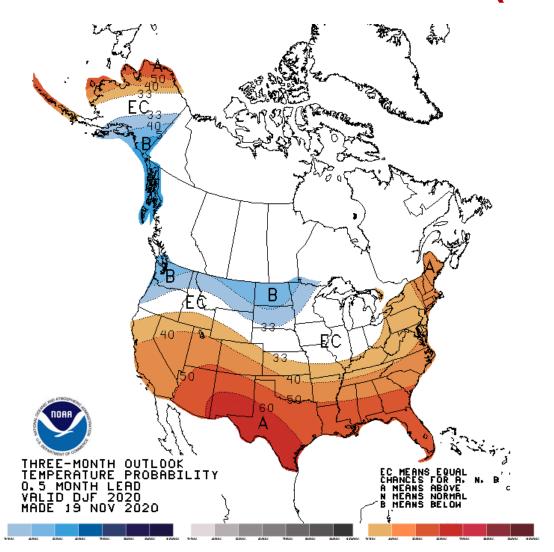


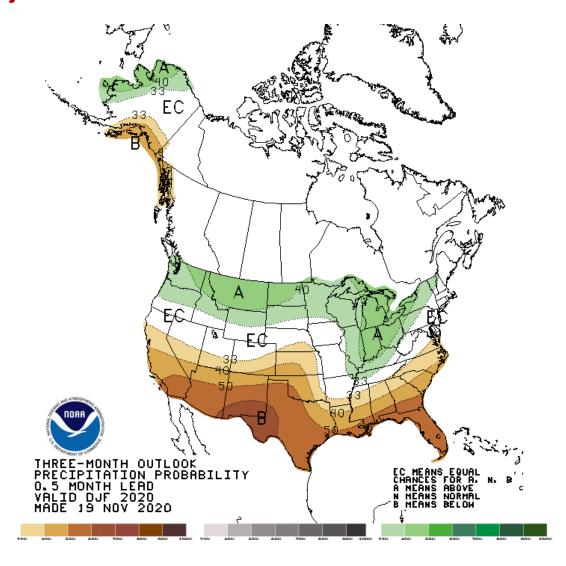
December Outlook



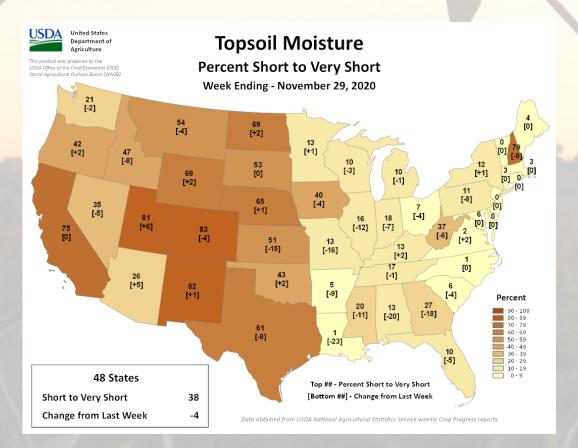


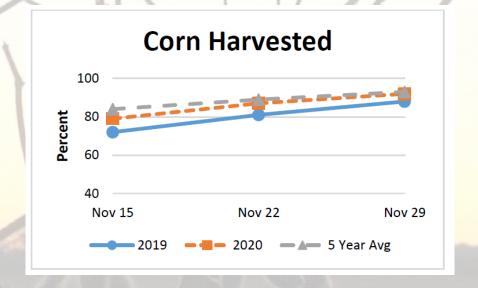
Winter (DJF) Outlook





Final 2020 Ag Highlights





- 3.3 suitable days for fieldwork ending Nov. 29
- Soybean harvest complete; corn was at 92% (1% behind 5-year average)
- 69% of wheat rated good to excellent (down from 72% last week)

NASS: Cheryl Turner –

https://www.nass.usda.gov/Statistics by State/Ohio/Publications/Crop Progress & Condition/2020/cw3220oh.pdf

Photo Credit: Ben Brown



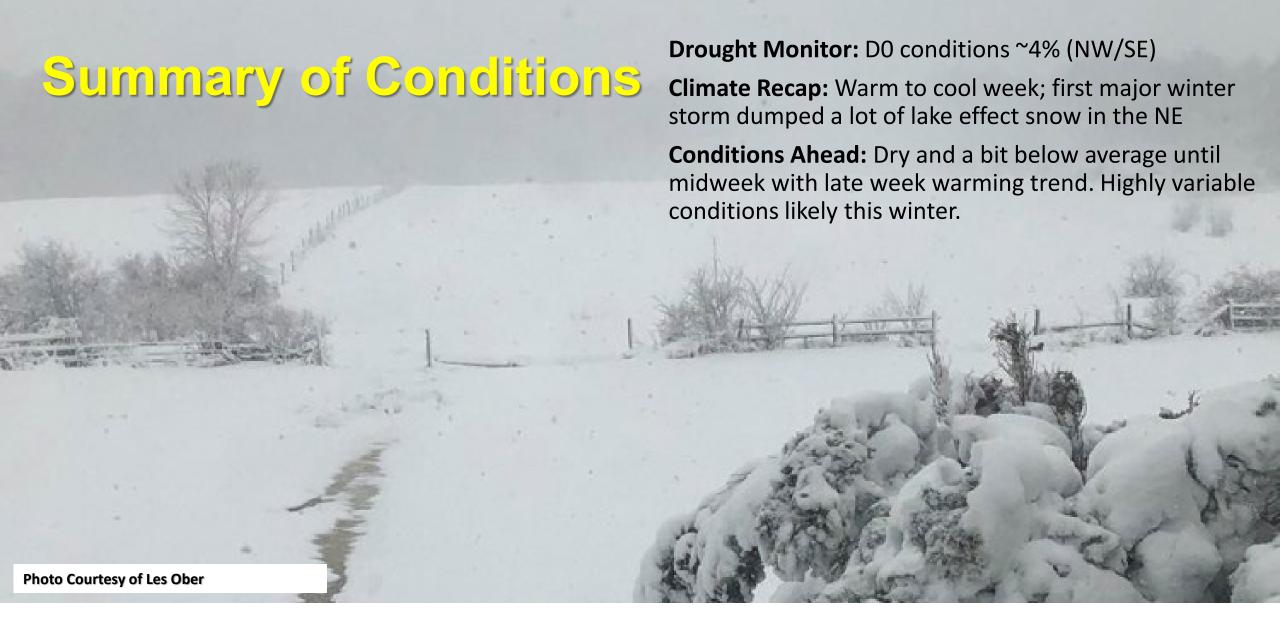
Aaron B. Wilson

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DEPARTMENT OF GEOGRAPHY





Partners and Additional Information

- SCOO's Website: https://climate.osu.edu
- North Central Climate Collaborative: https://northcentralclimate.org/
- NOAA's National Climatic Data Center: www.ncdc.noaa.gov
 - Monthly climate reports (U.S. & Global): www.ncdc.noaa.gov/sotc/
- NOAA's Climate Prediction Center: www.cpc.ncep.noaa.gov
- USDA Midwest Climate Hub: https://www.climatehubs.oce.usda.gov/hubs/midwest
- Climate Portal: www.climate.gov
- U.S. Drought Portal: www.drought.gov
- National Drought Mitigation Center: https://drought.unl.edu/
- Midwest Regional Climate Center: https://mrcc.isws.illinois.edu
- Community Collaborative Rain Snow Hail Network (CoCoRaHS): https://cocorahs.org
- Song: "Blue Creek Trail" by Dan Lebowitz

