NWS Wilmington, Ohio
April 2020
Regional Climate Summary

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The weather pattern in the month of April certainly started on an active note, with multiple rounds of severe weather during the first third of the month before an extended cooler pattern made it feel more like late February than mid April. This 2-3 week stretch of frosty mornings helped keep the severe weather at bay through much of the final two-thirds of the month, with many days of daily average temperatures that were ten or more degrees below normal. Precipitation, on average, was near to slightly above normal throughout the region.

Temperatures

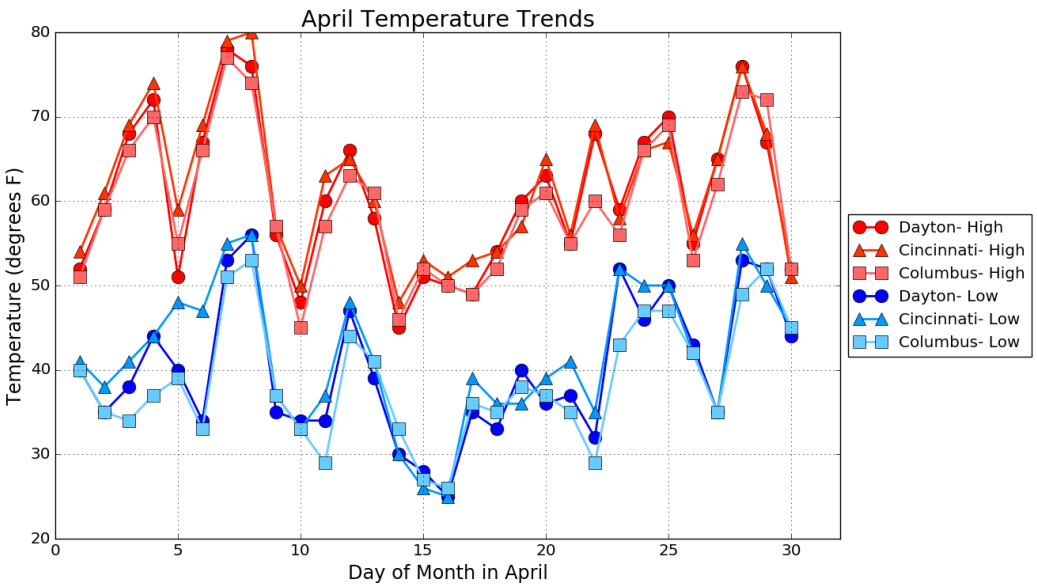
A relatively seasonable pattern evolved for the first several days of the month, with highs in the 50s and 60s and lows generally in the 30s and 40s. However, by the 7th, a warmup developed throughout the region, setting the stage for several rounds of severe thunderstorms from the 8th through the early morning hours on the 9th. Highs during this stretch reached into the 70s and 80s before a significant and prolonged cool stretch unfolded through the middle of the month.

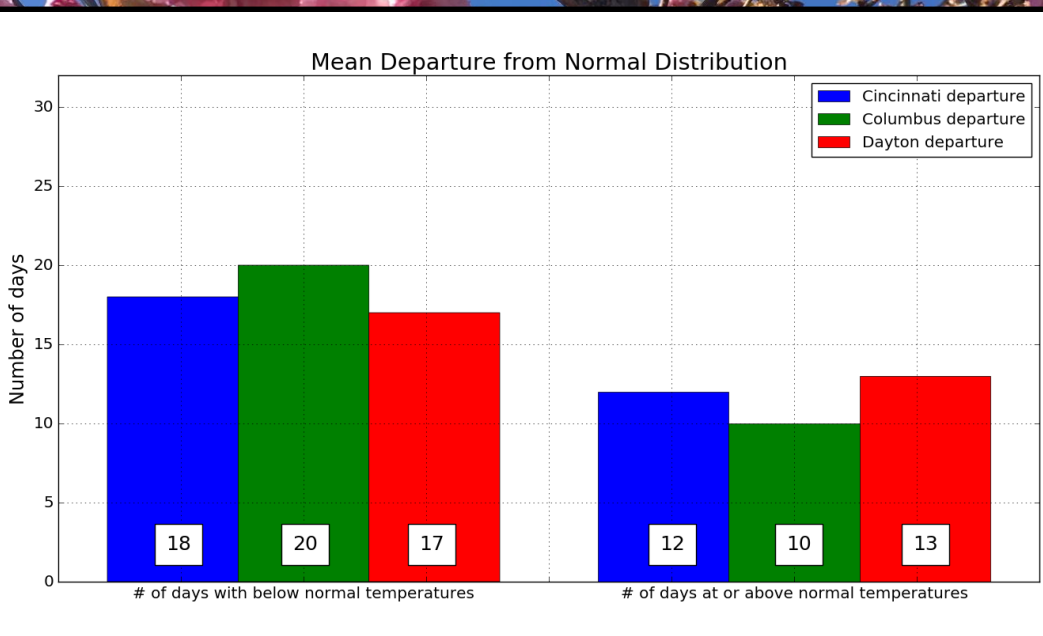
Although the area received a taste of spring from the 7th through the 8th, much of the following 2 to 2 1/2 weeks featured numerous days with below normal temperatures. These were days with highs in the 50s and 60s and lows in the 20s and 30s. Several late season freezes occurred during this stretch, as well as numerous days of frost. This period featured many days where average daily temperatures were 10 to 15 degrees (or more) below normal. This "cooler-than-normal" pattern lasted pretty much until the 27th and 28th when warmer temperatures built back into the Ohio Valley. However, this return to warmer air was relatively short-lived as cooler air briefly returned for the final 2 days of the month.

A daily record high was observed at Cincinnati CVG on the 8th, when the high reached 80 degrees, tying the daily records set at the site in 1890, 1922, and 2001. This was the only daily temperature record set or tied at any of the Big 3 climate sites locally during the month. And because of the chilly weather pattern that evolved for the better part of 2 to 2 1/2 weeks during the middle of the month, most of the local area finished the month with temperatures that were slightly cooler than normal, on average.

Site	Avg Temp (°F)	Avg High Temp (°F)	Avg Low Temp (°F)	Departure From Normal (°F)	Maximum Temperature (°F)	Minimum Temperature (°F)
Cincinnati (CVG)	51.8°F	61.8°F	41.7°F	-2.5°F	80°F (04/08)	25°F (04/16)
Columbus (CMH)	49.2°F	59.6°F	38.7°F	-3.9°F	77°F (04/07)	26°F (04/16)
Dayton (DAY)	50.3°F	60.6°F	40.0°F	-1.3°F	78°F (04/07)	25°F (04/16)

Temperatures (Continued)





Precipitation

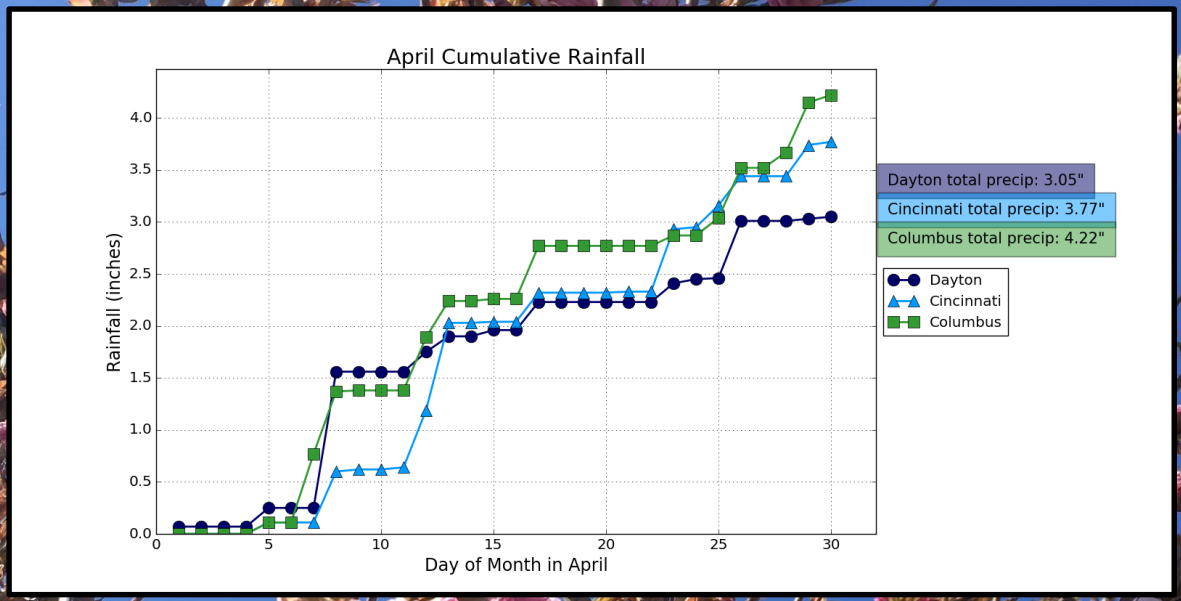
Although not quite as wet as the month of March, the local area still received some seasonable rain (and even some snow) throughout the month of April. The rainfall footprint, as often is the case, however, was rather uneven. Some spots in the local area received nearly 6" of rain during the month while others were closer to the typical 3-4." In particular, the storms during the morning hours on the 8th produced some heavy rain and flooding near the I-70 corridor while another system on the 26th again produced 1-2+" near I-70." With all of this being said, however, the region largely avoided a significant/widespread heavy rain event (which was not the case in March).

In fact, the region experienced 4-5 separate events in which total rainfall generally ranged from 0.25" - 0.75," including on the 7th, 8th, 12th into the 13th, 17th, 26th, and 29th. There were some spots that received more than an inch in pretty much all of these, but the locations varied from event to event.

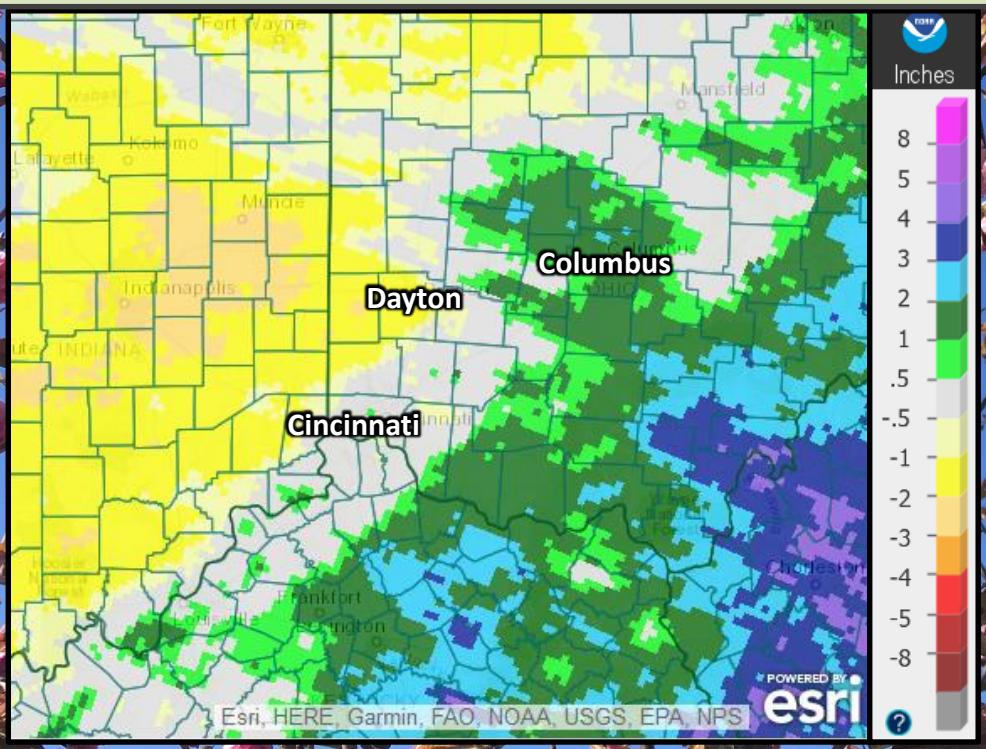
Both Columbus and Dayton officially received snow during the month although these were only trace amounts. Hail also occurred as well. Only one daily record rainfall occurred during the month. A record 1.31" of rain was observed at Dayton DAY on the 8th, breaking the old site record of 1.22" set in 2015.

Site	Total Precipitation (in.)	Departure From Normal (in.)	Max Daily Precipitation (in./date)		Total Snowfall (in.)	Max Daily Snowfall (in./date)	
Cincinnati (CVG)	3.77 in.	-0.12 in.	0.84 in.	13th	--	--	--
Columbus (CMH)	4.22 in	0.82 in.	0.66 in.	7th	T	T	Mult. Days
Dayton (DAY)	3.05 in.	-1.04 in.	1.31 in.	8th	T	T	Mult. Days

Precipitation (Continued)



April Precipitation Departure From Normal (In.)

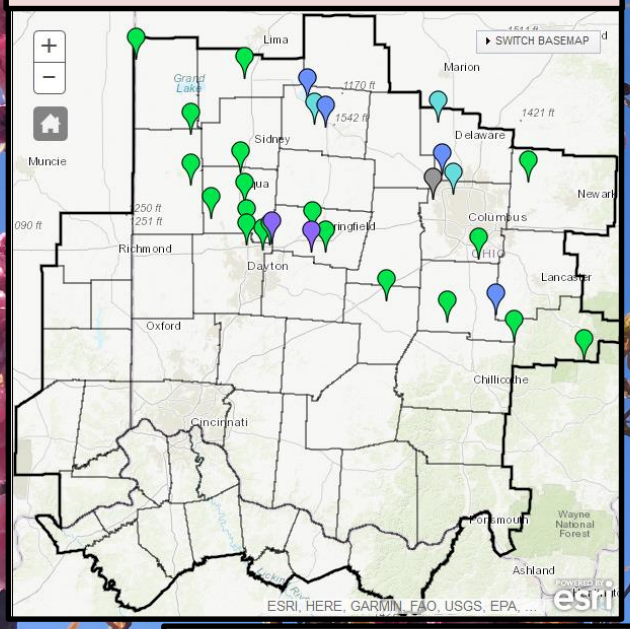


Severe Weather

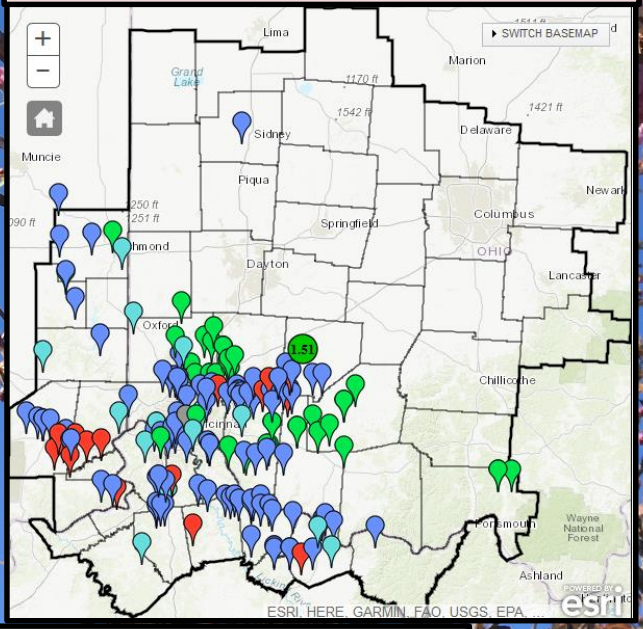
Showers and thunderstorms pushed southeast across the region during the early morning hours of April 8th. Many of the storms produced large hail along with locally damaging wind gusts and minor flooding.

Between 9pm on the 8th and 1am on the 9th, severe thunderstorms brought wind, hail, and tornadoes to the region. 19 tornadoes occurred with this event in the Wilmington, Ohio county warning area. The bowing cluster of thunderstorms produced widespread wind damage across parts of east-central Indiana and the Tri-State area into northern Kentucky. Thunderstorms that developed out ahead of the main line produced several reports of large hail from Butler County, OH east to Scioto County, OH.

April 8th (morning)



April 8th-9th



LOCAL STORM REPORTS:

- Tornado
- Hail
- Thunderstorm Wind Gust
- Thunderstorm Wind Damage
- Flood
- Flash Flood
- Non-Thunderstorm Wind Gust
- Non-Thunderstorm Wind Damage
- Other Report

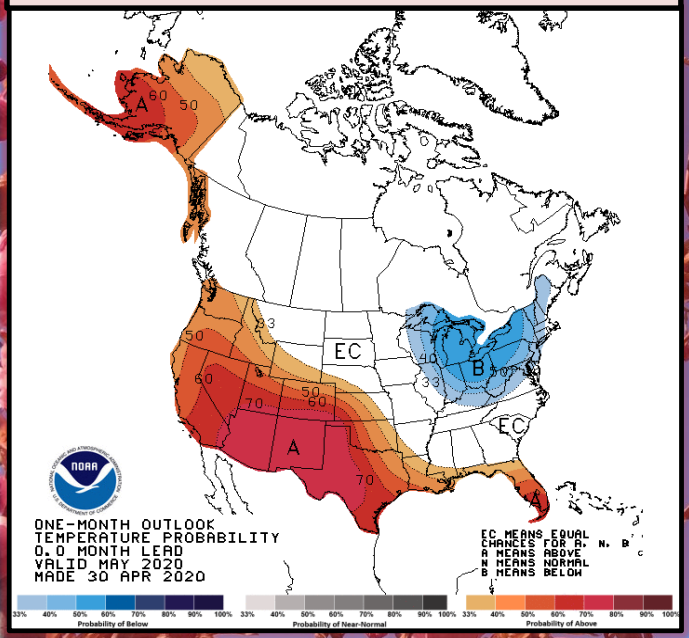
May Outlook

The latest outlook from the Climate Prediction Center calls for an increased likelihood of below normal temperatures. Parts of the region also have an increased likelihood of below normal precipitation.

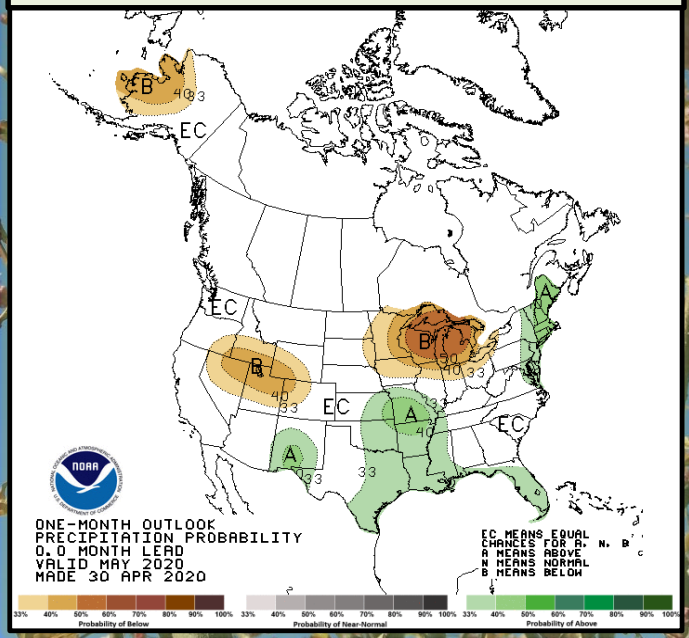
Site	Normal Avg Temp (°F)	Normal High (°F)	Normal Low (°F)
Cincinnati (CVG)	63.5°F	73.7°F	53.2°F
Columbus (CMH)	62.5°F	72.9°F	52.2°F
Dayton (DAY)	61.4°F	71.5°F	51.4°F

Site	Normal Precipitation (in.)	Normal Snowfall (in.)
Cincinnati (CVG)	4.93”	0.0”
Columbus (CMH)	4.17”	0.0”
Dayton (DAY)	4.66”	0.0”

Upcoming Temperature Outlook



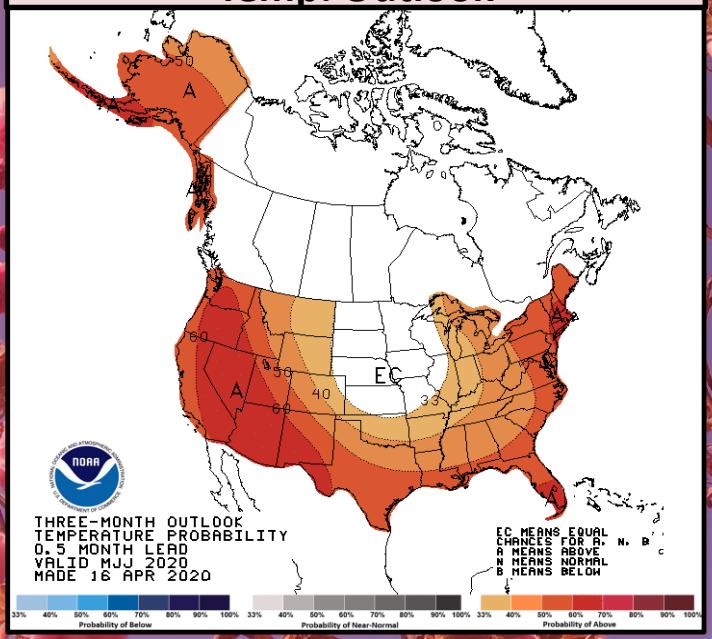
Upcoming Precipitation Outlook



May-July Outlook

For the May, June, and July timeframe, the Climate Prediction Center is indicating an increased likelihood of above normal temperatures and above normal precipitation for the entire region. ENSO neutral conditions are present and expected to continue into the summer months.

Three-Month (MJJ) Temp. Outlook



Three-Month (MJJ) Precip. Outlook