June Temperatures - Cold

June 1 & 2 were unusually cold in northern areas

Hartford tied its coldest June temperature

Caribou recorded two nights with a low of 32°F or lower, tying the record
June Temperatures - Hot

Caribou -
• tied hottest day on record
• 4 of 10 hottest June temps occurred this June
• longest stretch of 80°F+ days on record
• Greatest number of 80°F days for June

Burlington – tied record number of 90°F days in June
June Temperatures

From 4°F below normal to 4°F above normal
June Severe Weather

Widespread wind damage reports from the June 3 derecho

Beaver County, PA’s strongest tornado in 30+ years (an EF-2)
June Precipitation

From less than 25% of normal to more than 200% of normal
June Precipitation

Hartford – only 4 days with measurable precip June 1-28

Caribou & Burlington – driest June 1-28 period on record
June Precipitation

Much-needed rain in parts of Maine & New Hampshire
Precipitation

Total Precipitation (inches)
June 17-23, 2020

Total Precipitation (inches)
June 24-29, 2020
Precipitation

Percent of Normal Precipitation
May 1 - June 29, 2020

Percent of Normal Precipitation
April 1 - June 29, 2020

Powered by
Regional Climate Centers

NRCC
Standardized Precip Index

[Map of the northeastern United States with a legend explaining the Standardized Precipitation Index (SPI) levels. The map shows various colors and symbols indicating different SPI values.]
Evap. Drought Demand Index
USDA Topsoil Moisture by Short-Very Short Percent of State Area
Weekly Value for Period Ending June 21, 2020

Very Dry (>50%)
Dry (30% - 50%)
No Data

Means are calculated from historical weekly data published by USDA/NASS using the closest date to the equivalent date for this year.
Results are based on the short and very short percentages of topsoil moisture (upper 6 inches) reported by the USDA. Reports are based on subjective observations.

Current 10-Year Mean

Means are calculated from historical weekly data published by USDA/NASS using the closest date to the equivalent date for this year.
Results are based on the short and very short percentages of topsoil moisture (upper 6 inches) reported by the USDA. Reports are based on subjective observations.
Groundwater

Groundwater Status

Explanation - Percentile Classes

<table>
<thead>
<tr>
<th>Low</th>
<th>Much below normal</th>
<th>Below normal</th>
<th>Normal</th>
<th>Above normal</th>
<th>Much above normal</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;10%</td>
<td>10-24%</td>
<td>25-75%</td>
<td>76-90%</td>
<td>&gt;90%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Data provided by [USGS Groundwater Watch - CRN](https://crn.usgs.gov); updated 2020-06-29.
Impacts

Soybeans and corn have shown signs of moisture stress in northern New York. For instance, rolled corn seedlings were observed in the St. Lawrence Valley.

In Southwick, MA, some strawberries were smaller than usual in mid-June and a brush fire burned 22 acres of land from June 21-22.

Dam releases have been reduced on some New Hampshire lakes, resulting in many small hydropower plants no longer being able to generate power.

Growers in Maine and New Hampshire’s Seacoast region noted they have spent more time watering plants, leaving less time to plant crops, work in the field, or weed.

As of June 23, there have been 712 wildfires in Maine, making it the state’s second greatest number of fires in a decade. Maine Forest Service suspended online burning permits.

Water restrictions were enacted in numerous Massachusetts locations including Ipswich, Georgetown, Easthampton, and Orange.
Precipitation Forecast

7 Day QPF
Valid: 12Z 06/30/20 - 12Z 07/07/20

Explanation - Forecast precipitation (inches)

Data provided by DOC/NOAA/NWS/NCEP/WPC.
Short-term Outlooks
Drought Resources

Additional Resources

- Northeast DEWS Dashboard: http://nedews.nrcc.cornell.edu/
- Northeast Regional Climate Center: http://www.nrcc.cornell.edu/
- Your state climatologist: https://stateclimate.org/state_programs/
- Your local National Weather Service office: https://www.weather.gov/srh/nwsoffices
- There are also upcoming webinars that will offer more information:
  - NOAA Regional Climate Services Monthly Webinar Series (June 30 next webinar):
    http://www.nrcc.cornell.edu/workshops/webinars/2020/05/index.html
  - USDA Northeast Climate Hub:
    https://www.climatehubs.usda.gov/hubs/northeast/drought-map
  - USGS/New England Water Science Center:

Contacts for More Information

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Upcoming Webinars

- Thursday, July 30 at 9:30am
  - EDDI (Evaporative Demand Drought Index)
- Thursday, August 27 at 9:30am
  - Hurricane Outlook & Season Update

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