



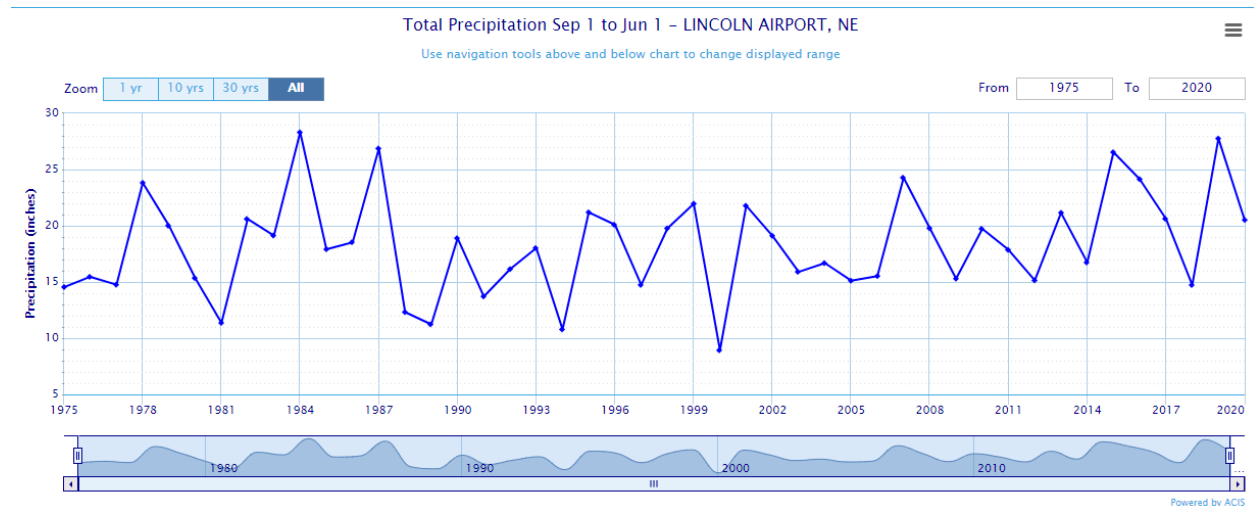
## WEATHER/PRECIPITATION OUTLOOK 2020 GROWING SEASON ISSUE #3—June, 2020

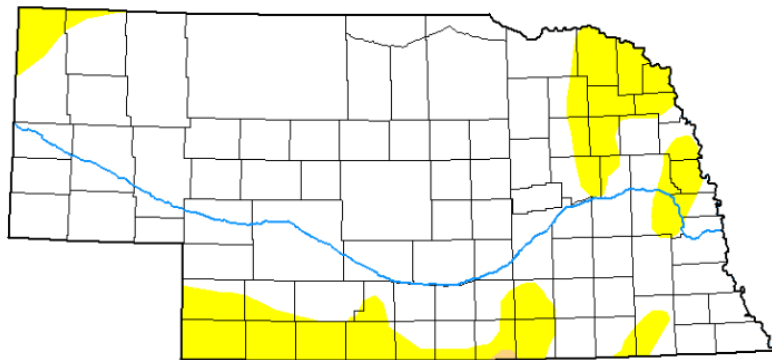
### Background

This is the third in an annual series of outlooks for weather/precipitation for the Lower Platte South Natural Resources District and surrounding area. These outlooks will be produced at least annually, usually in May, and will be updated throughout the growing season (i.e. May through September) as warranted.

### Current Conditions as of June 2020

As is shown in the graph below, precipitation during the fall and winter of 2019-2020 was somewhat above normal. For example, from September 2019 through May 2020, Lincoln received 20.51 inches of precipitation, compared to the 1975-2020 average of 18.32 inches for that same time period. However, this is somewhat offset by the dry nature of the early spring months. In fact, as of early May 2020, Lincoln was nearly 3 inches below normal for the year, and April 2020 was the 15<sup>th</sup> driest April on record since 1887. This dryness is reflected in the Drought Monitor for June 18, 2020, which is also shown below, and which indicates abnormally dry conditions extending throughout southern Nebraska and into LPSNRD (although parts of LPSNRD have received around 4 inches of rain in the latter part of May and a few additional inches in early to mid June).

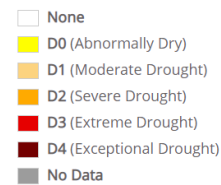




Map released: Thurs. June 18, 2020

Data valid: June 16, 2020 at 8 a.m. EDT

**Intensity:**



**Author(s):**

Richard Tinker, NOAA/NWS/NCEP/CPC

### Outlook

Based on the sources cited below, a general outlook for the LPSNRD and vicinity for the growing season of 2020 is **NORMAL**. Although, as noted above, precipitation for the area surrounding Lincoln since last fall has been somewhat above normal, recent precipitation has been below normal and going into the growing season, parts of LPSNRD were abnormally dry. But as of this writing, the seasonal outlook (through September 30) is for slightly above normal temperatures with a slight chance of above normal precipitation through that period, and so it's not certain whether conditions will stay dry or improve throughout the growing season. As always, conditions can change rapidly, and should the conditions described above change significantly during the season, LPSNRD will issue an update to this outlook as soon as possible.

### For Further Information:

- National Weather Service—Climate Prediction Center: <http://www.cpc.ncep.noaa.gov/>
- National Weather Service—Missouri River Basin Water Supply Statement: [https://www.weather.gov/mbrfc/water\\_supply](https://www.weather.gov/mbrfc/water_supply)
- National Weather Service--Missouri Basin River Forecast Center Ensemble Streamflow Outlook: <https://www.weather.gov/mbrfc/ensemble>
- National Drought Mitigation Center: <http://drought.unl.edu/>
- National Integrated Drought Information System: <http://www.drought.gov>
- United States Drought Monitor: <http://droughtmonitor.unl.edu>
- CLIMOD (temperature and precipitation data): <http://climod.unl.edu/>
- High Plains Regional Climate Center: <https://hprcc.unl.edu/>

### Specific Questions?

- Climate Science, Drought, Research:
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- Lower Platte South NRD Programs; Questions on this Publication:
  - Dick Ehrman, Water Resources Specialist  
Lower Platte South Natural Resources District  
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**LOWER PLATTE SOUTH**  
natural resources district

**Additional Information:**

These outlooks will be generated with input from the following entities:

- High Plains Regional Climate Center
- National Drought Mitigation Center
- Nebraska State Climate Office
- University of Nebraska Extension
- University of Nebraska School of Natural Resources

Going forward, additional entities with relevant information for the region will be also be consulted as necessary for these outlooks.

In generating this outlook, the team assembled by LPSNRD utilized the following resources:

- Short- and long-term outlooks from the National Weather Service Climate Prediction Center (CPC)
- Short- and long-term precipitation analyses
- Palmer Drought Severity Indices
- Soil Moisture Indices
- United States Drought Monitor
- National Integrated Drought Information System (NIDIS); most relevant information for the LPSNRD area can be found in the Missouri River Basin Quarterly Climate Impacts and Outlook as well as the section on Nebraska.