### Monthly/Seasonal Outlook

**Eastern Area**

**Updated:** November 21, 2019  
**Valid:** November 2019 - January 2020

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#### Predictive Services Temperature and Precipitation Outlooks

**Temperature**

- **Cold Periods Early:**
  - December (DEC)
  - January (JAN)
  - February (FEB)
  - March (MAR)

- **Cold Anomaly Pattern:**
  - May show some expansion and west-east centered variability due to the ENSO state and the likely evolution of stratospheric warming event over winter.

- **Below Normal** =  
- **Above Normal** =

#### Precipitation

- **Modoki ENSO Pattern:**
  - If it persists through winter, typically produces a stronger ridge and drier trends for the “West”/Southwest and greater potential for eastern US troffs and a much wetter pattern.

- **Below Normal** =  
- **Above Normal** =
**Discussion**

- **Past Weather and Drought:** 30 to 90 day soil moisture and precipitation anomalies were near to above normal across the majority of the Eastern Area towards the end of October 2019. Well above normal soil moisture and precipitation anomalies were indicated over much of Iowa, Missouri, Minnesota, Michigan, and Wisconsin.

- **Weather and Climate Outlook:** Wetter than normal trends are forecast over much of the Eastern Area through the rest of 2019. A colder than normal weather pattern is forecast over much of the Eastern Area December into February of 2020.

- **Fuel Conditions:** Above normal fuel moisture levels and below normal fire danger indices were indicated over much of the Eastern Area towards the end of October 2019 due to fairly widespread rainfall through the second half of October.

- **Fire Season Timing:** The fall fire season may end earlier than normal across parts of the southern tier of the Eastern Area if wetter than normal conditions persist into November.

- **Area Discussion:** Near to below normal fire potential is expected over much of the Eastern Area through the end of the fall fire season.