

Nebraska Climate Update WAOC Report

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Nebraska State Climatologist

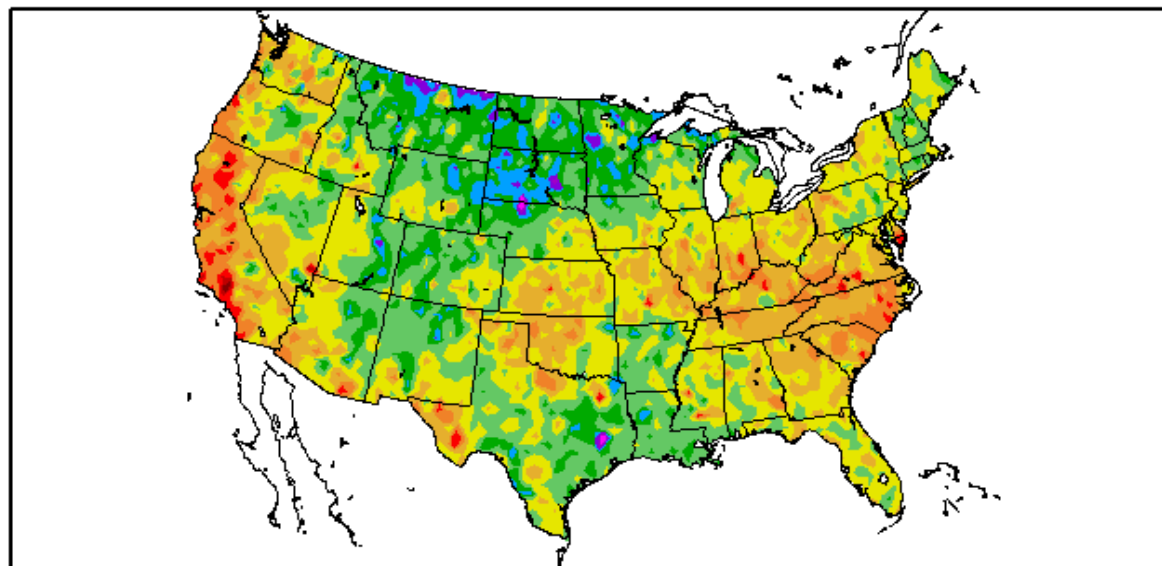
402-472-5206

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90-Day Temperature Trend

Departure from Normal Temperature (F)
4/25/2014 – 6/23/2014



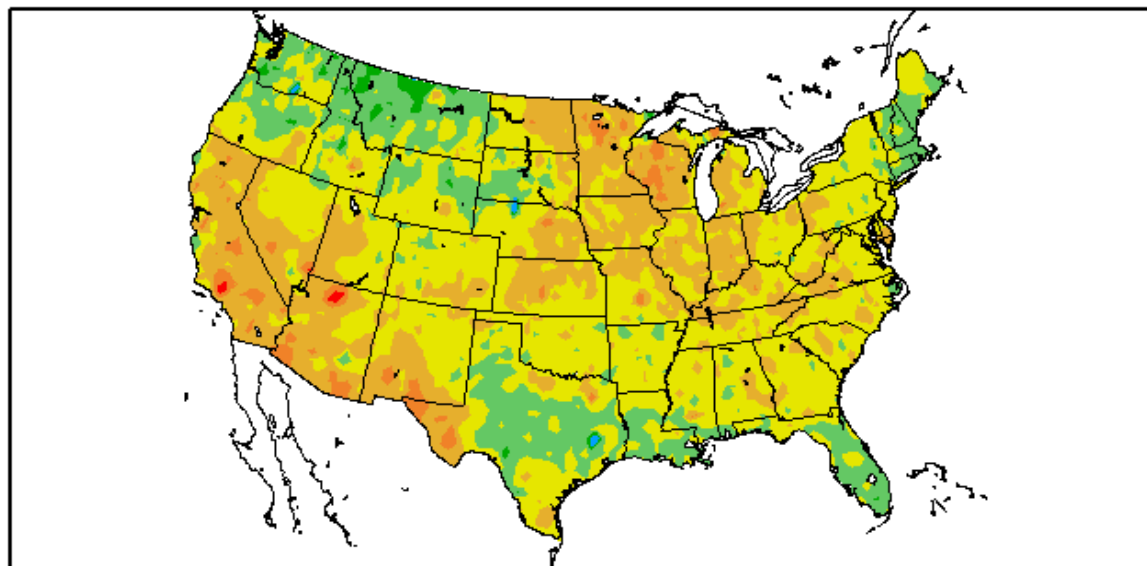
Generated 6/24/2014 at HPRCC using provisional data.

Regional Climate Centers



30-Day Temperature Trend

Departure from Normal Temperature (F)
5/25/2014 – 6/23/2014



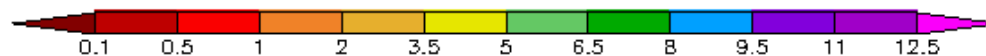
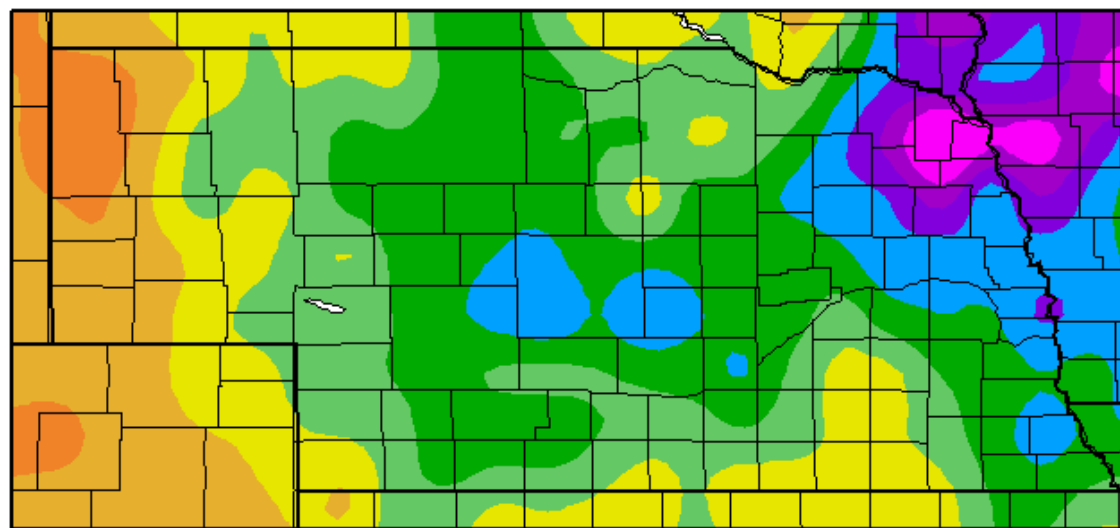
Generated 6/24/2014 at HPRCC using provisional data.

Regional Climate Centers



30 Day Precipitation

Precipitation (in)
5/25/2014 – 6/23/2014



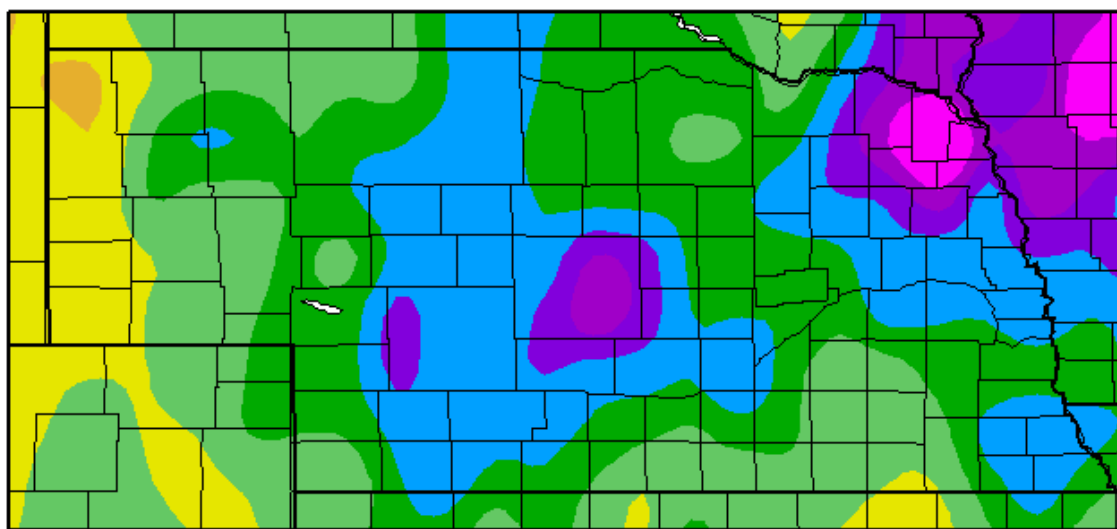
Generated 6/24/2014 at HPRCC using provisional data.

Regional Climate Centers



30 Day Precipitation Departures

Departure from Normal Precipitation (in)
5/25/2014 – 6/23/2014



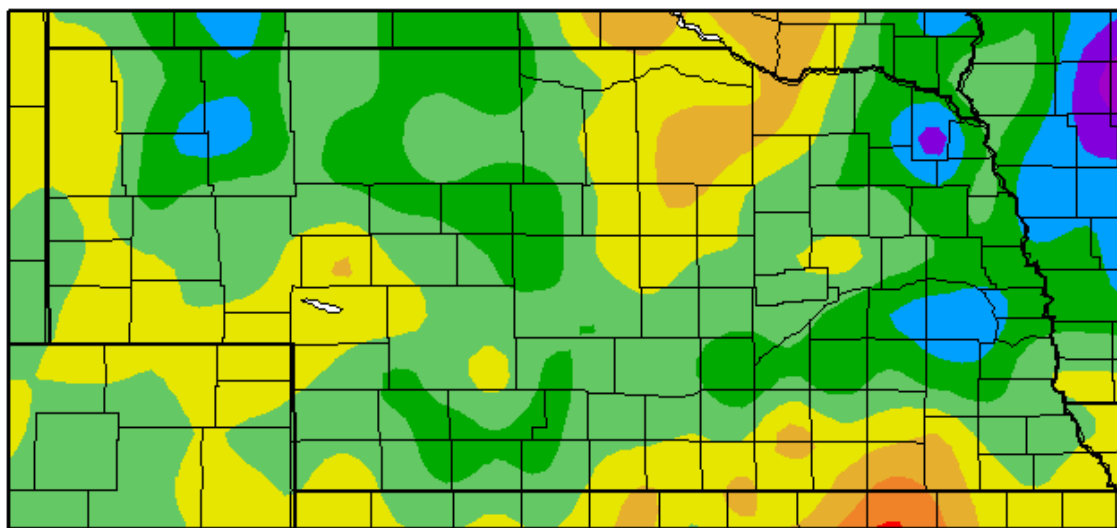
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Regional Climate Centers



90 Day Precipitation Departures

Departure from Normal Precipitation (in)
3/26/2014 – 6/23/2014



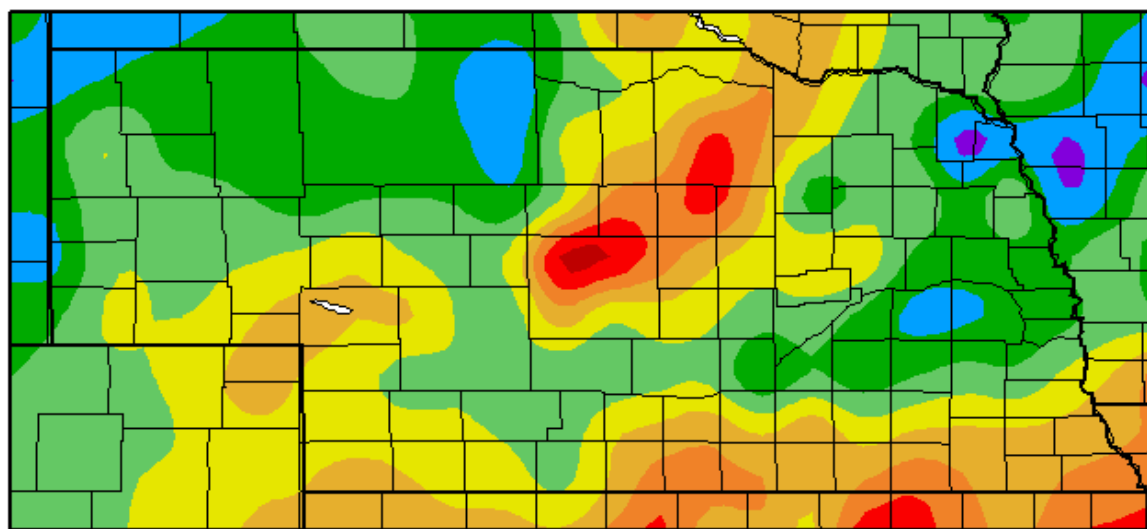
Generated 6/24/2014 at HPRCC using provisional data.

Regional Climate Centers



Water Year Precipitation Departures

Departure from Normal Precipitation (in)
10/1/2013 – 6/22/2014

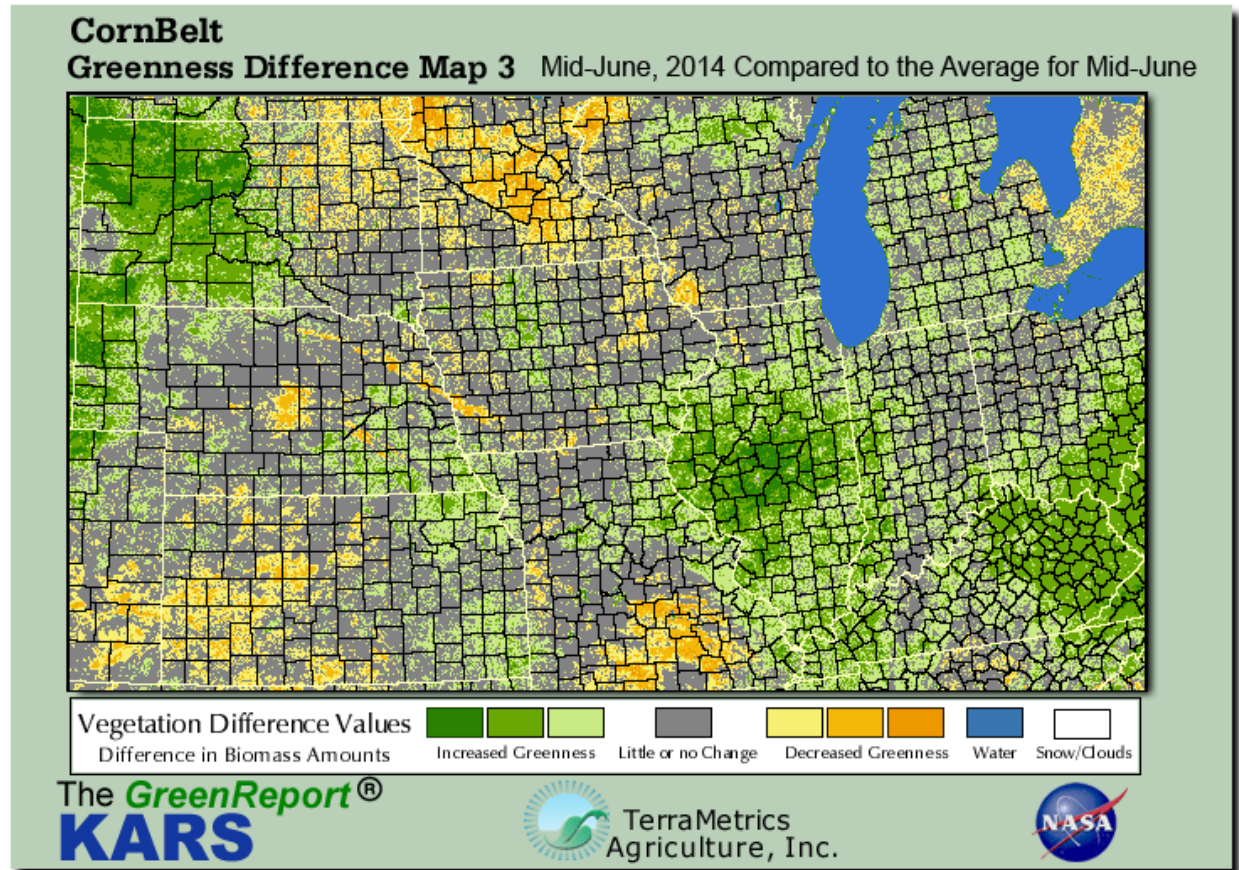


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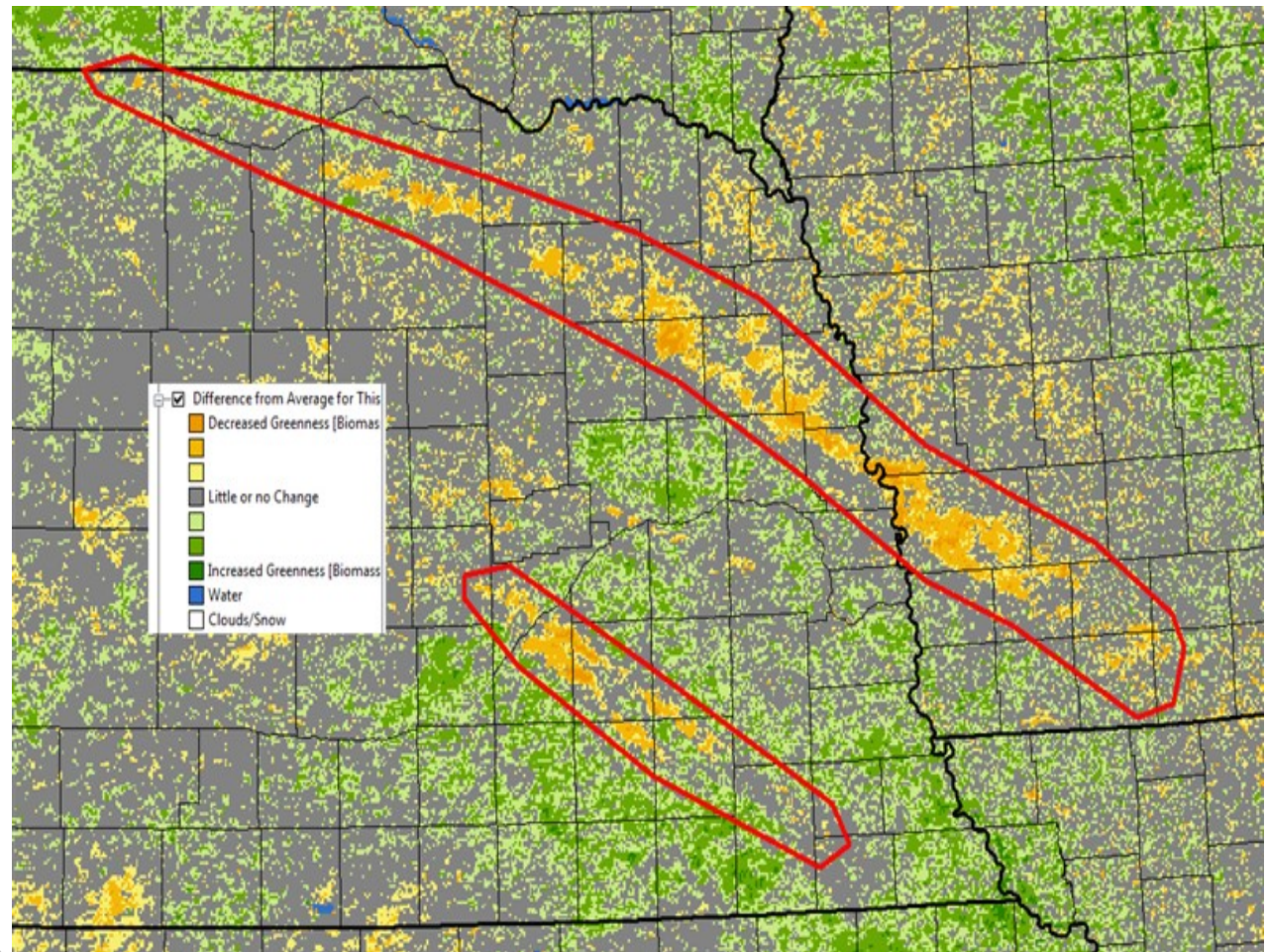
Regional Climate Centers



Greenness Map

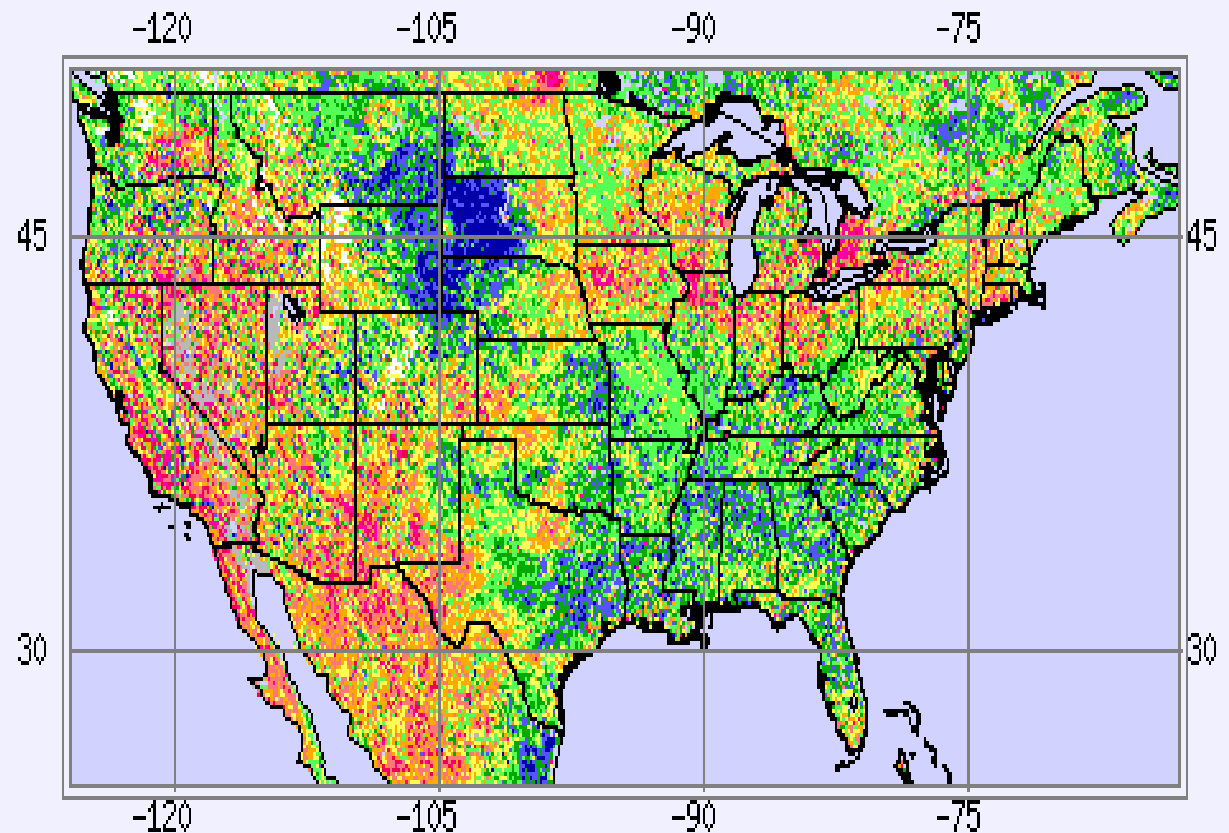


Greenness Map - Nebraska



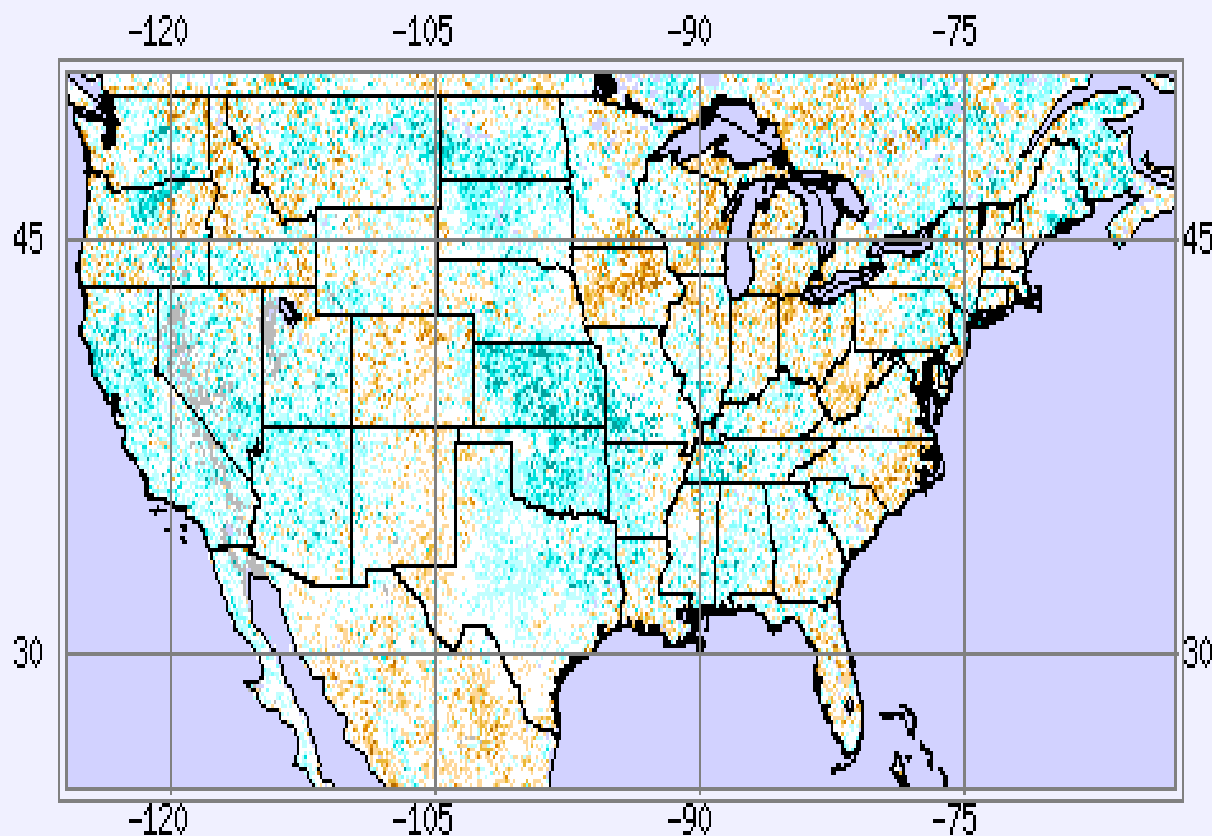
Vegetative Health Index

June 17, 2014 (week 24)



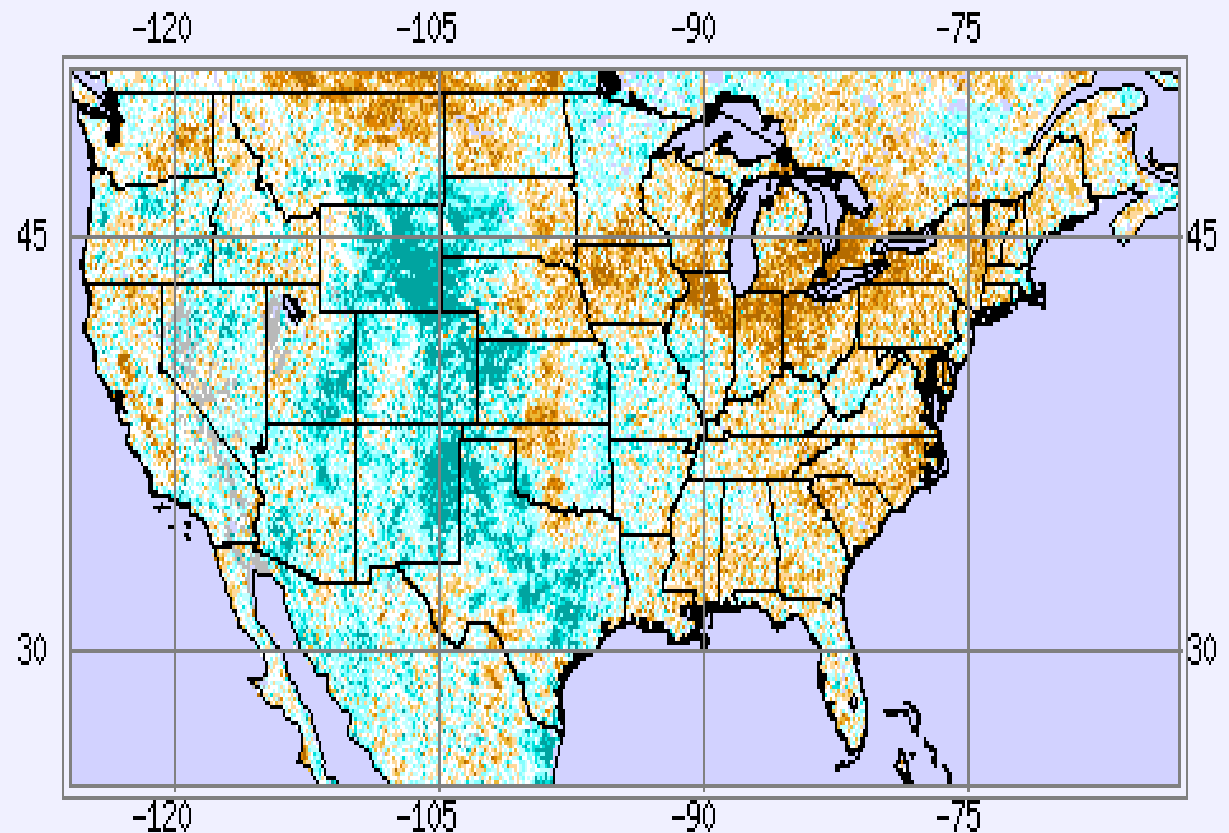
VHI Weekly Change

June 17, 2014 (week 24)



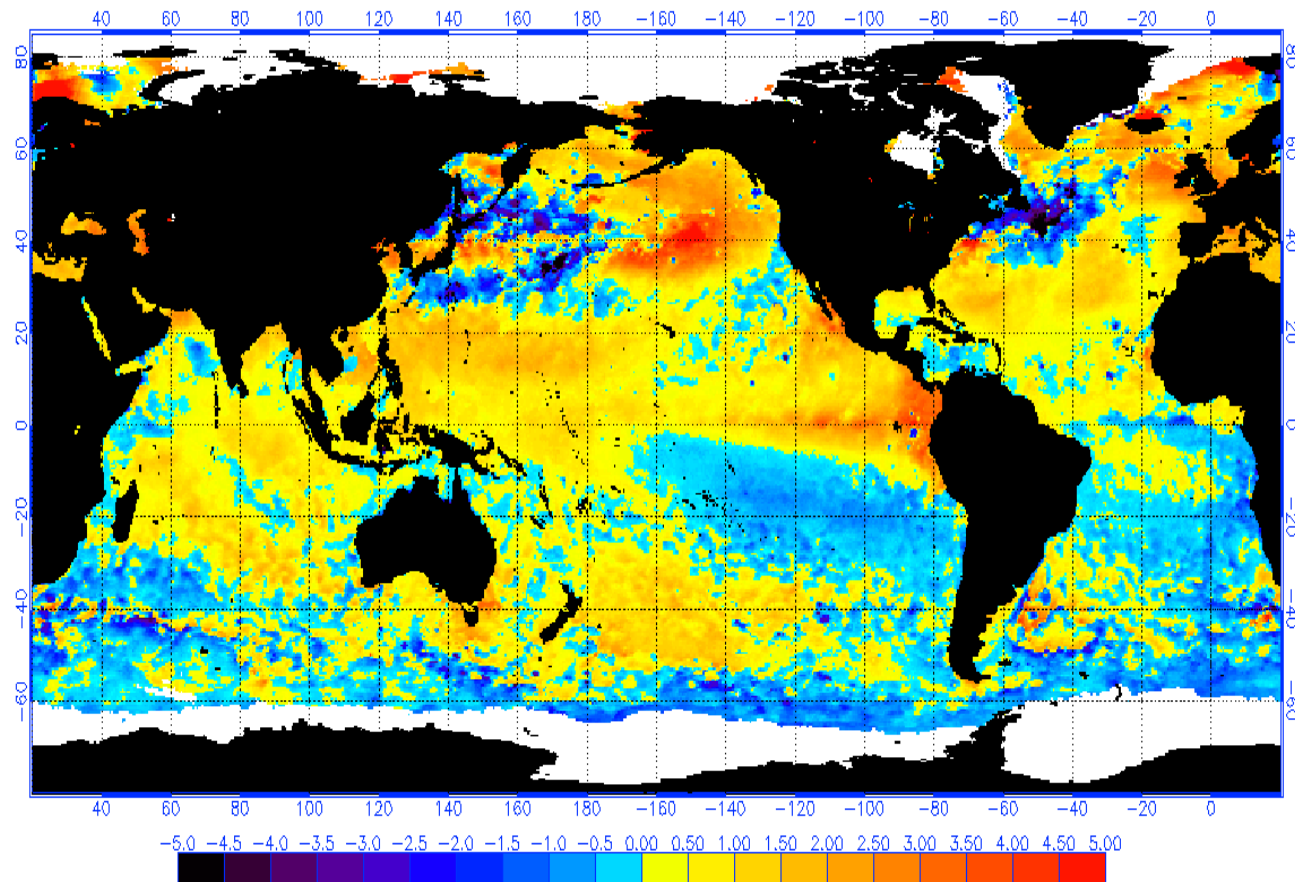
VHI Annual Change

June 17, 2014 (week 24)



Sea Surface Temperature Deviations

NOAA/NESDIS 50 KM GLOBAL ANALYSIS: SST Anomaly (degrees C), 6/23/2014
(white regions indicate sea-ice)



Consolidate ENSO Forecast

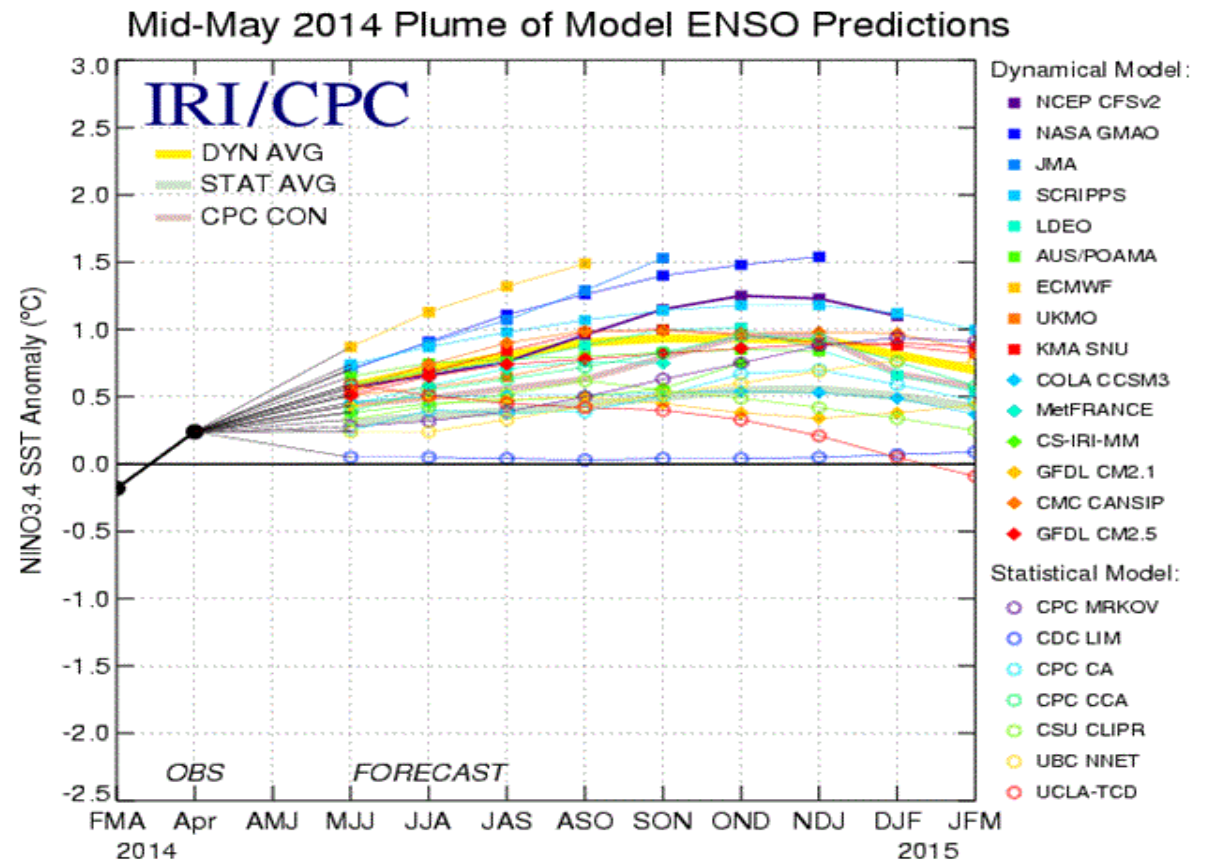
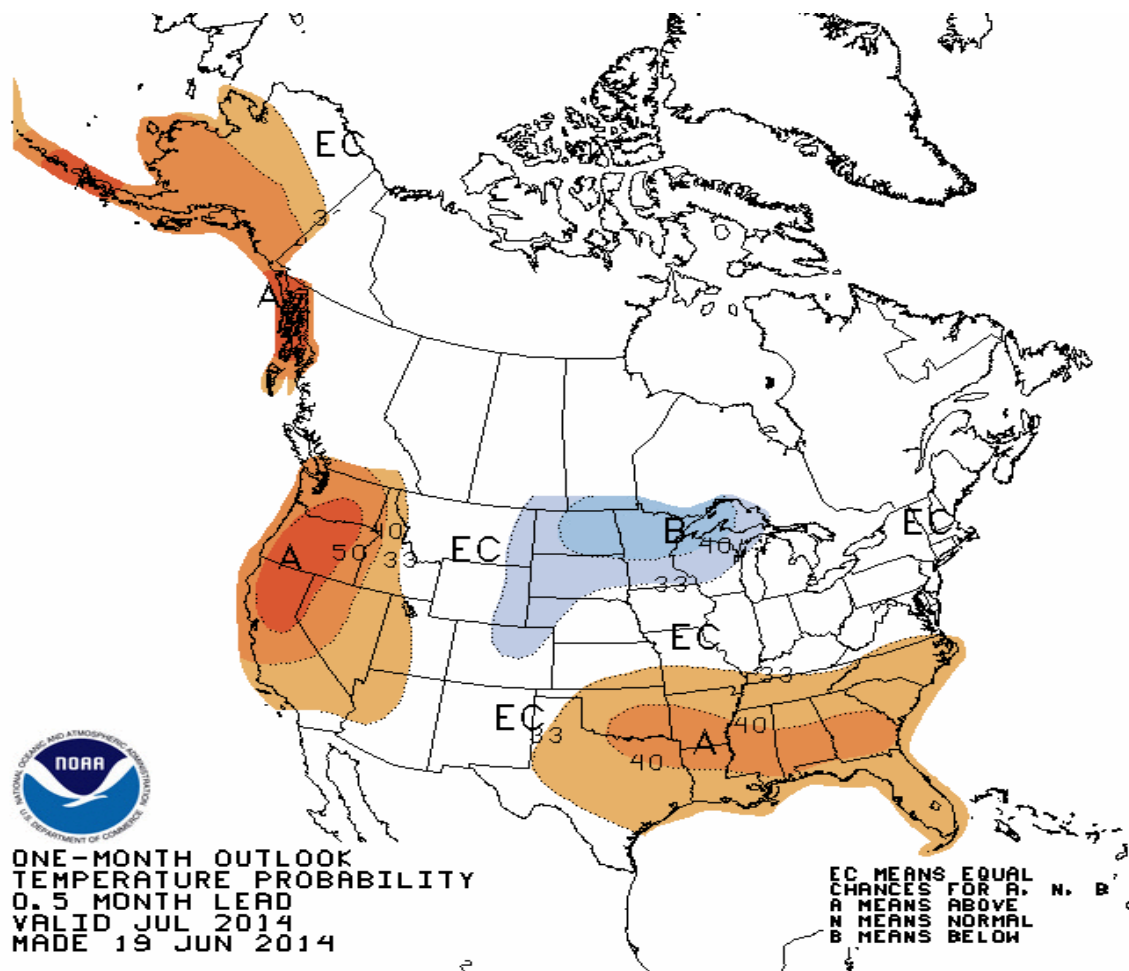


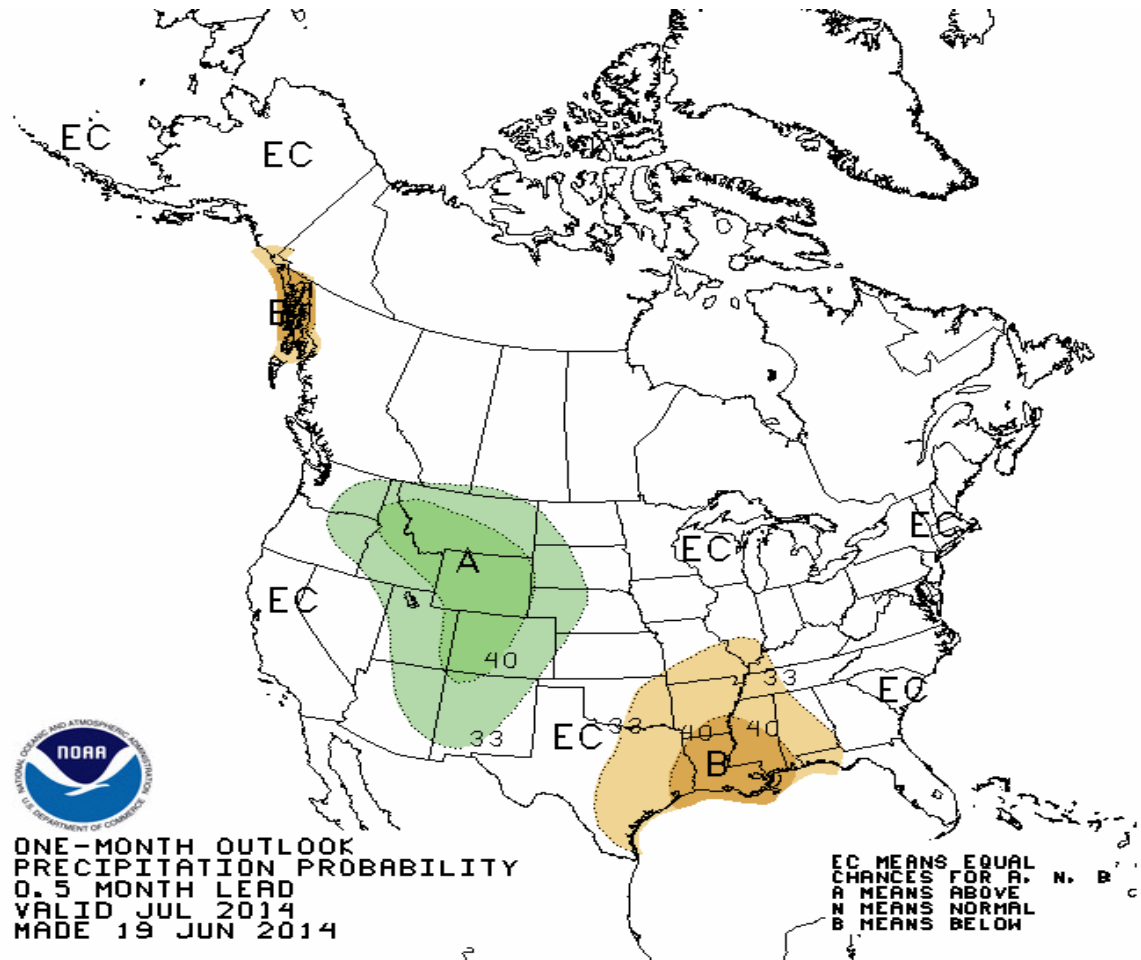
Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 13 May 2014.



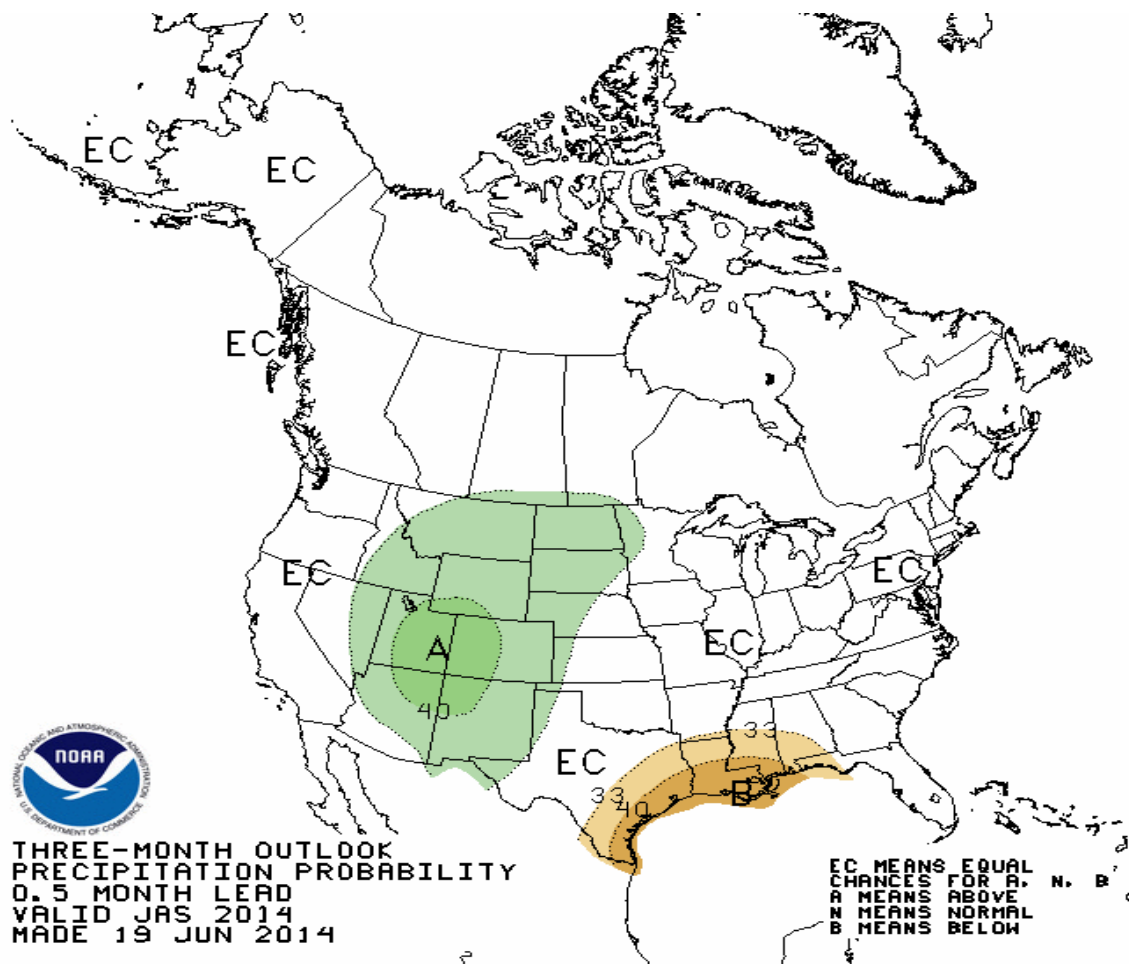
July Temperature Outlook



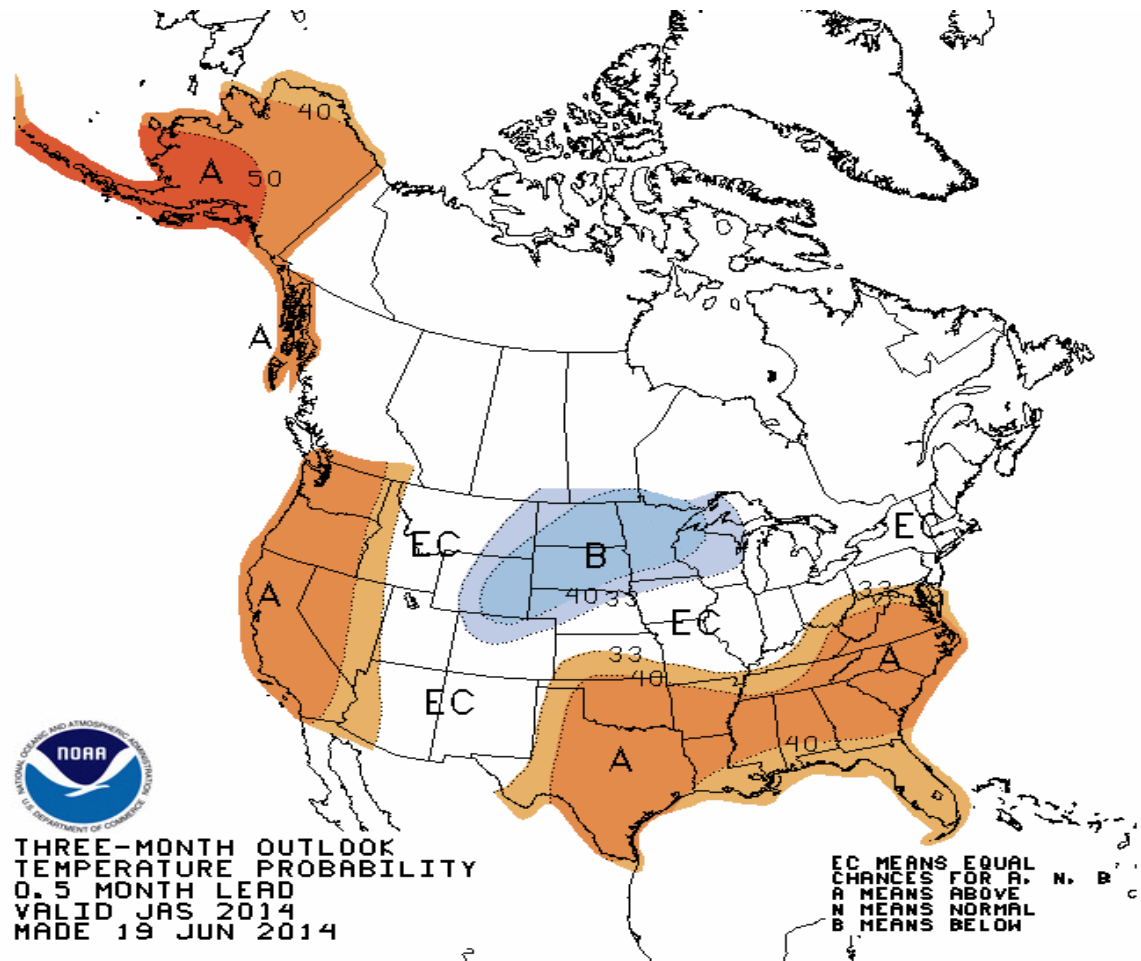
July Precipitation Outlook



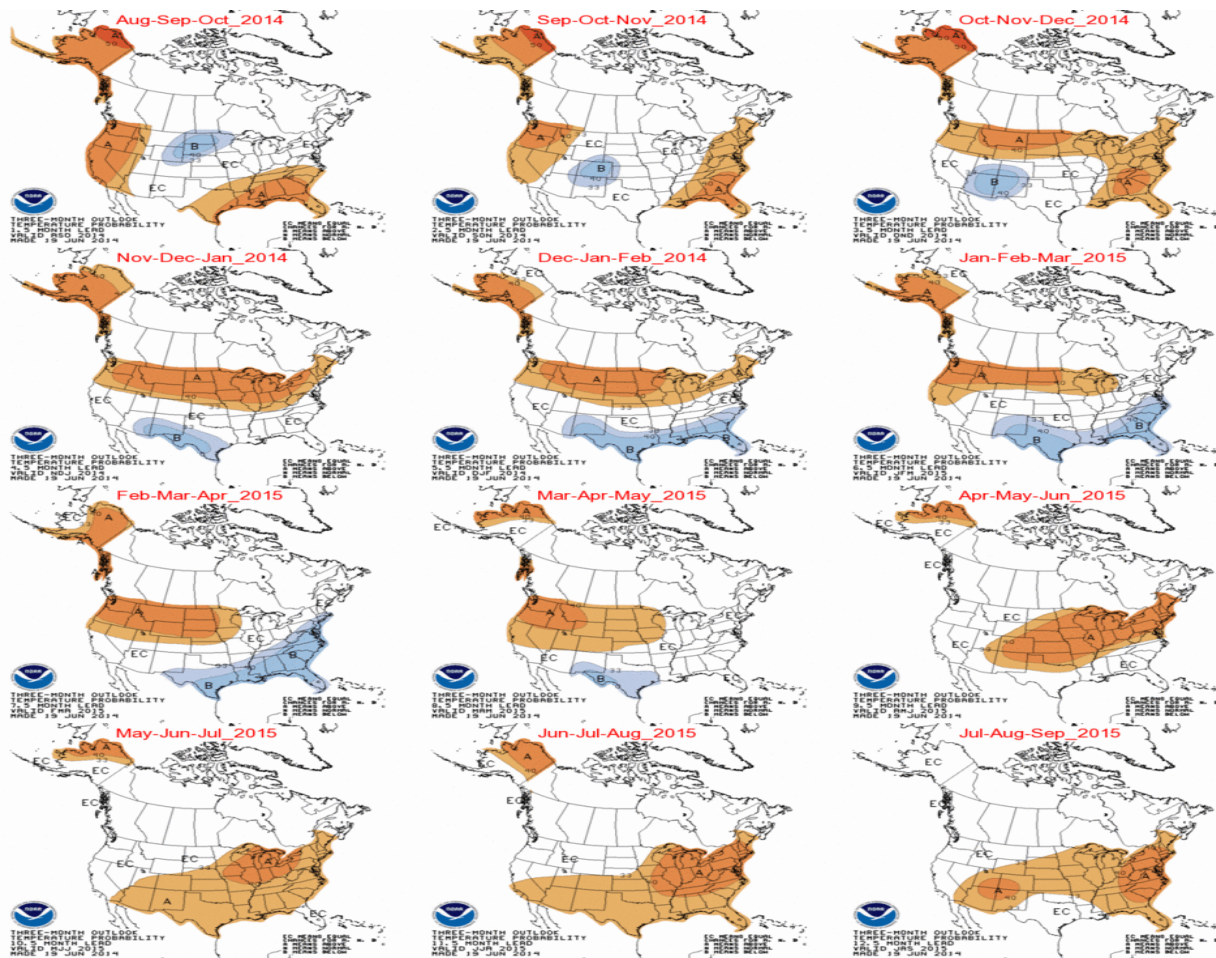
July-September Precipitation Outlook



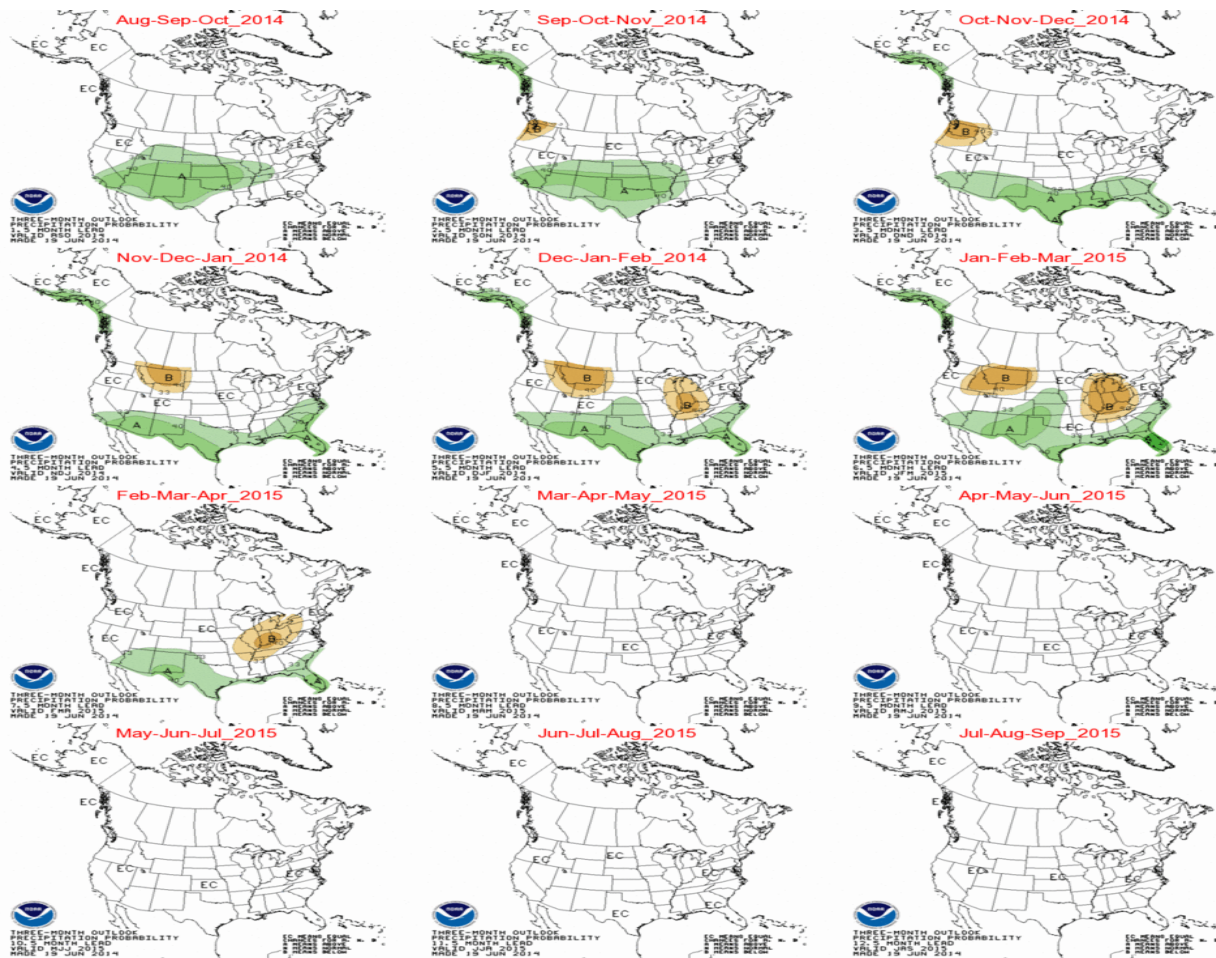
July-September Temperature Outlook



3-Month Temperature Outlooks



3-Month Precipitation Outlooks



Short Term Influences

- Pivot Damage, Repair Time, Impacts on Yield
- Green Snap Potential
- Corn Pollination (7/7 – 7/17)
- Hay/Forage Problems?
- Fungal and Bacterial Diseases
- 70% chance of El Nino formation by end of summer, 80% by end of year
- Hurricane formation (Atlantic, Pacific)

