



Daily Agriculture/Long Range Report February 21st, 2017 | Morning Briefing

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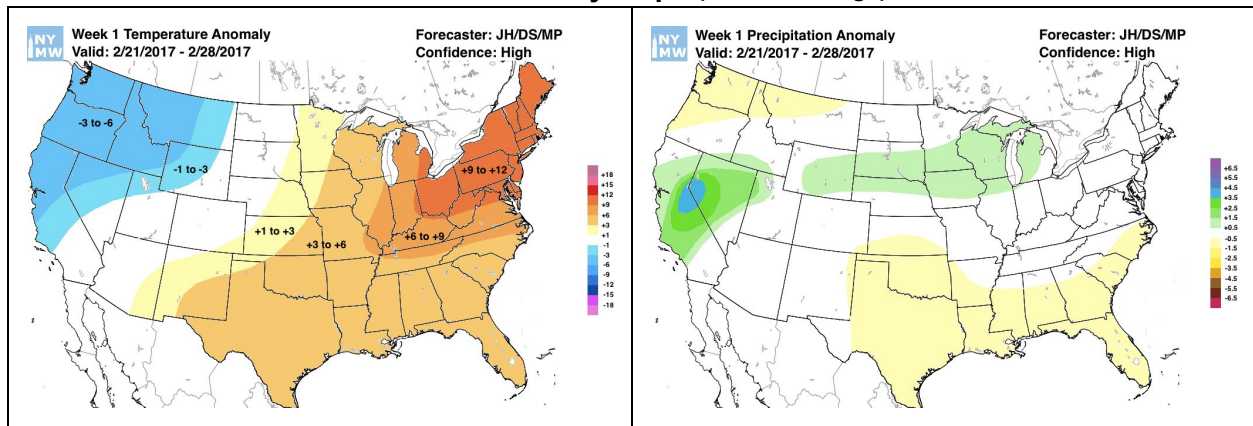
Overview and Synopsis

Anomalous warmth will continue across the Central and Eastern US through the middle of the week. Cold begins to surge eastwards through the Northern Plains late week with a significant winter storm in the Northern AG Belt from Thursday into Saturday. Cold becomes more established in the West Weeks 2-3, while the East remains warm throughout. This pattern looks likely to persist into the early part of March 2017.

Threat Analysis

Threat	Dates	Region Affected	Potential Impact
Winter Storm	2/23 - 2/25	NE, IA, SD, MN, WI	Significant
Anomalous Warmth	2/22 - 2/25	Corn Belt, East	Significant
Anomalous Precip	2/22 - 2/25	CA, NV	Significant

Week 1 Anomaly Maps (click to enlarge)





Threat Analysis Overview Page

Winter Storm	2/23 - 2/25	NE, IA, SD, MN, WI	Significant
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A significant winter storm will evolve during the latter part of this week across the Northern Great Plains. A low pressure area will move eastwards from the Rockies, associated with a disturbance emerging from the Pacific Ocean. Cold air across the Northern 1/3 of the United States will help develop a tight gradient which will aid in a band of heavy snowfall developing from late Thursday Night into Friday.

The low pressure system is expected to strengthen across Iowa and move into the Great Lakes on Friday, with snow developing and expanding across Minnesota, Iowa, and Wisconsin. Significant snowfall amounts of 12" or more are possible in these regions, particularly Southern Minnesota. Please view our latest [Snowfall Forecast](#) for the latest details.

Anomalous Warmth	2/22 - 2/25	Corn Belt, East	Significant
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While cold air spills into the Central United States, mainly the Northern 1/3, a Southeast Ridge will amplify and bring anomalous warmth into much of the Eastern United States late this week. Warm southerly winds will bring very warm temperatures to regions from the Corn Belt and Ohio Valley towards the Mid Atlantic and Northeast States.

While a cold front sweeps through the Ohio Valley on Thursday evening and Friday, bringing an end to the very warm air, this warmth will persist in the Northeast through Friday evening, where temperatures may average 25 to 30 degrees above normal for this time of year.

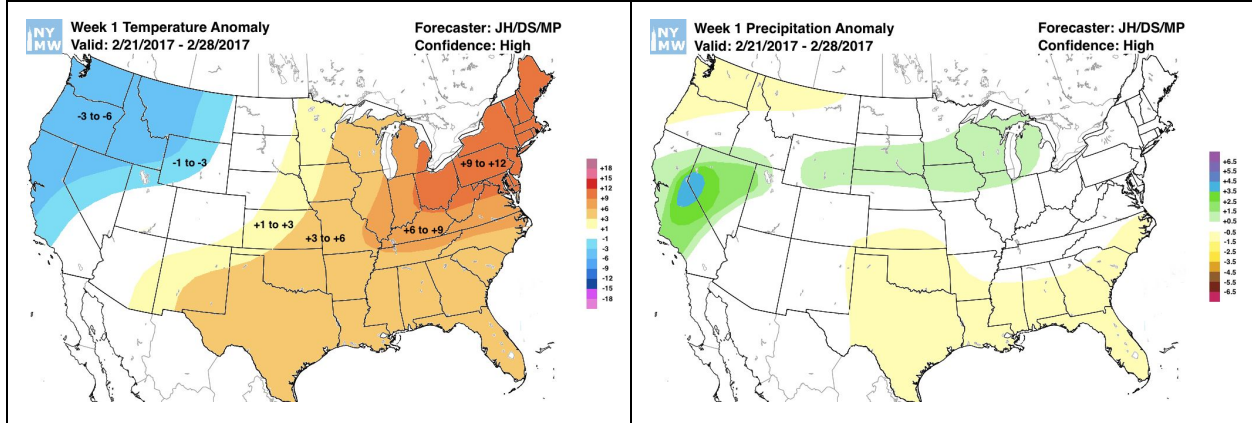
Anomalous Precip	2/22 - 2/25	CA, NV	Significant
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Significant precipitation is again possible in California and Nevada this weekend. Forecast models have fluctuated with the intensity and positioning of a storm system entering California, which may again bring significant moisture. Confidence in the system is currently very low, but significant flooding and runoff issues would again be possible if the storm did occur.

Weekly Breakdown and Discussion

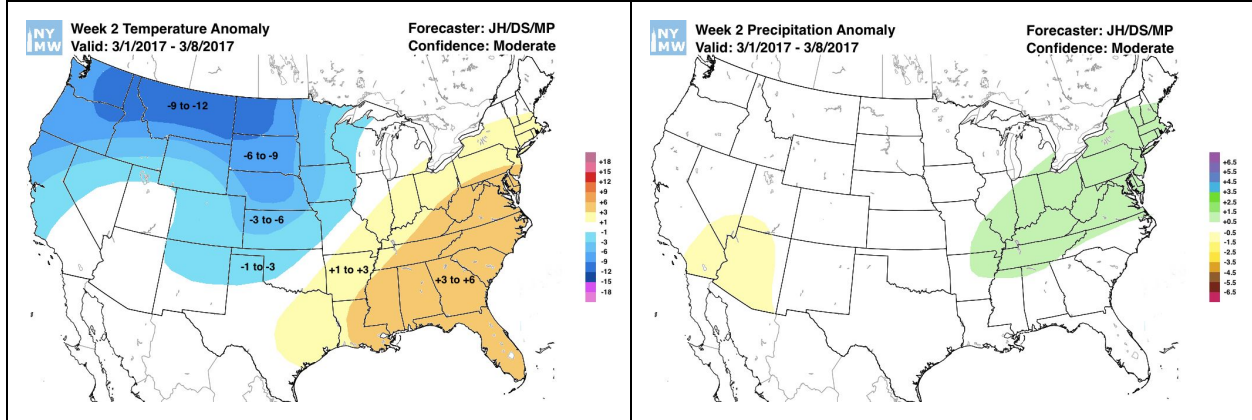


Week 1



A significant ridge will bring warm air to the Eastern USA, while troughing works into the Western USA and brings colder air there. Significant precipitation (as discussed above) is likely in the Northern Plains.

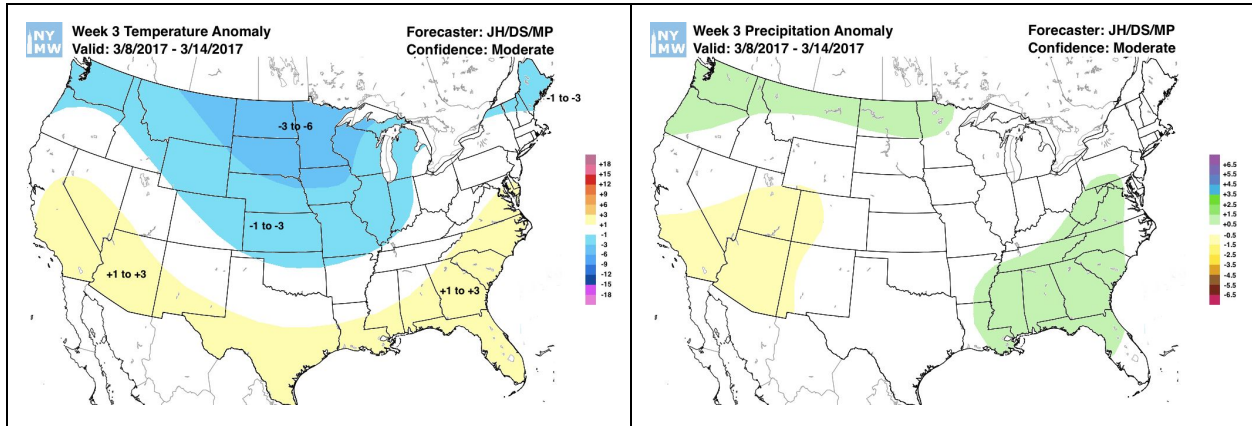
Week 2



Troughing and colder air will gradually work into the Central USA during Week 2 as ridging persists in the East. An active pattern will begin developing in the Central and Eastern USA.

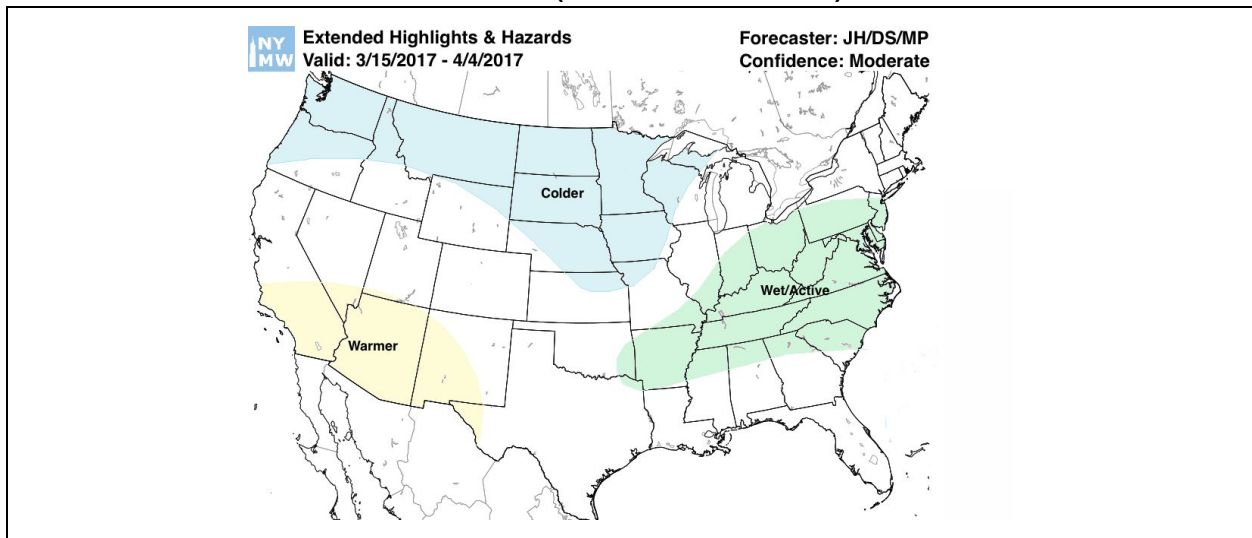


Week 3 (3/8/2017 - 3/14/2017)



Deeper cold air will begin to move into the Central US and parts of the Corn Belt during this period. The Southeast US ridge will remain persistent, but an active precipitation pattern is expected to continue. The cold air will have impacts for AG interests during this time frame.

Extended (3/14/2017 - 4/4/2017)



The general pattern which becomes established during early and mid March is expected to persist into the early part of April. Active, wet weather will continue across the East while colder air is persistent across the Northern 1/3 of the AG Belt and Northern Plains.

Updated: 8:00am February 21st, 2017 | Forecaster: HOMENUK