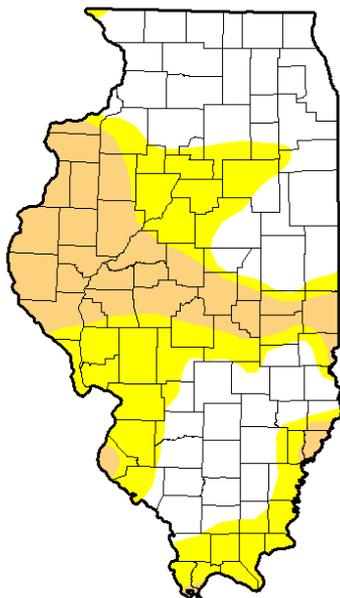




Central Illinois Drought Update

Thursday, October 29, 2015

U.S. Drought Monitor Illinois



October 27, 2015

(Released Thursday, Oct. 29, 2015)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	46.16	53.84	23.89	0.00	0.00	0.00
Last Week <i>19/29/2015</i>	60.89	39.11	18.61	0.00	0.00	0.00
3 Months Ago <i>7/28/2015</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <i>12/02/2014</i>	99.96	0.14	0.00	0.00	0.00	0.00
Start of Water Year <i>9/29/2015</i>	82.81	17.19	0.00	0.00	0.00	0.00
One Year Ago <i>10/29/2014</i>	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Brad Rippey
U.S. Department of Agriculture



<http://droughtmonitor.unl.edu/>



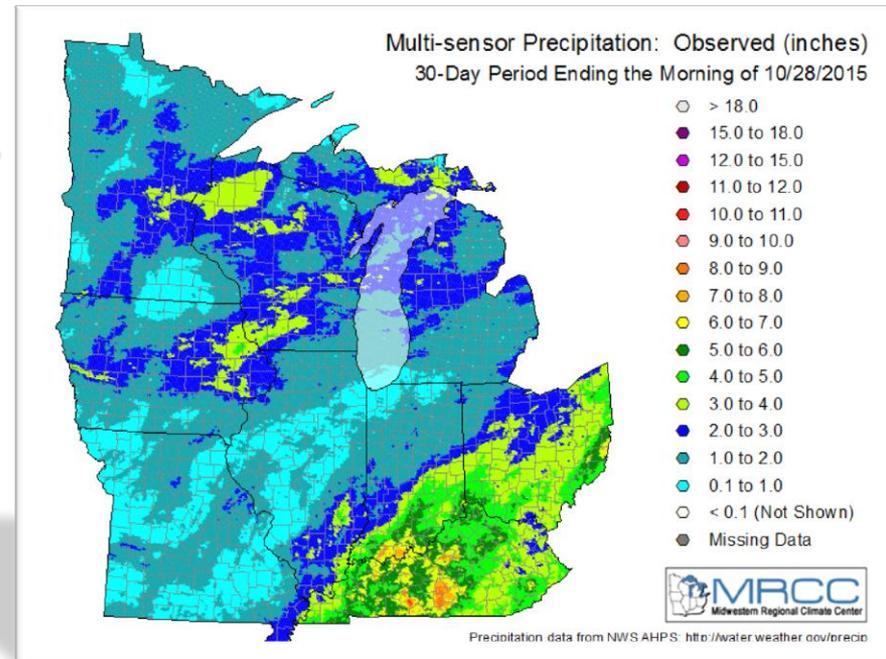
Chris Geelhart, Meteorologist
National Weather Service, Lincoln IL
Phone: 217-732-3089
E-mail: chris.geelhart@noaa.gov



Central Illinois Drought Update

Latest Summary

- Very little rain fell in much of central Illinois over late September and the first few weeks of October.
- Some beneficial rains did occur this week, with amounts of $\frac{1}{2}$ to 1" west of I-55 and 1 to 2 inches closer to the Indiana border.
- Despite the very wet conditions of spring and early summer, soil moisture reserves are being depleted and drought conditions are developing.





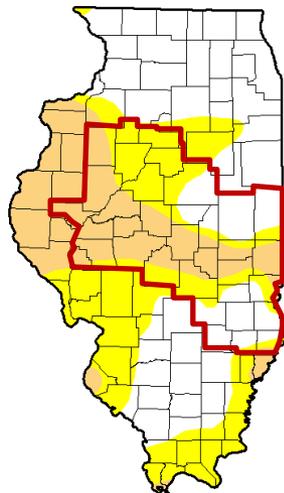
Central Illinois Drought Update

Latest Drought Monitor Graphics – Local

Classification of counties covered by the Lincoln NWS (highlighted in red on the map):

- **D4 (Exceptional Drought):** None
- **D3 (Extreme Drought):** None
- **D2 (Severe Drought):** None
- **D1 (Moderate Drought):** Cass, Coles, Douglas, Edgar, Fulton, Knox, Logan, Macon, Mason, Menard, Morgan, Moultrie, Sangamon, Schuyler, Scott
- **D0 (Abnormally Dry):** Christian, Clark, Marshall, Peoria, Shelby, Stark, Tazewell, Woodford

U.S. Drought Monitor Illinois



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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	46.16	53.84	23.89	0.00	0.00	0.00
Last Week 10/20/2015	60.89	39.11	18.61	0.00	0.00	0.00
3 Months Ago 7/26/2015	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 1/2/2015	99.86	0.14	0.00	0.00	0.00	0.00
Start of Water Year 9/29/2015	82.81	17.19	0.00	0.00	0.00	0.00
One Year Ago 10/29/2014	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

- Yellow: D0 Abnormally Dry
- Orange: D1 Moderate Drought
- Dark Orange: D2 Severe Drought
- Red: D3 Extreme Drought
- Dark Red: D4 Exceptional Drought

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Category	Description	Possible Impacts
D0	Abnormally Dry	<p>Going into drought:</p> <ul style="list-style-type: none"> short-term dryness slowing planting, growth of crops or pastures <p>Coming out of drought:</p> <ul style="list-style-type: none"> some lingering water deficits pastures or crops not fully recovered
D1	Moderate Drought	<ul style="list-style-type: none"> Some damage to crops, pastures Streams, reservoirs, or wells low, some water shortages developing or imminent Voluntary water-use restrictions requested
D2	Severe Drought	<ul style="list-style-type: none"> Crop or pasture losses likely Water shortages common Water restrictions imposed
D3	Extreme Drought	<ul style="list-style-type: none"> Major crop/pasture losses Widespread water shortages or restrictions
D4	Exceptional Drought	<ul style="list-style-type: none"> Exceptional and widespread crop/pasture losses Shortages of water in reservoirs, streams, and wells creating water emergencies





Central Illinois Drought Update

Agricultural Impacts

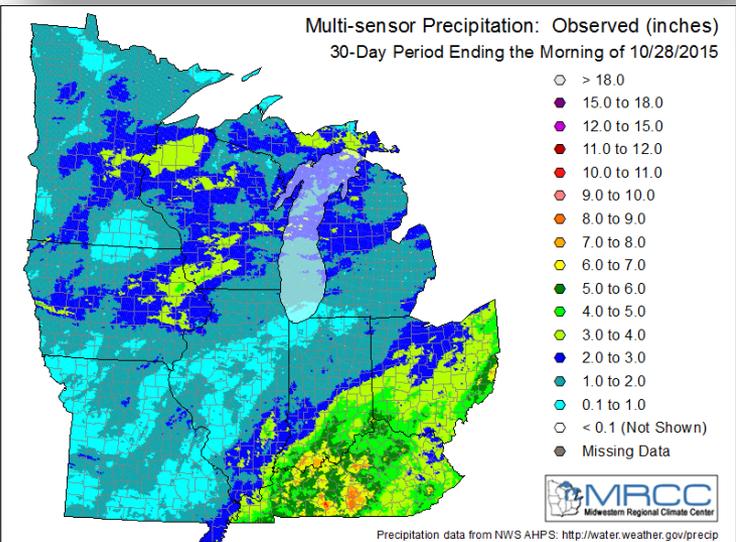
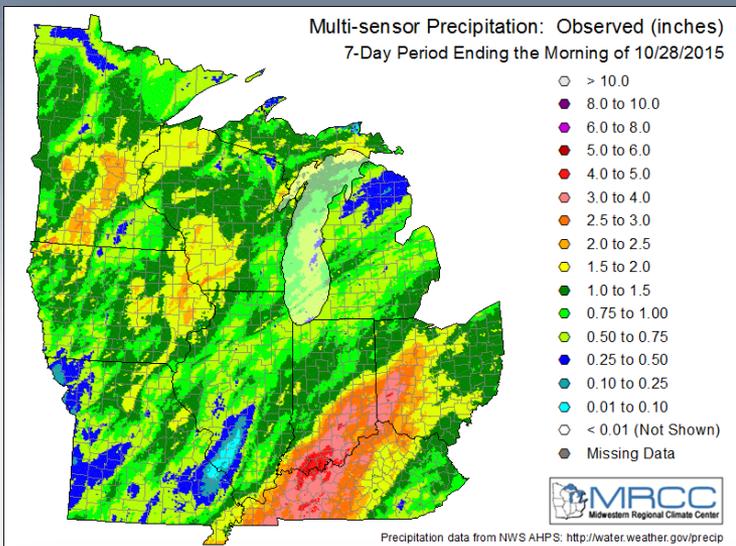
- **The dry weather has been favorable for harvest activities, which is nearly complete (93% of the corn and 93% of the soybeans have been harvested statewide). However, rain is still needed for winter wheat, and to make sure there are enough moisture reserves for spring planting activities.**
 - **The October 26 report from the National Agricultural Statistics Service indicates topsoil moisture is 93% short or very short in west central Illinois, with 83% of subsoil moisture short or very short.**





Central Illinois Drought Update

Climate Summary (including observations through Oct. 28)

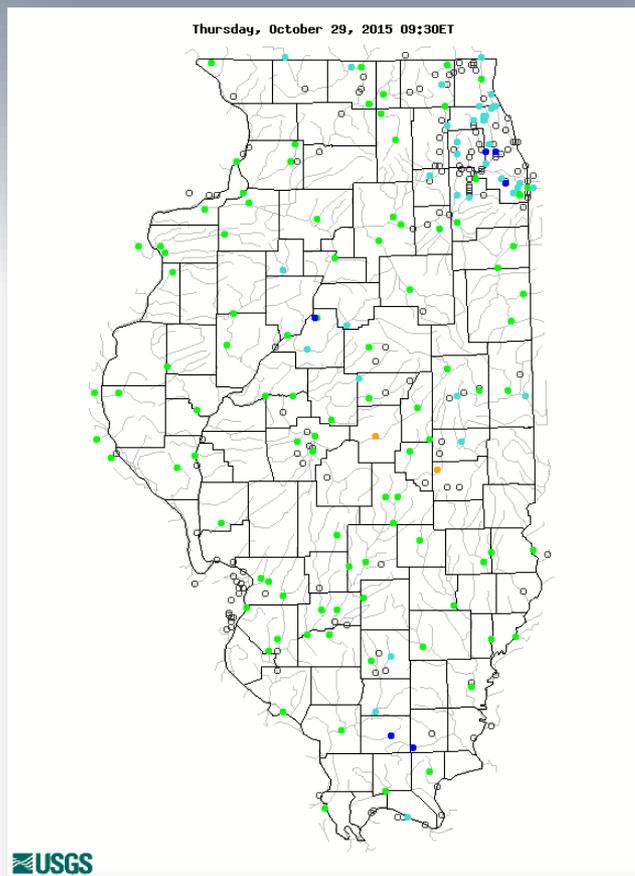


Location	Precipitation Since 8/1 (vs normal)	Precipitation in October (inches)
Charleston	6.54 (-3.03)	1.57
Decatur	7.39 (-2.45)	1.12
Galesburg	8.82 (-1.09)	1.03
Havana	6.69 (-2.94)	1.43
Jacksonville	Missing	Missing
Lincoln	7.92 (-1.99)	1.08
Normal	11.21 (+1.32)	1.31
Paris	7.01 (-3.12)	1.41
Peoria	8.63 (-0.30)	1.13
Springfield	8.56 (-0.42)	1.19



Central Illinois Drought Update

Hydrologic Summary – River and Stream Flow Conditions



Explanation - Percentile classes							
●	●	●	●	●	●	●	○
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

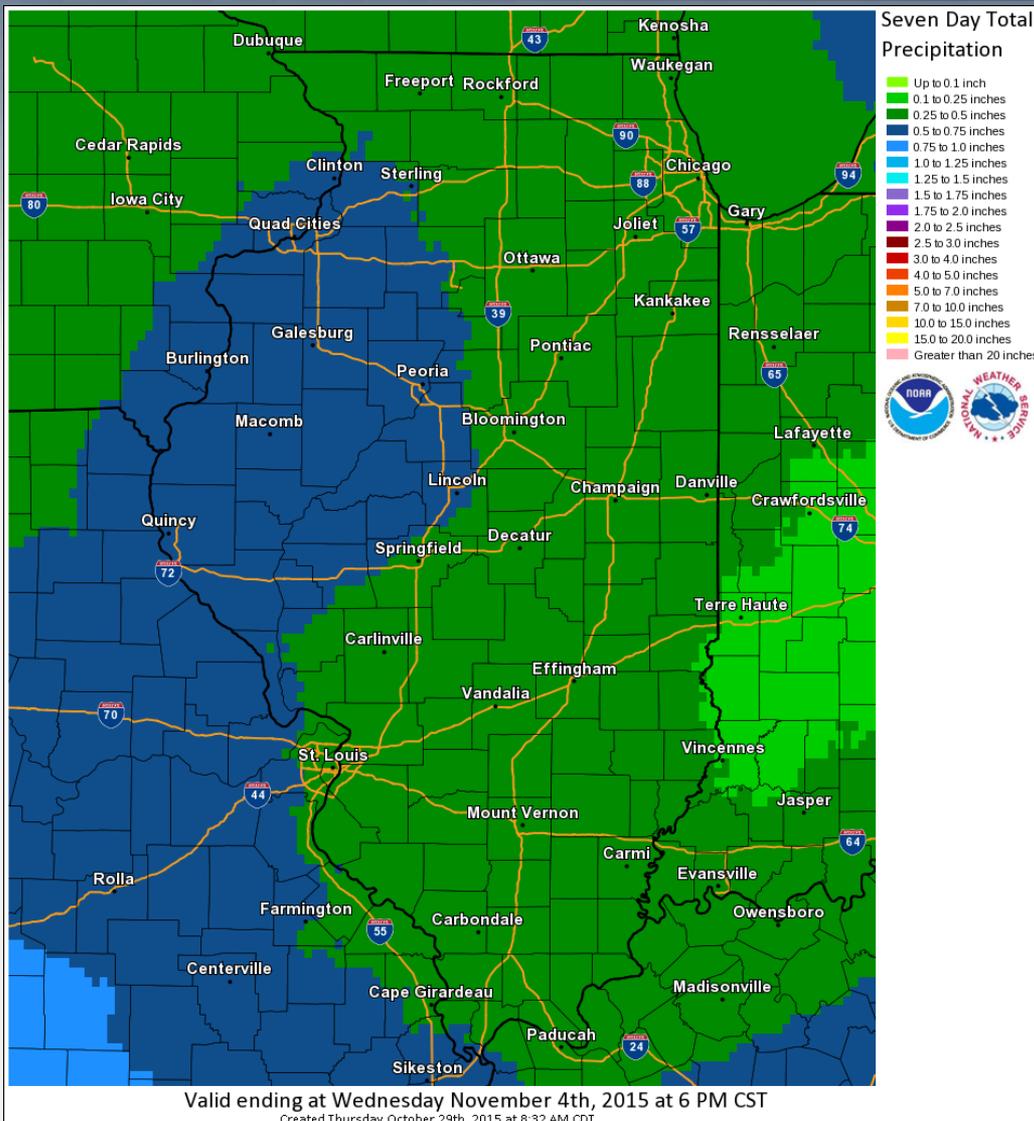
Location	Discharge (CFS)	Long Term Daily Mean Discharge
Illinois River:		
Kingston Mines	5,910	7,230
Valley City	7,750	8,590
Sangamon River:		
Decatur	1.6	3.5
Riverton	115	150
Oakford	550	493
Spoon River:		
London Mills	135	97
Seville	204	150

Location	Observed Stage (ft.)	Normal Stage (ft.)
Clinton Lake	689.94	Not available
Lake Decatur	614.08	Not available
Lake Springfield	558.30	558.11
Lake Shelbyville	599.43	599.7



Central Illinois Drought Update

7-day Precipitation Outlook Through Next Wednesday



- Much of the rain in the forecast is expected Friday night through Saturday
- Highest amounts expected west of I-55, with around $\frac{1}{2}$ inch or so.
- $\frac{1}{4}$ to $\frac{1}{2}$ inch east of I-55, lowest near Indiana border.



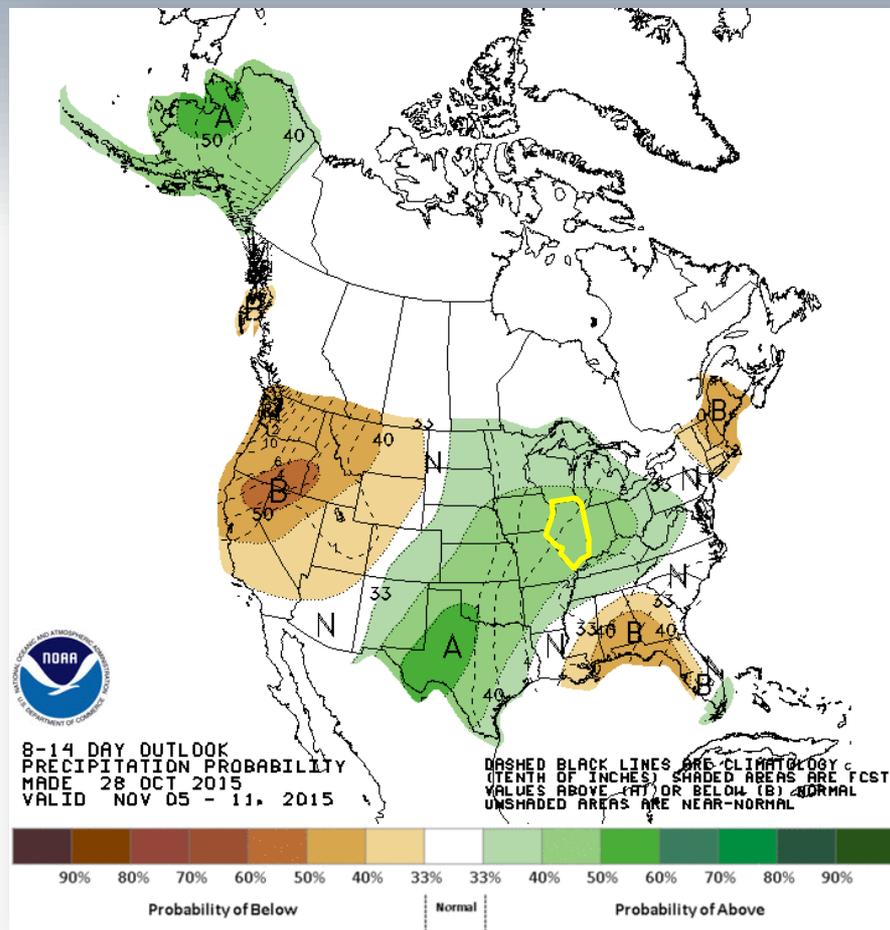
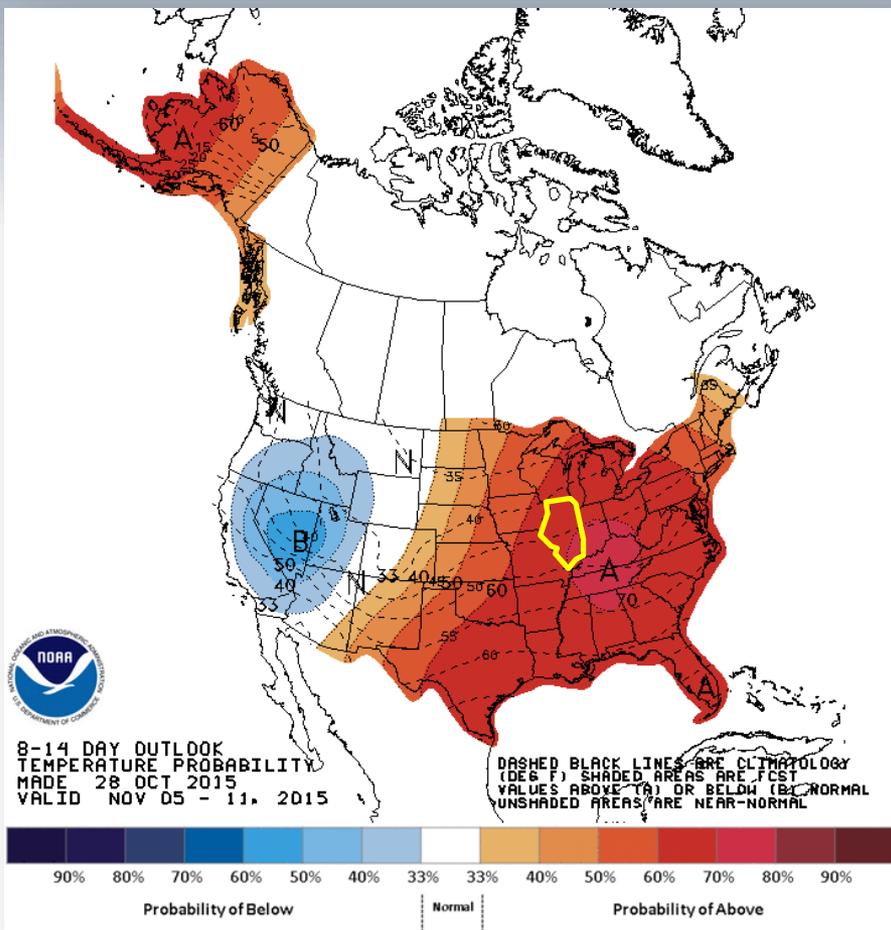


Central Illinois Drought Update

8-14 Day Outlook: November 5-11

Illinois: Temperatures above normal

Illinois: Precipitation above normal



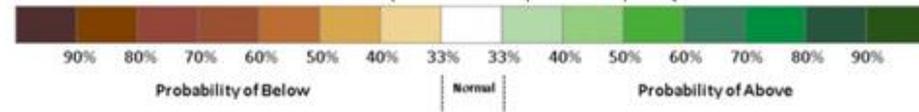
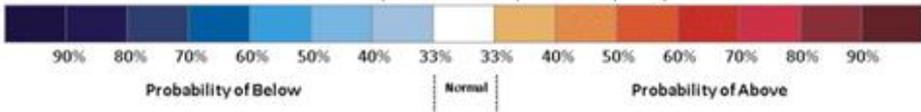
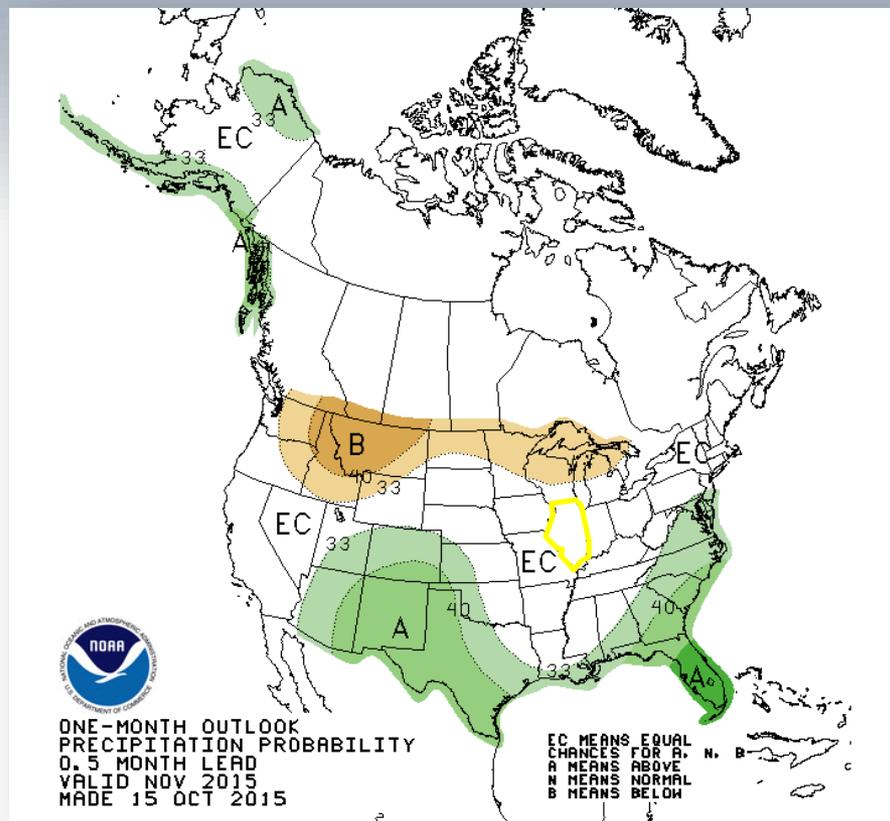
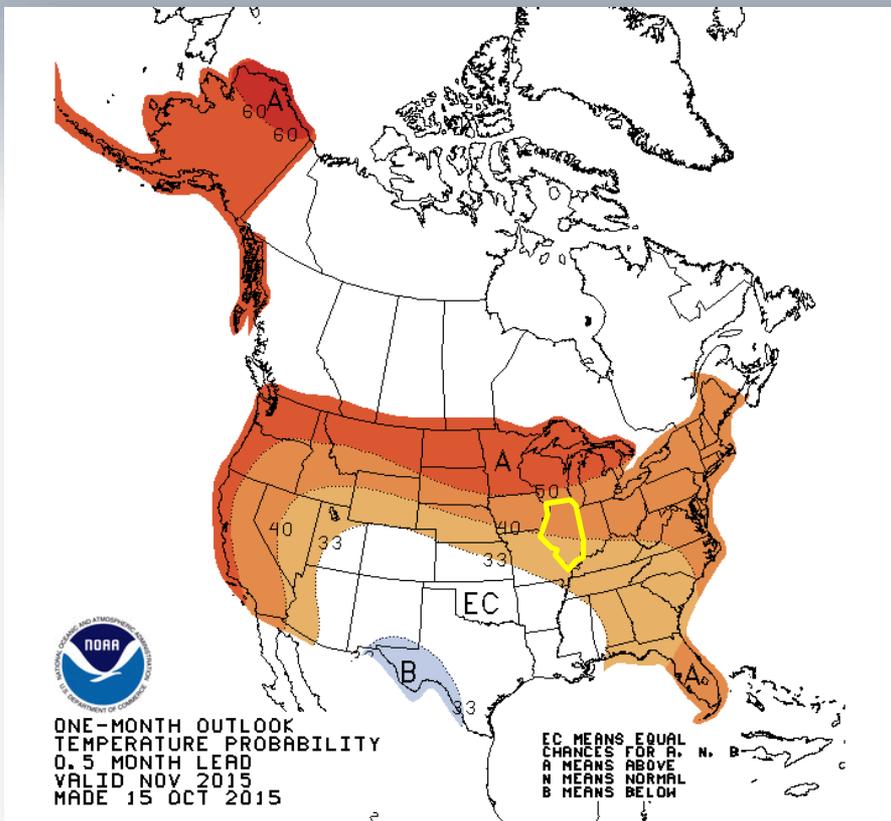


Central Illinois Drought Update

Outlook for November

Temperatures above normal favored

No precipitation trend favored



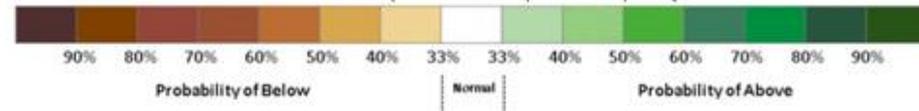
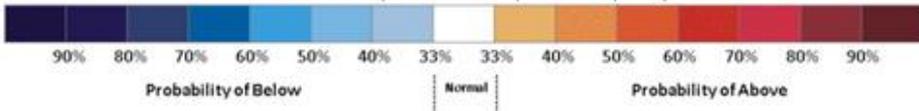
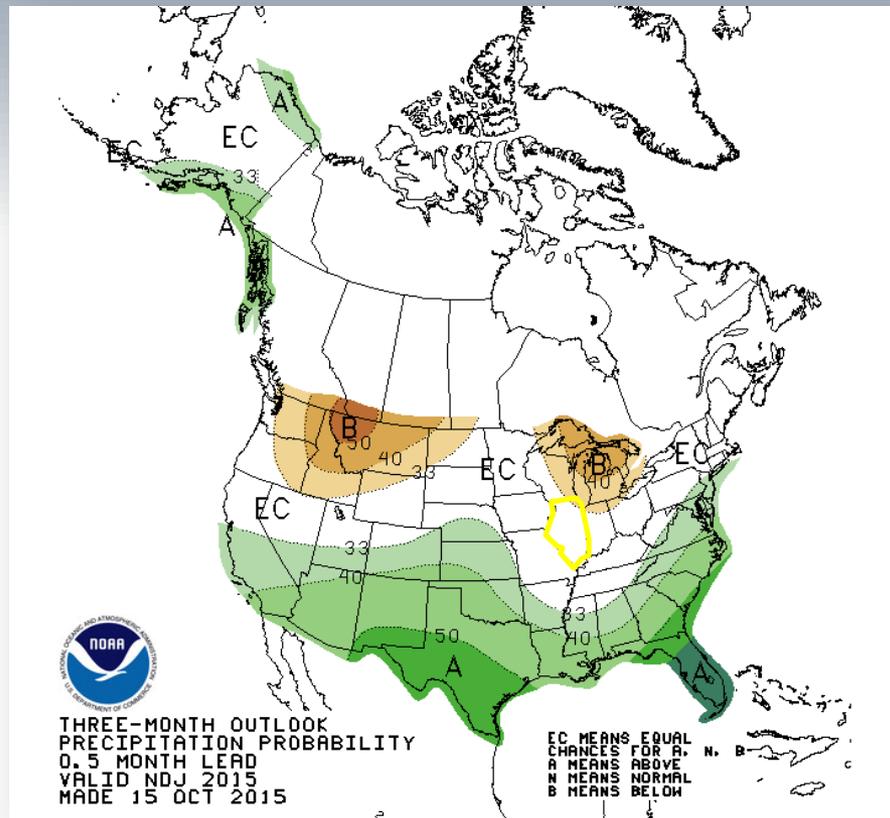
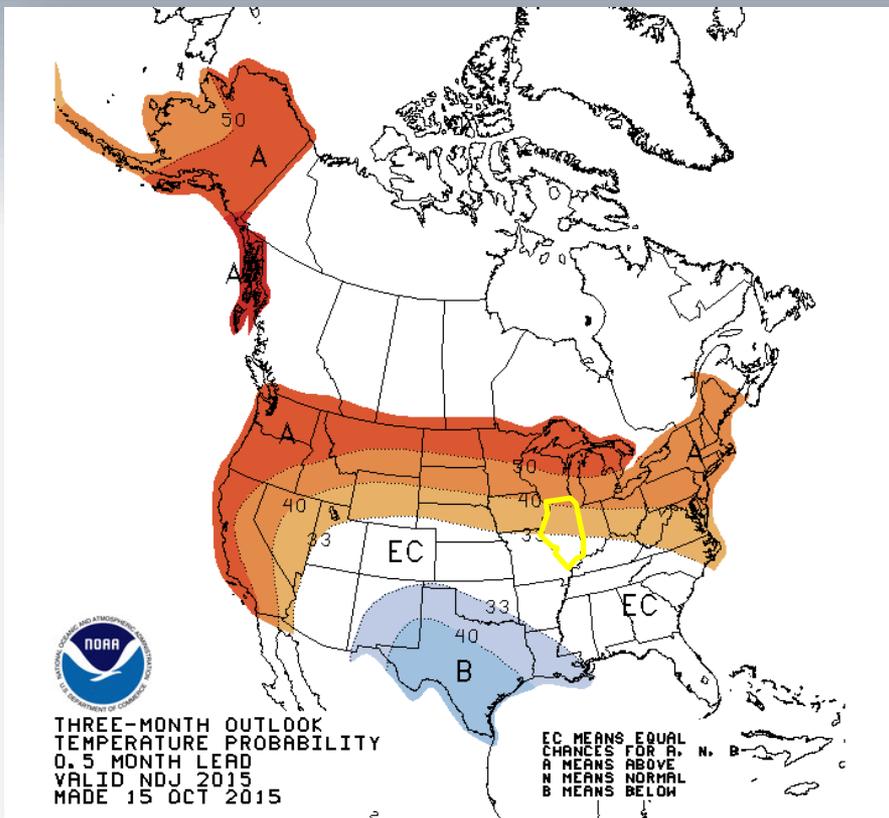


Central Illinois Drought Update

Outlook for November through January

Temperatures: Above normal favored

No precipitation trend favored



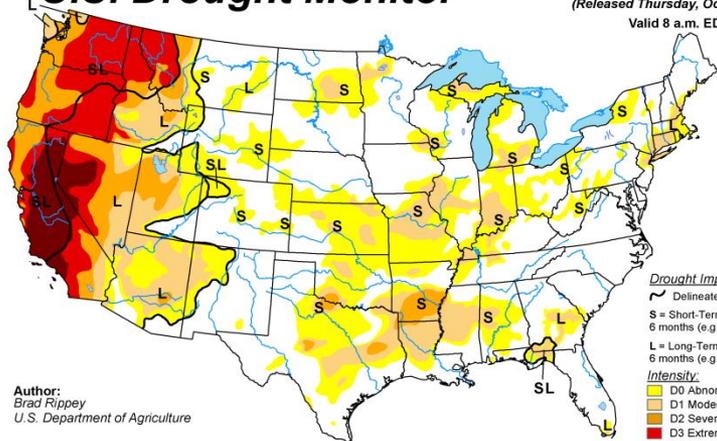


Central Illinois Drought Update

About the Drought Monitor

U.S. Drought Monitor

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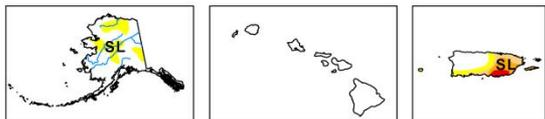


Author:
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U.S. Department of Agriculture

Drought Impact Types:
~ Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought

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USDA
GSP
NOAA
<http://droughtmonitor.unl.edu/>

The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center, the U.S. Department of Agriculture, and the National Oceanic and Atmospheric Administration. Updated maps are issued Thursday mornings at 7:30 am Central time, and incorporate data through the preceding Tuesday. It is based on measurements of climatic, hydrologic, and soil conditions, as well as reported impacts.

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