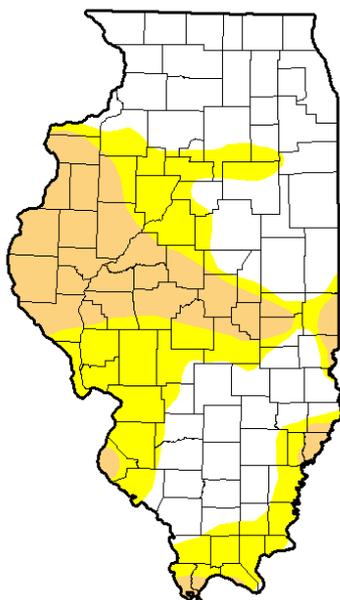




# Central Illinois Drought Update

Thursday, November 05, 2015

## U.S. Drought Monitor Illinois



**November 3, 2015**

(Released Thursday, Nov. 5, 2015)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	49.73	50.27	22.33	0.00	0.00	0.00
<b>Last Week</b> <i>10/27/2015</i>	46.16	53.84	23.89	0.00	0.00	0.00
<b>3 Months Ago</b> <i>08/2/2015</i>	99.67	0.33	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>12/02/2014</i>	99.96	0.14	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> <i>02/29/2015</i>	82.81	17.19	0.00	0.00	0.00	0.00
<b>One Year Ago</b> <i>11/4/2014</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:**

David Miskus  
NOAA/NWS/NCEP/CPC



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



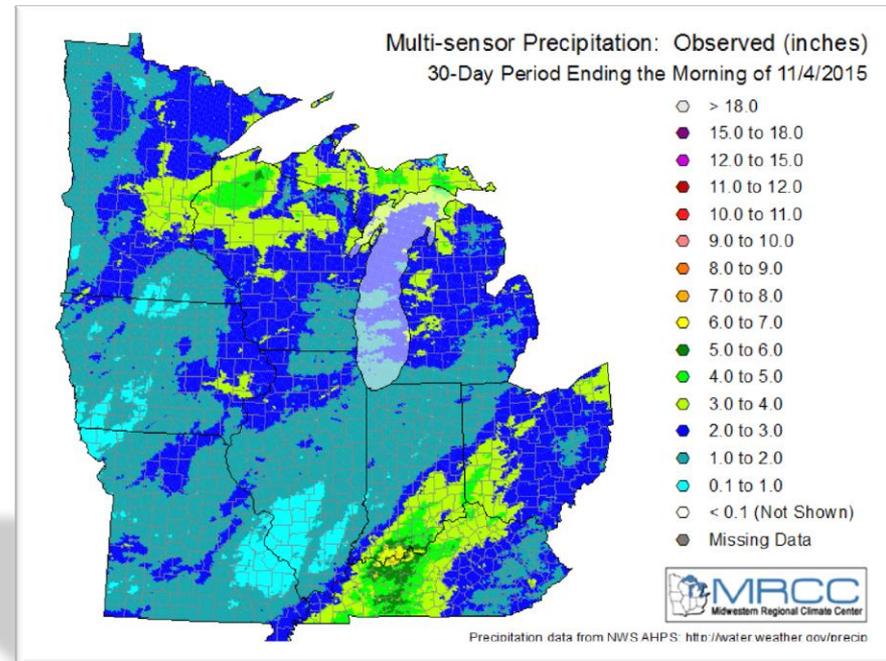
Chris Geelhart, Meteorologist  
National Weather Service, Lincoln IL  
Phone: 217-732-3089  
E-mail: [chris.geelhart@noaa.gov](mailto:chris.geelhart@noaa.gov)



# Central Illinois Drought Update

Latest Summary

- Rainfall amounts of a half to 1 inch have occurred over the last week, in areas north of a Rushville to Bloomington line.
- October generally saw rainfall of 1 to 2 inches.
- However, rainfall since August has been running a few inches below normal, and as much as 5 inches below normal.
- The significant dry spell from August through early October resulted in the development of drought conditions.





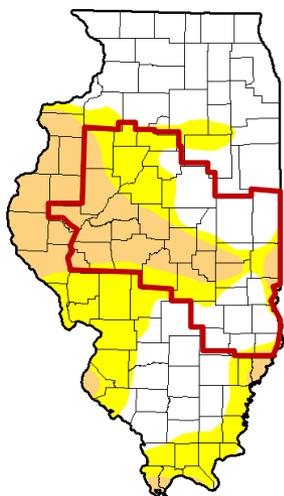
# Central Illinois Drought Update

## 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, Piatt, Shelby, Stark, Tazewell

### U.S. Drought Monitor Illinois



**November 3, 2015**  
(Released Thursday, Nov. 5, 2015)  
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Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	49.73	50.27	22.33	0.00	0.00	0.00
<b>Last Week</b> 10/22/2015	46.16	53.84	23.89	0.00	0.00	0.00
<b>3 Months Ago</b> 8/4/2015	99.67	0.33	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> 1/1/2015	99.86	0.14	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> 9/29/2014	82.81	17.19	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 11/4/2014	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:**  
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Category	Description	Possible Impacts
D0	Abnormally Dry	<p>Going into drought:</p> <ul style="list-style-type: none"> <li>▪ short-term dryness slowing planting, growth of crops or pastures</li> </ul> <p>Coming out of drought:</p> <ul style="list-style-type: none"> <li>▪ some lingering water deficits</li> <li>▪ pastures or crops not fully recovered</li> </ul>
D1	Moderate Drought	<ul style="list-style-type: none"> <li>▪ Some damage to crops, pastures</li> <li>▪ Streams, reservoirs, or wells low, some water shortages developing or imminent</li> <li>▪ Voluntary water-use restrictions requested</li> </ul>
D2	Severe Drought	<ul style="list-style-type: none"> <li>▪ Crop or pasture losses likely</li> <li>▪ Water shortages common</li> <li>▪ Water restrictions imposed</li> </ul>
D3	Extreme Drought	<ul style="list-style-type: none"> <li>▪ Major crop/pasture losses</li> <li>▪ Widespread water shortages or restrictions</li> </ul>
D4	Exceptional Drought	<ul style="list-style-type: none"> <li>▪ Exceptional and widespread crop/pasture losses</li> <li>▪ Shortages of water in reservoirs, streams, and wells creating water emergencies</li> </ul>





# Central Illinois Drought Update

## Agricultural Impacts

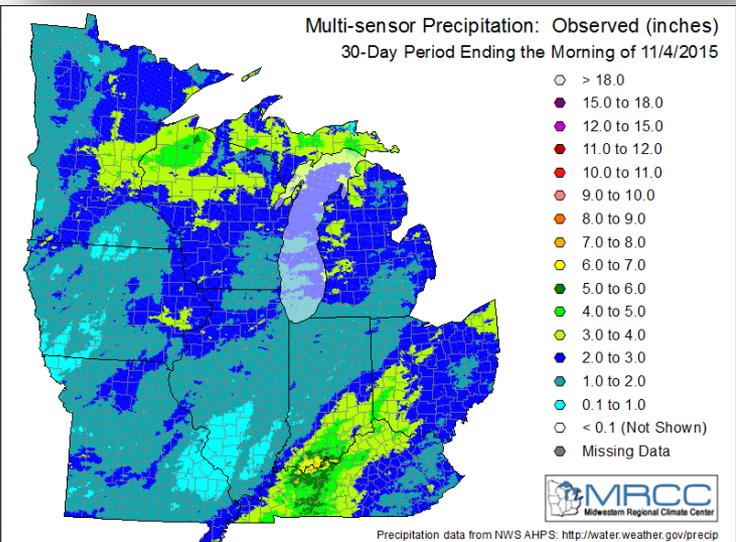
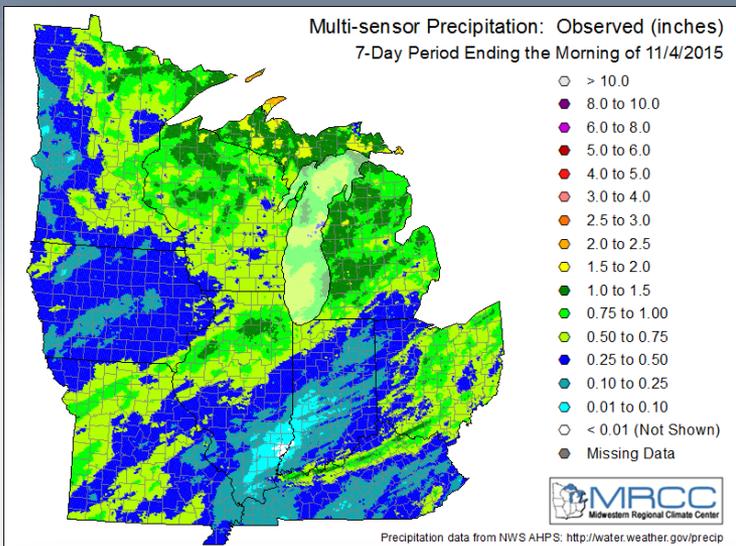
- **Crop harvest is nearly complete (96% of the corn and 96% of the soybeans have been harvested statewide).**
- **With most of the winter wheat now planted (89% statewide), additional moisture is needed, and to make sure there are enough moisture reserves for spring planting activities.**
- **According to the November 2 report from the National Agricultural Statistics Service, the recent rainfall has helped with topsoil moisture, but the subsoil is still quite dry.**
  - **Topsoil moisture is 59% short or very short in west central Illinois, up from 93% last week.**
  - **83% of subsoil moisture is considered short or very short, the same as last week.**





# Central Illinois Drought Update

Climate Summary (including observations through Nov. 4)



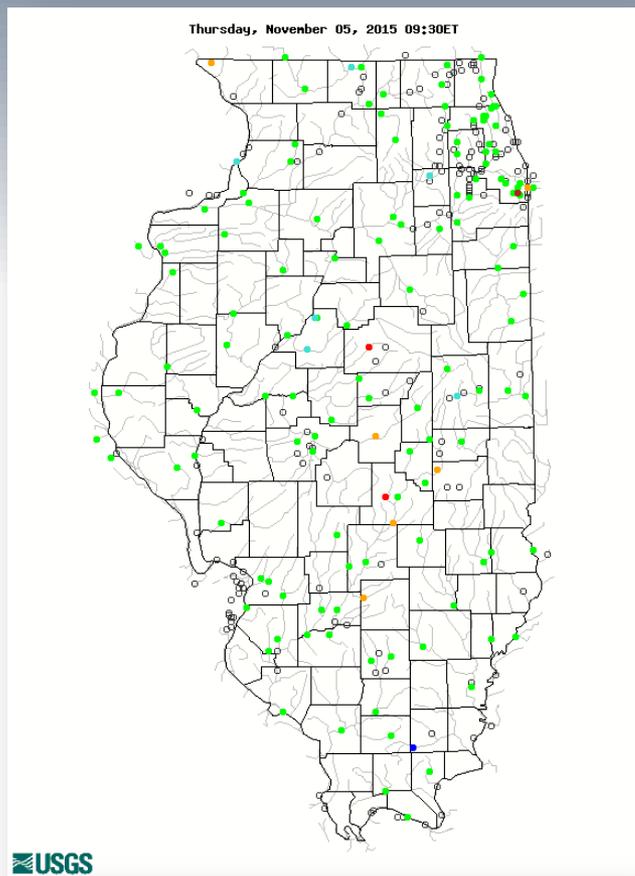
Location	Precipitation Since 8/1 * (vs normal)	Precipitation in November (inches)
Charleston	5.19 (-5.25)	0.15
Decatur	5.46 (-5.21)	0.18
Galesburg	6.70 (-3.89)	0.75
Havana	5.74 (-4.65)	0.45
Jacksonville	5.93 (-4.50)	0.22
Lincoln	7.40 (-3.24)	Zero
Normal	8.64 (-2.03)	0.64
Paris	5.83 (-5.13)	0.10
Peoria	7.29 (-2.36)	Zero
Springfield	7.33 (-2.37)	Zero

*\* - Statistics corrected from recent updates*



# 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

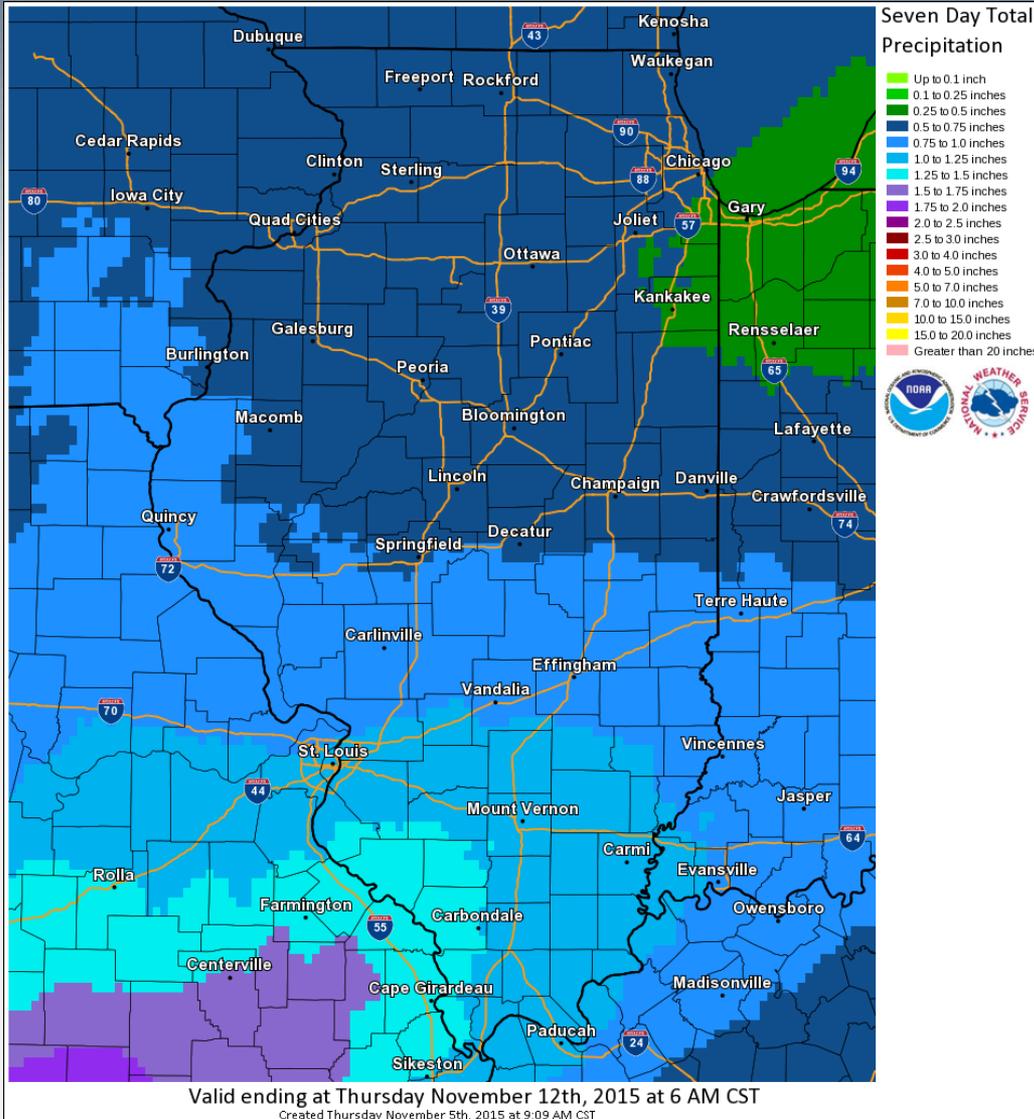
Location	Discharge (CFS)	Long Term Daily Mean Discharge
<b>Illinois River:</b>		
Kingston Mines	11,100	7,330
Valley City	11,500	10,000
<b>Sangamon River:</b>		
Decatur	1.8	9.6
Riverton	102	192
Oakford	606	553
<b>Spoon River:</b>		
London Mills	176	163
Seville	299	206

Location	Observed Stage (ft.)	Normal Stage (ft.)
Clinton Lake	690.07	Not available
Lake Decatur	614.16	613.0
Lake Springfield	558.18	557.93
Lake Shelbyville	599.40	599.7



# Central Illinois Drought Update

## 7-day Precipitation Outlook Through Next Wednesday



- Rainfall of 1/3 to 2/3 inch is expected through early Friday, November 5
- Additional rainfall is expected around the middle of next week



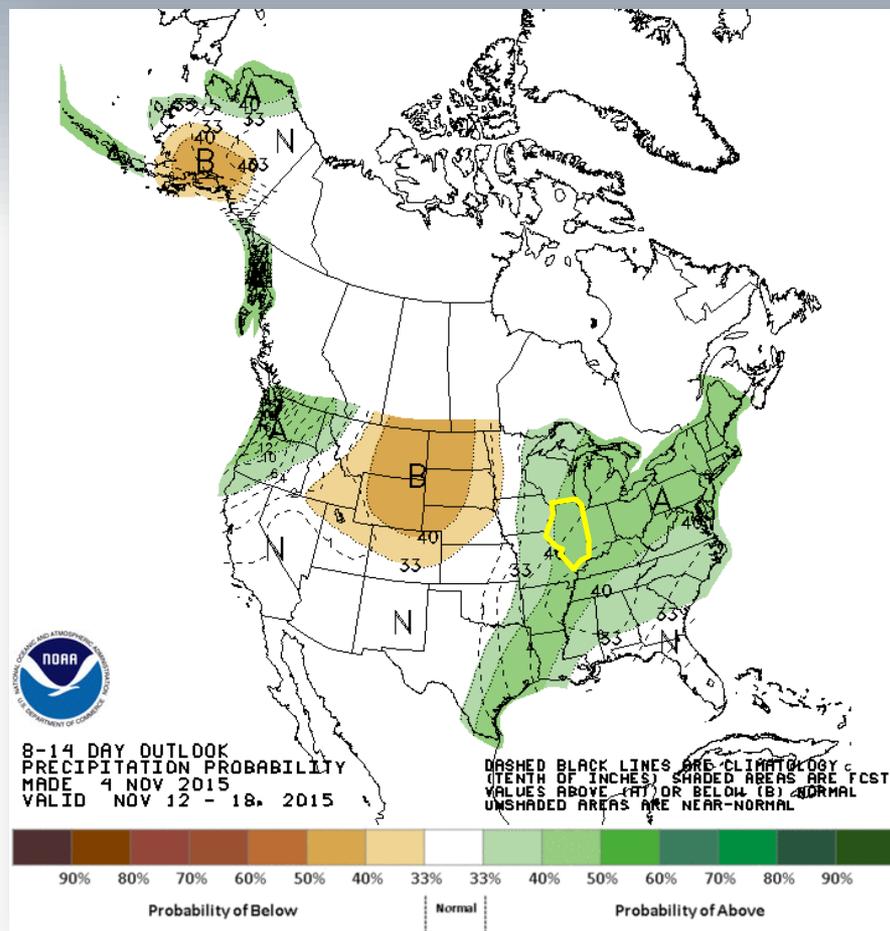
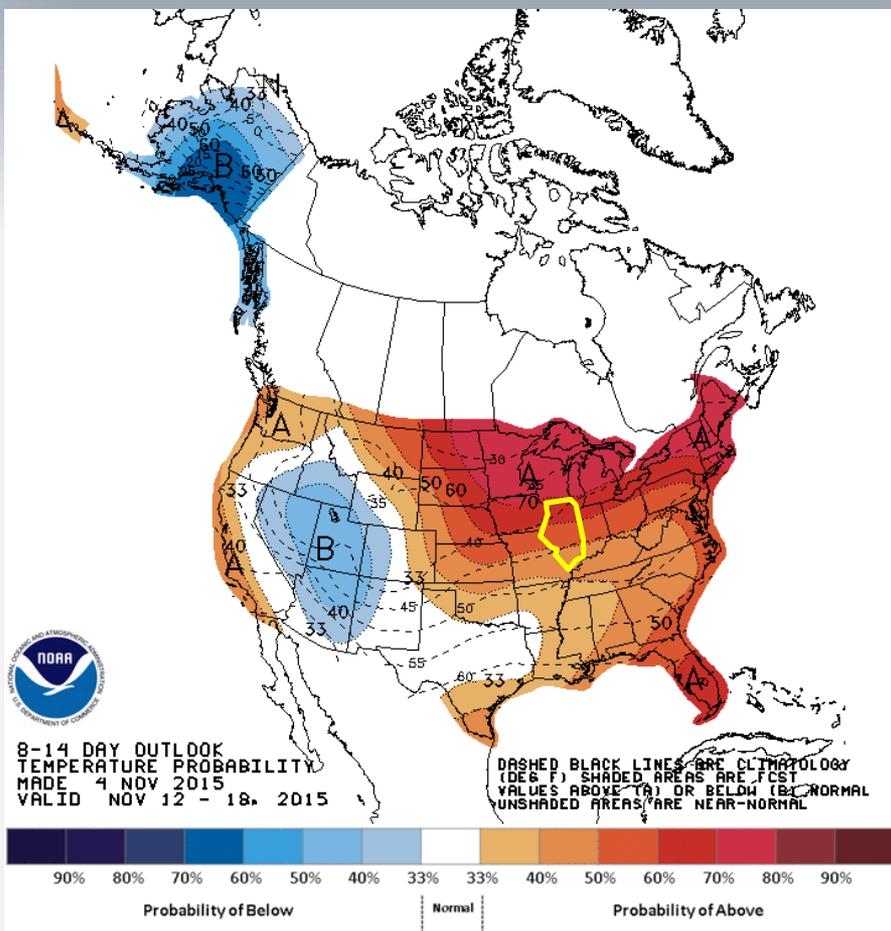


# Central Illinois Drought Update

8-14 Day Outlook: November 12-18

## Illinois: Temperatures above normal

## Illinois: Precipitation above normal



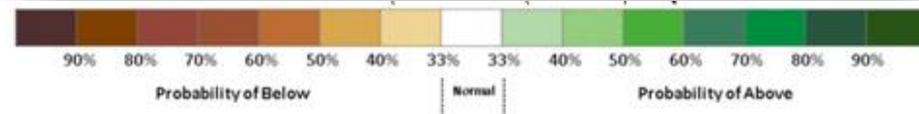
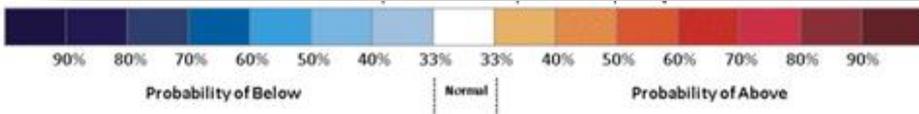
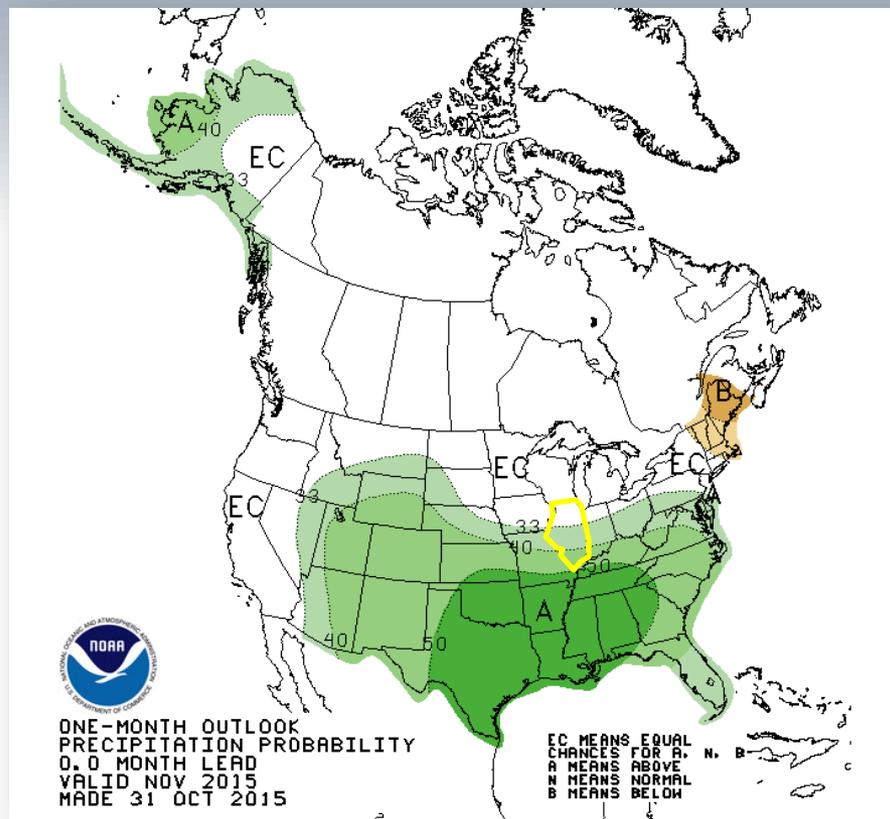
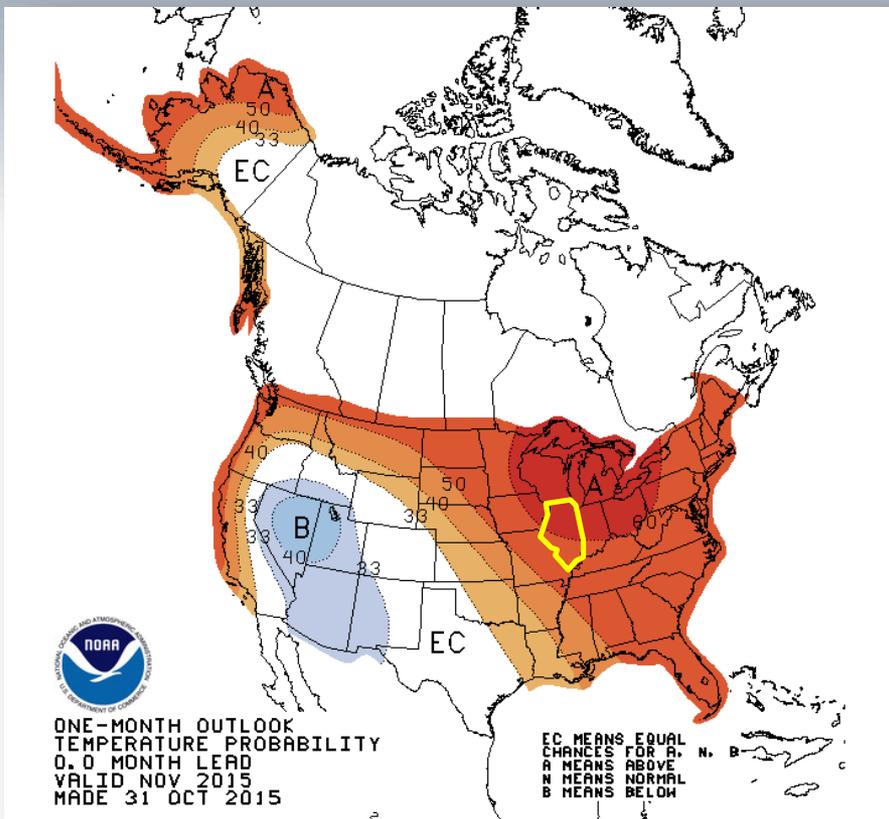


# Central Illinois Drought Update

## Outlook for November

### Temperatures above normal favored

### Precipitation above normal favored



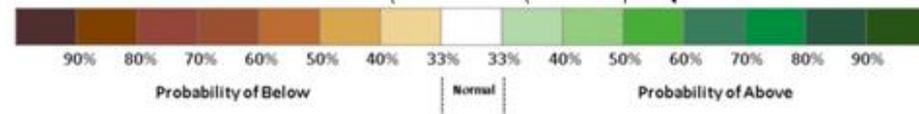
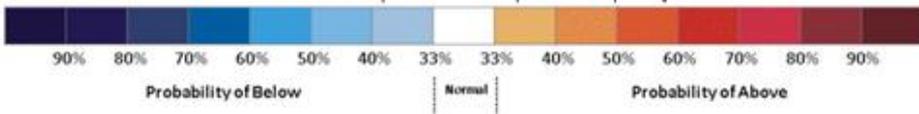
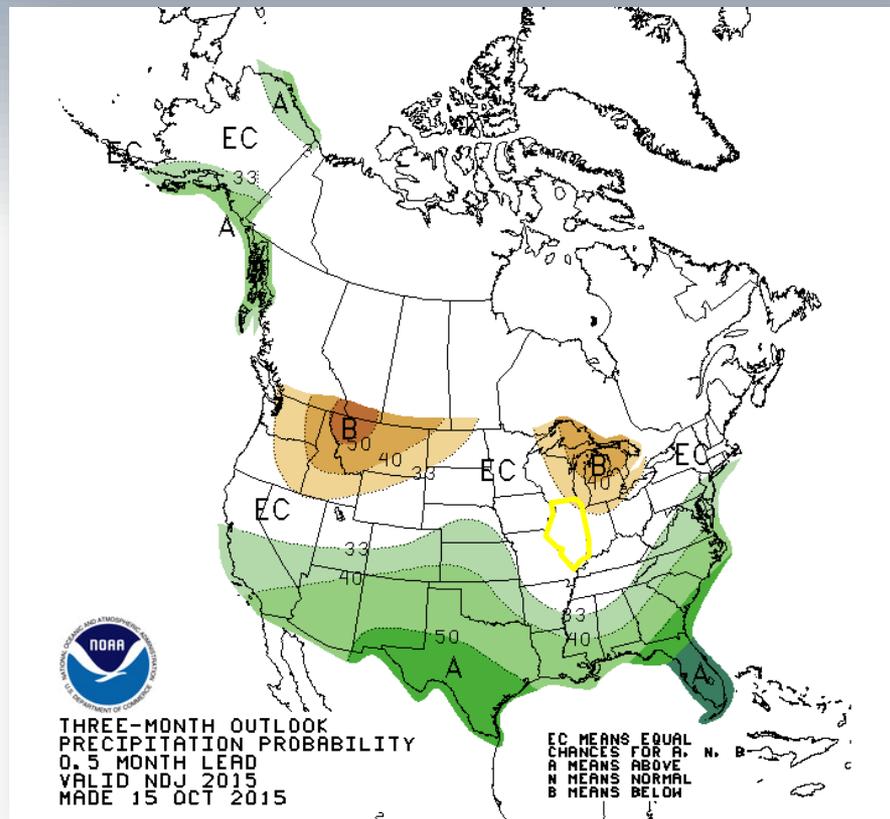
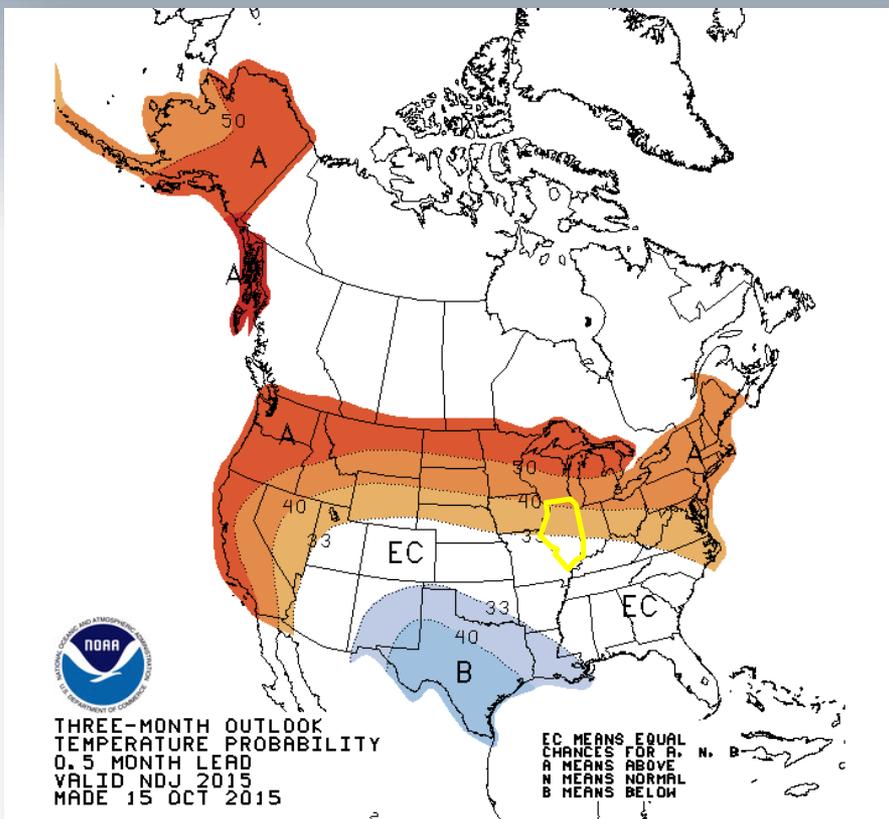


# Central Illinois Drought Update

## Outlook for November through January

### Temperatures: Above normal favored

### No precipitation trend favored



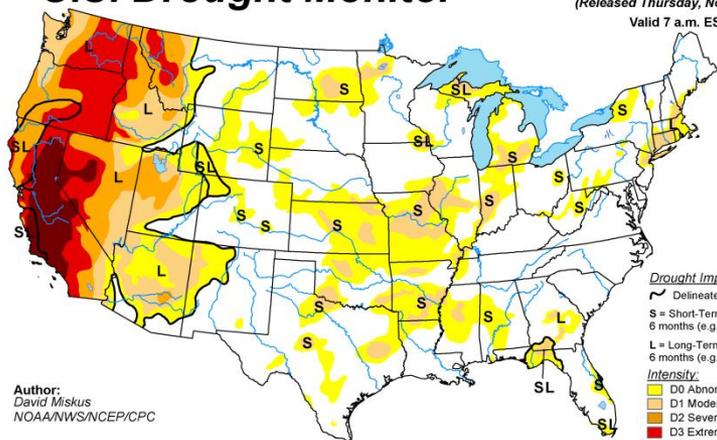


# Central Illinois Drought Update

## About the Drought Monitor

### U.S. Drought Monitor

November 3, 2015  
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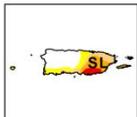


Author:  
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**Drought Impact Types:**  
~ Delineates dominant impacts  
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)  
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

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

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



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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.

<http://droughtmonitor.unl.edu>



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Thursday, November 05, 2015