# Central Region Drought Outlook – August 2, 2012

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West of Champaign, IL, in early July









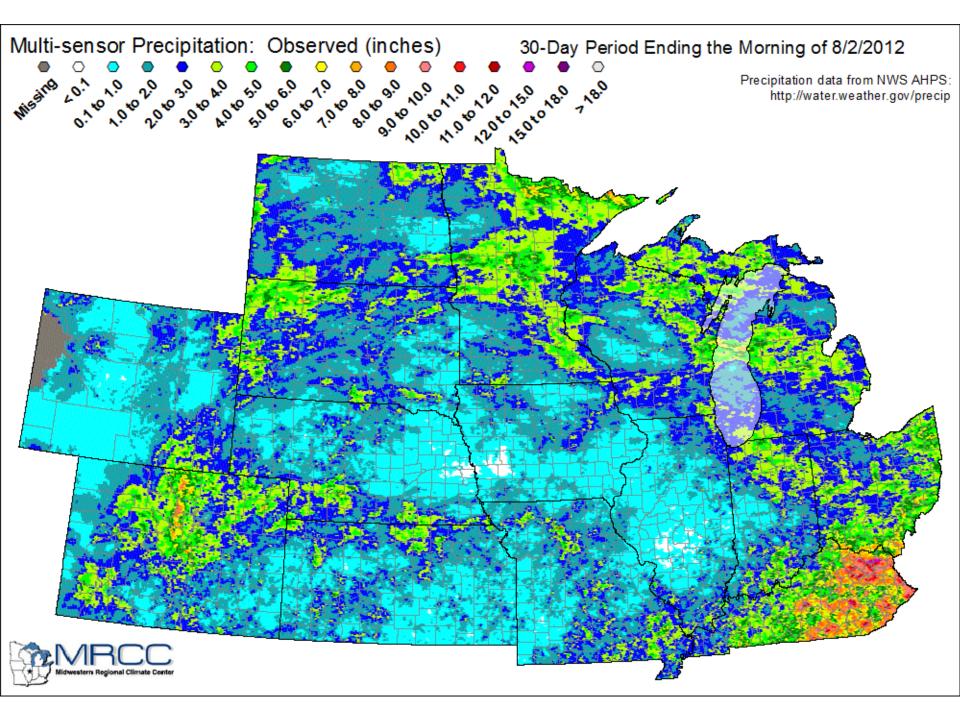


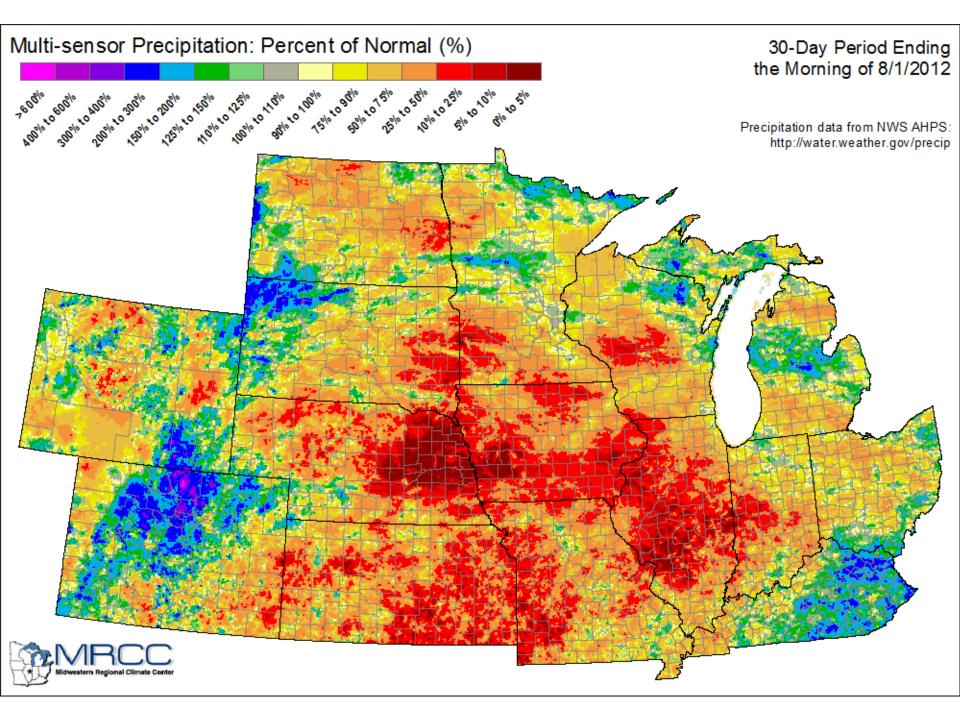
# \* Providing climate services to the Central Region

- - Collaboration with Jim Angel (Illinois State Climatologist), Brad Rippey (USDA), Doug Kluck (NOAA - RCSD) and John Eise (Climate Service Program Manager), State Climatologists and the Midwest Regional Climate Center, High Plains Regional Climate Center, NOAAs Climate Prediction Center, Iowa State University, National Drought Mitigation Center
- Next Climate/Drought Outlook Webinar August 16
- Access to Climate/Drought Webinars and information
- http://mrcc.isws.illinois.edu/webinars.htm
- \* http://www.hprcc.unl.edu
- Operator Assistance for questions at the end

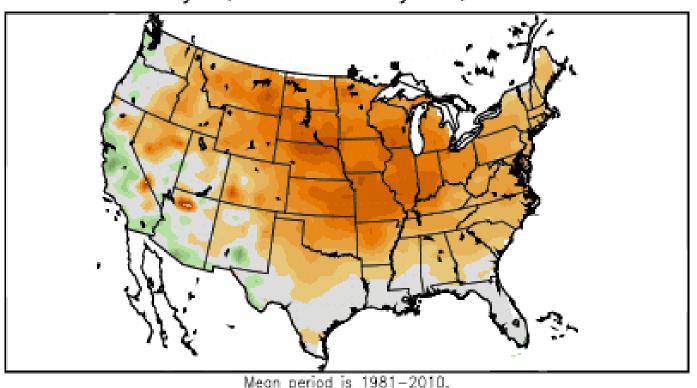
# Agenda

- \* Current Conditions
- \* Outlooks
- \* Drought Impacts
- \* Questions/Comments

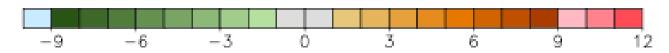




# Average Temperature (°F): Departure from Mean July 1, 2012 to July 31, 2012

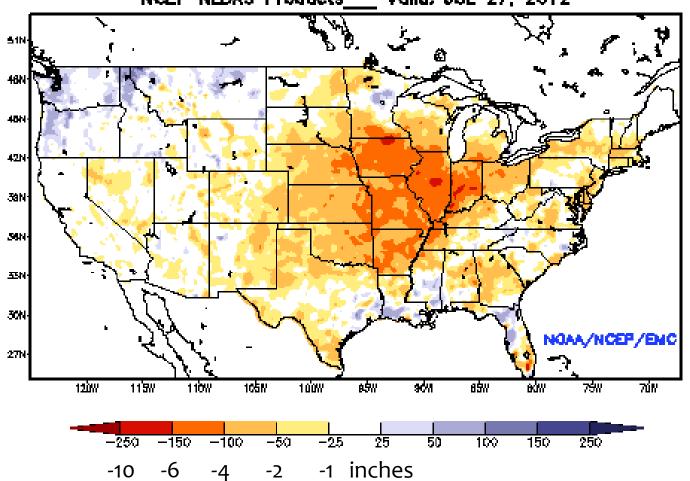


Mean period is 1981-2010.



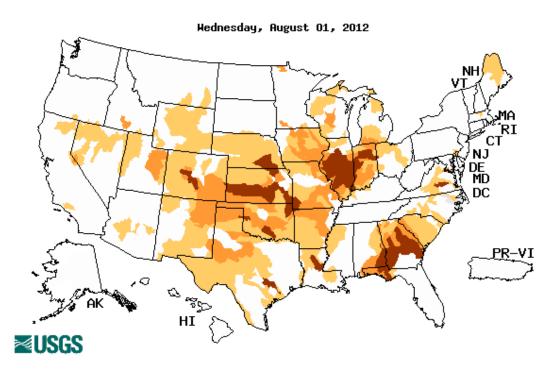
Midwestern Regional Climate Center Illinois State Water Survey, Prairie Research Institute University of Illinois at Urbana-Champaign

Ensemble-Mean - Current Total Column Soil Moisture Anomaly (mm) NCEP NLDAS Products\_\_\_\_ Valid: JUL 27, 2012



Map of below normal 7-day average streamflow compared to historical streamflow for the day of year (United States)





Choose a data retrieval option and select a state on the map

State DroughtWatch, State map

Explanation - Percentile classes						
Low	<=5	6-9	10-24	Insufficient data for a hydrologic		
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal	region		

# U.S. Drought Monitor

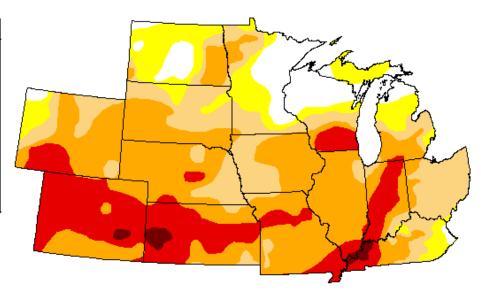
July 17, 2012

Valid 7 a.m. EST

### **Central Region**

#### Drought Conditions (Percent Area)

	None	D0 - D4	D1 - D4	D2 - D4	D3 - D4	D4
Current	8.75	91.25	79.36	58.39	20.06	1.10
Last Week (7/10/2012)	11.36	88.64	73.71	44.42	14.03	0.72
3 Months Ago (4/17/2012)	51.63	48.37	20.39	5.92	0.00	0.00
1 Year Ago (7/12/2011)	88.99	11.01	7.39	5.62	3.14	0.93



#### Intensity:



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









# U.S. Drought Monitor

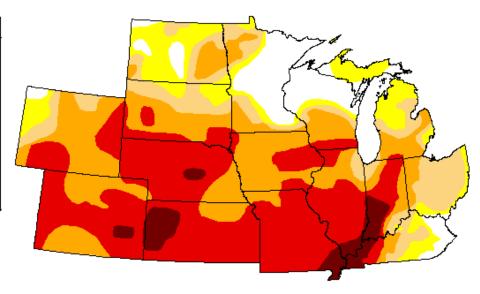
July 31, 2012

Valid 7 a.m. EST

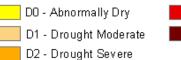
### **Central Region**

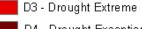
#### Drought Conditions (Percent Area)

	None	D0 - D4	D1 - D4	D2 - D4	D3 - D4	D4
Current	9.71	90.29	79.17	66.45	40.12	4.48
Last Week (7/24/2012)	7.67	92.33	80.28	66.37	36.80	3.41
3 Months Ago (5/1/2012)	56.92	43.08	14.91	5.89	0.00	0.00
1 Year Ago (7/26/2011)	79.44	20.56	8.09	6.05	3.35	1.17



#### Intensity:





D4 - Drought Exceptional

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

http://droughtmonitor.unl.edu







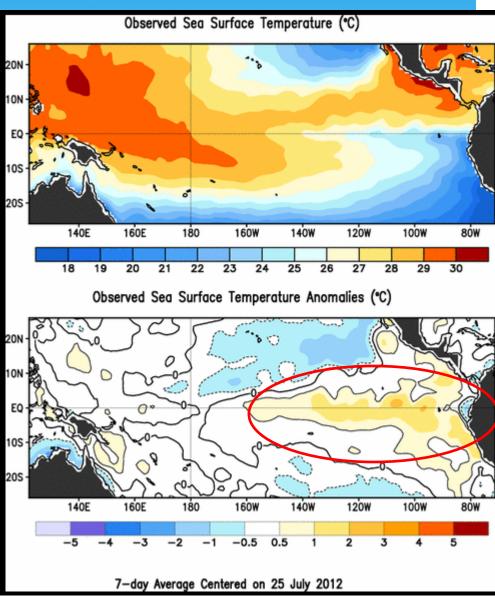


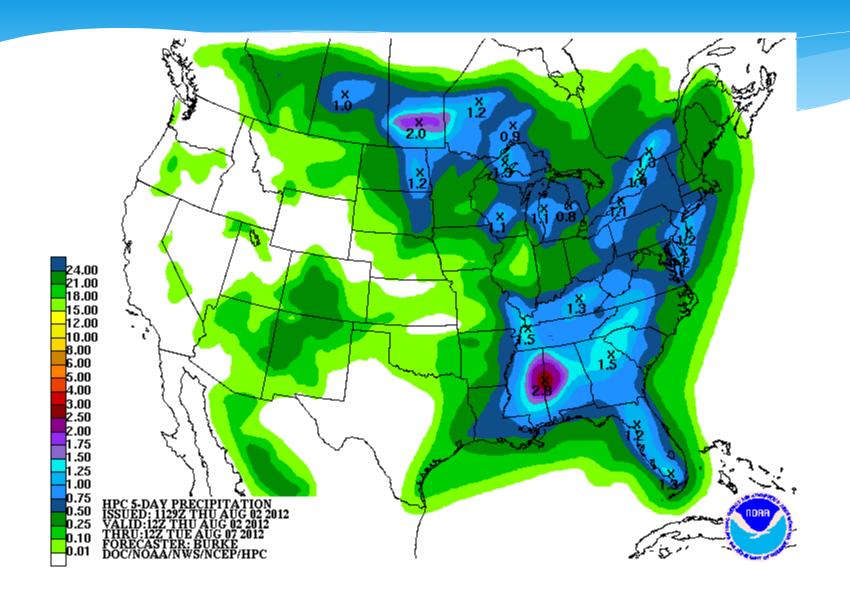
# Climate Outlooks

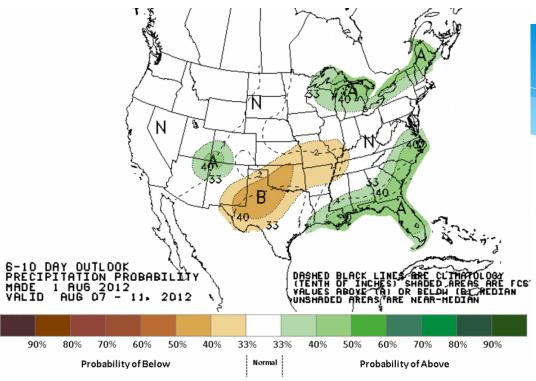
\* www.cpc.ncep.noaa.gov

# El Niño

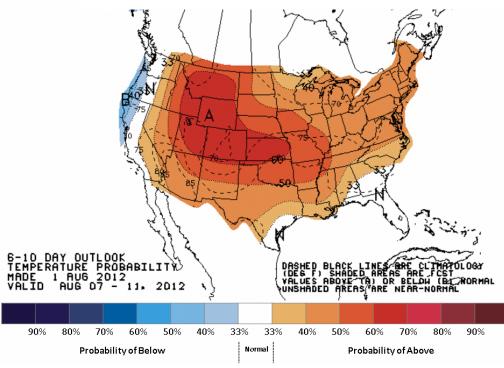
\* Chances increase for El Niño beginning in July-September 2012, according to CPC.

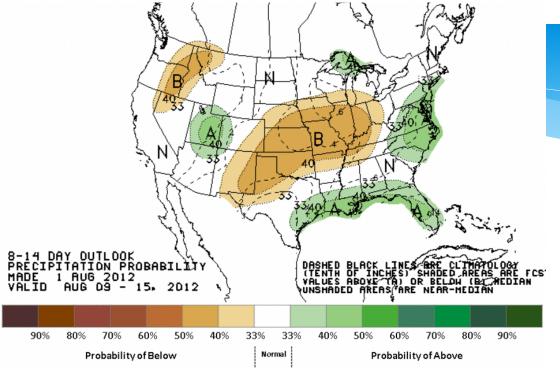




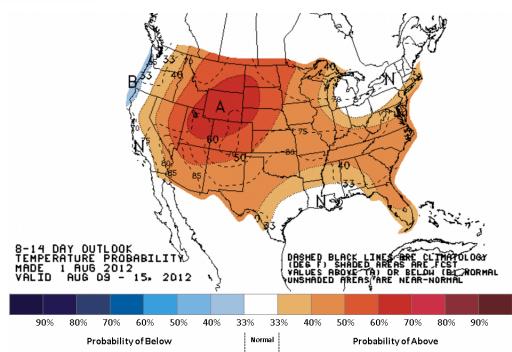


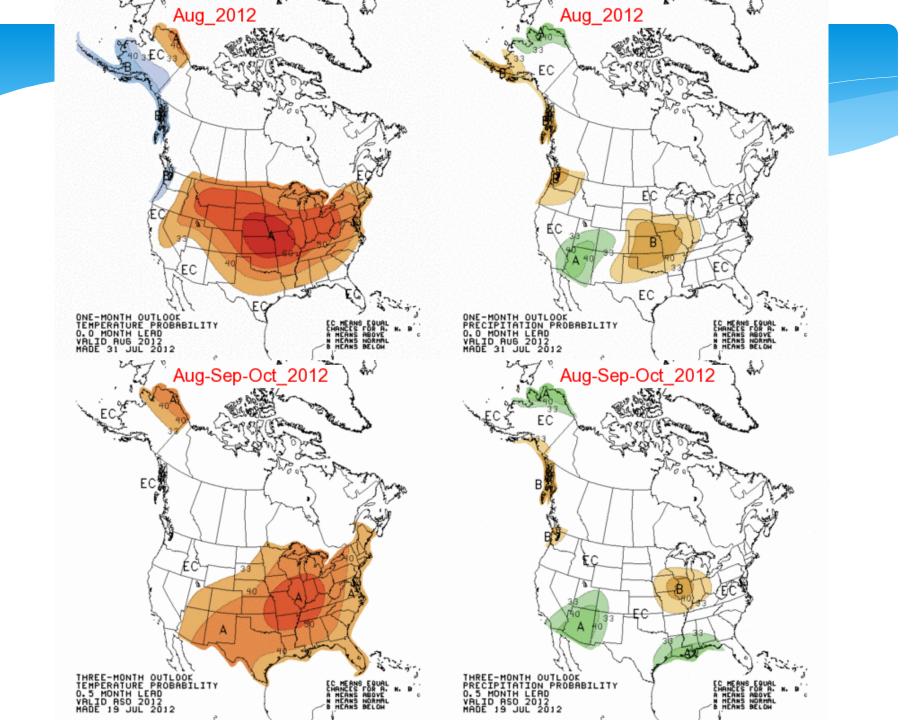
## 6-10 Day Forecast





## 8-14 Day Forecast





# Key Points

- \* Within the drought region, July was especially warm and dry.
- \* Impacts are seen in soil moisture, stream flows, crops, pasture, pond and lake levels.
- \* The outlook for August is grim with expectations of the hot, dry weather continuing.

# **Further Information**

#### **Today's Recorded Presentation:**

- http://mrcc.isws.illinois.edu/webinars.htm
   http://www.hprcc.unl.edu
- NOAA's National Climatic Data Center: <u>www.ncdc.noaa.gov</u>
  - ➤ Monthly climate reports (U.S. & Global): <u>www.ncdc.noaa.gov/sotc/</u>
- NOAA's Climate Prediction Center: www.cpc.ncep.noaa.gov
- Climate Portal: <u>www.climate.gov</u>
- U.S. Drought Monitor: <a href="https://www.droughtmonitor.unl.edu">www.droughtmonitor.unl.edu</a>
- National Drought Mitigation Center: <u>www.drought.unl.edu</u>
- Drought Impact Reporter: <u>www.droughtreporter.unl.edu</u>
- NIDIS Drought Portal: <u>www.drought.gov</u>
- State climatologists
  - http://www.stateclimate.org
- Regional climate centers
  - http://mrcc.isws.illinois.edu
  - http://www.hprcc.unl.edu

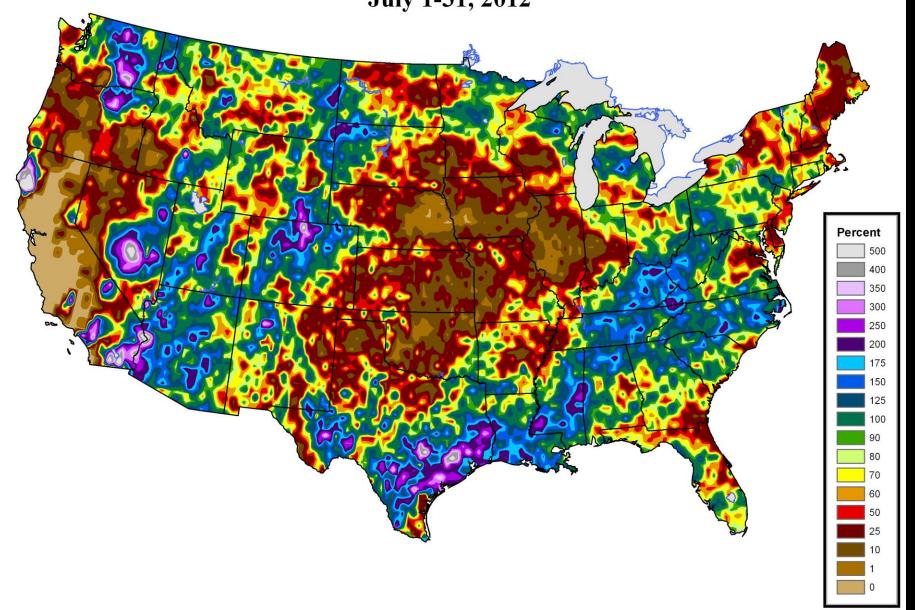
# Thank You and Questions?

- \* Questions:
  - \* Climate:
  - \* Jim Angel: jimangel@illinois.edu, 217-333-0729
  - \* Brad Rippey: brippey@oce.usda.gov, 202-720-2397
  - \* John Eise: john.eise@noaa.gov, 816-268-3144
  - \* Brian Fuchs, National Drought Mitigation Center
  - Chris Anderson, Iowa State University
  - \* Weather:
  - \* crhroc@noaa.gov
  - \* Next Webinar: August 16, 2012

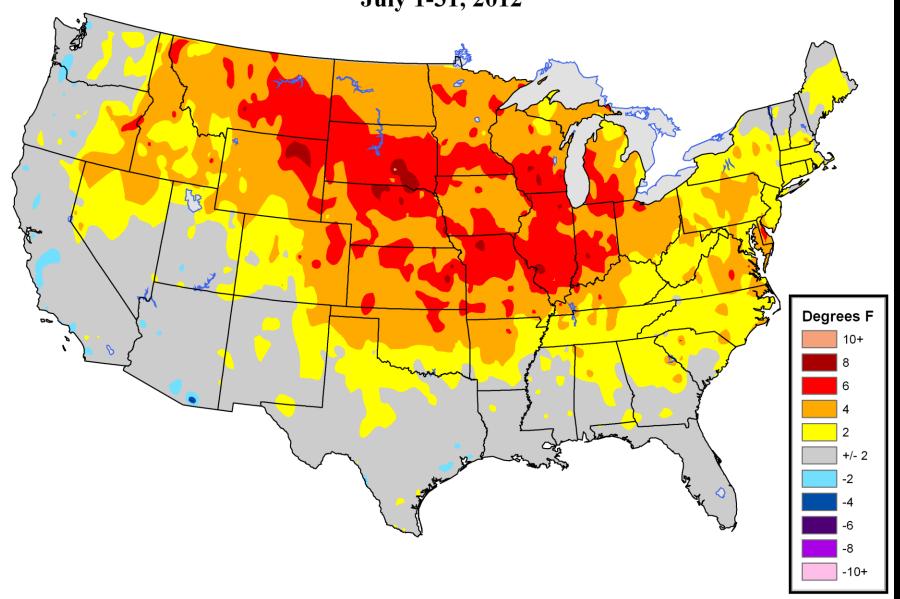


Midwest and Great Plains Drought Update, August 2, 2012

# Percent of Normal Rainfall July 1-31, 2012

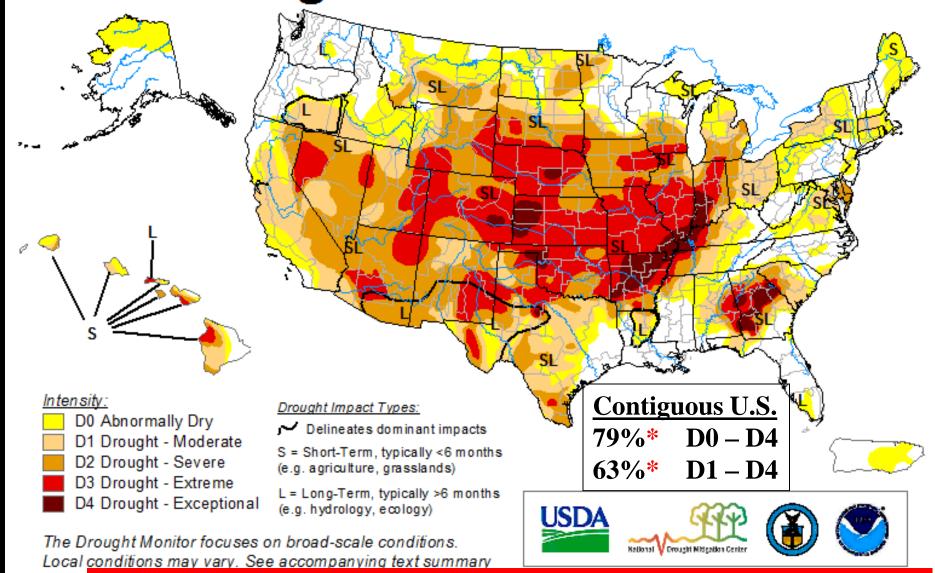


# Temperature Departure July 1-31, 2012



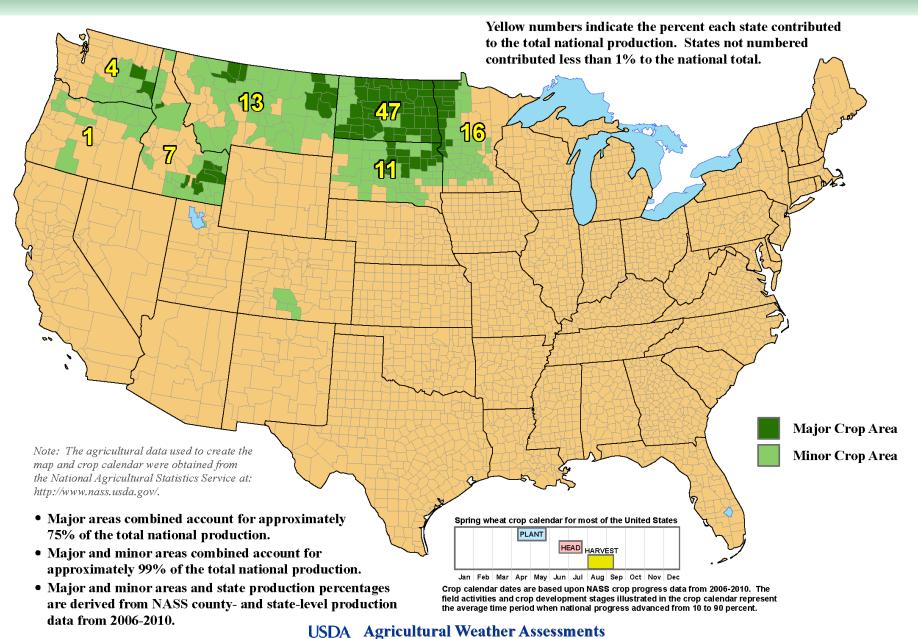
U.S. Drought Monitor

July 31, 2012



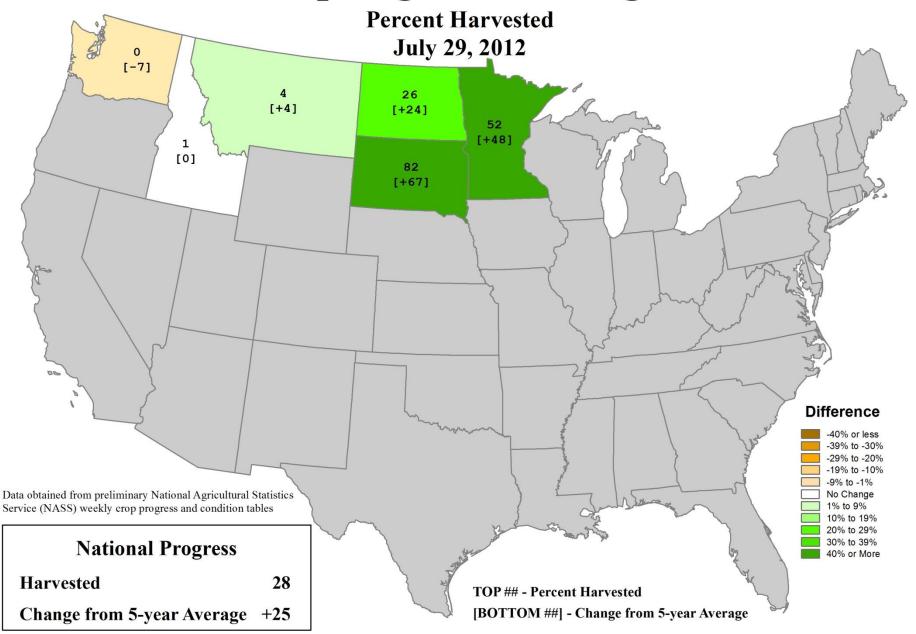
for for \* Greatest contiguous U.S. coverage of D0 – D4; was 72% in Jul. 2002 \* Greatest contiguous U.S. coverage of D1 – D4; was 55% in Aug. 2003

### United States: Spring Wheat (excluding durum)

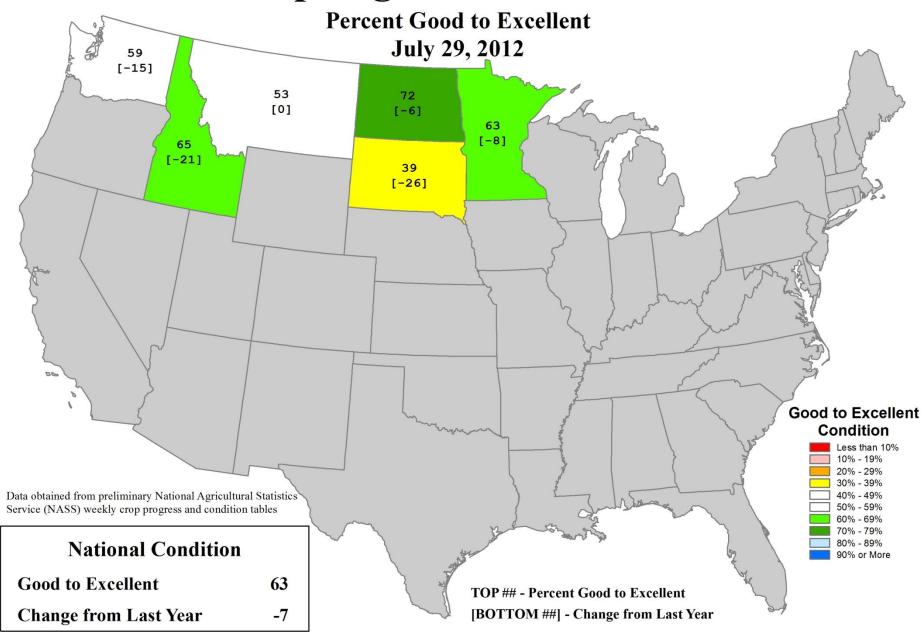


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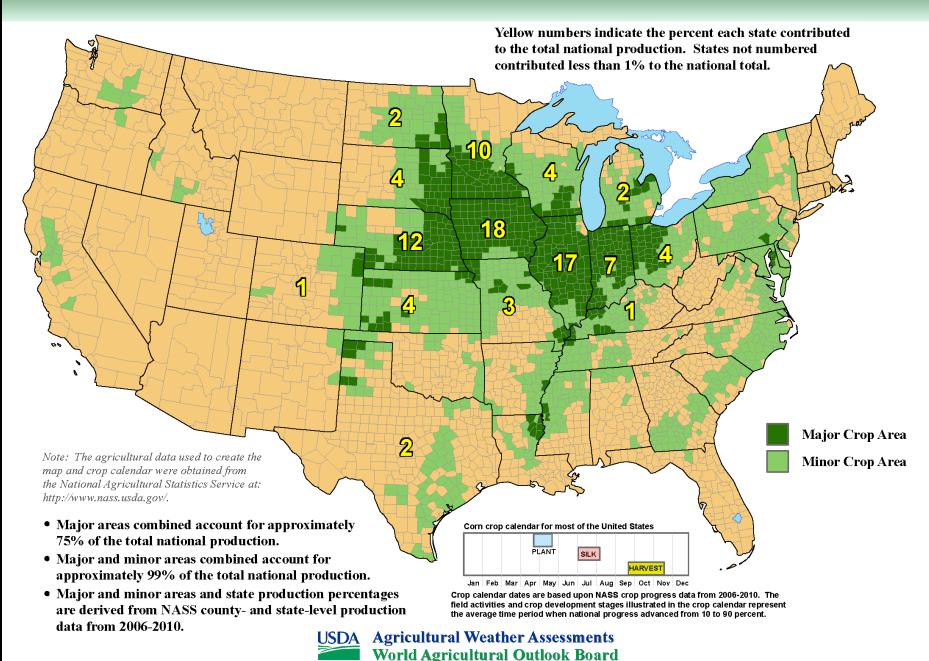
## **U.S. Spring Wheat Progress**



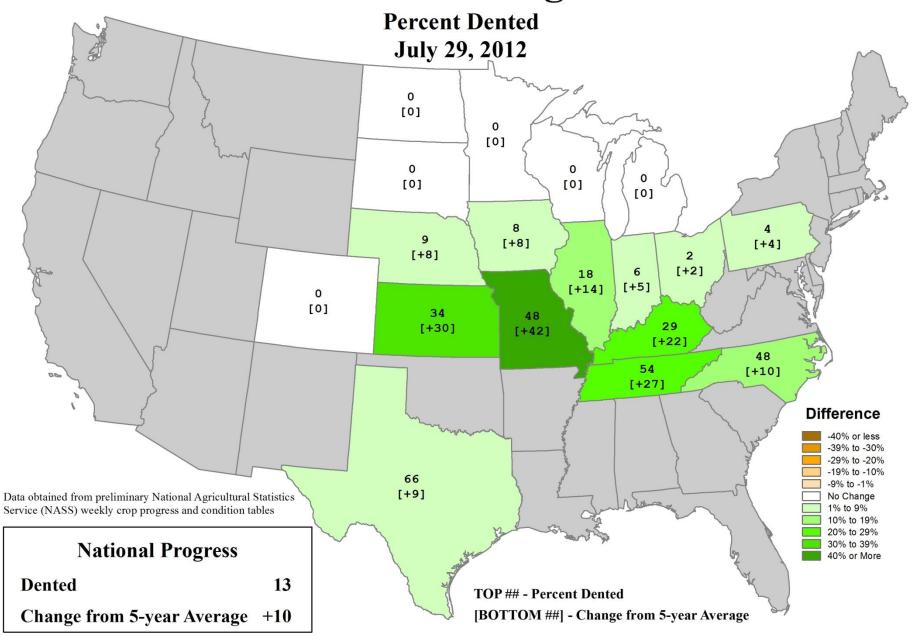
## **U.S. Spring Wheat Conditions**



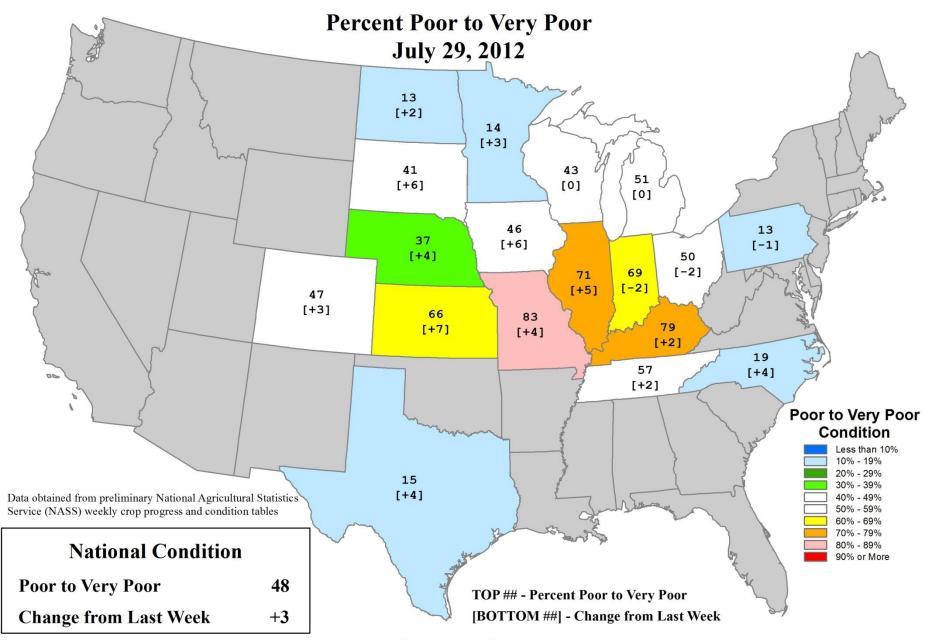
### **United States: Corn**



## **U.S. Corn Progress**



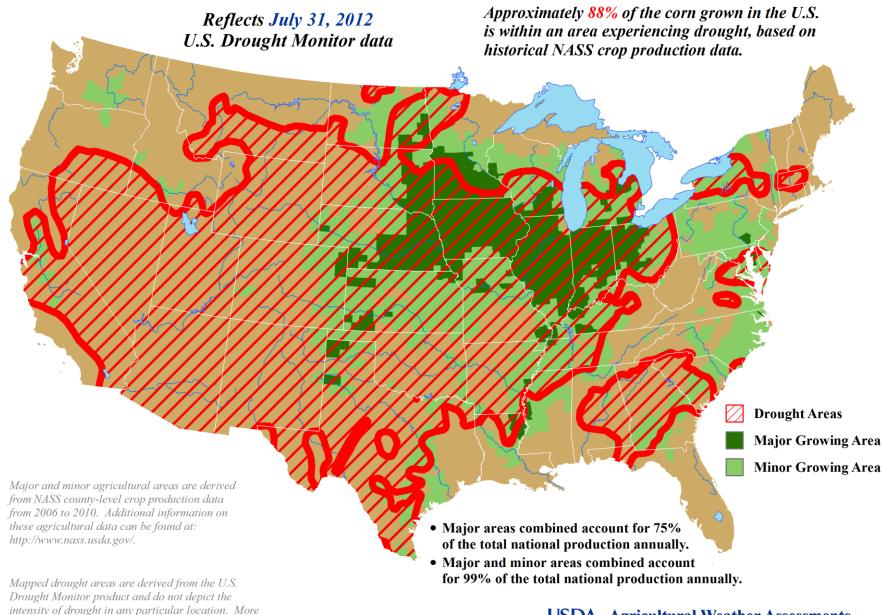
## **U.S. Corn Conditions**



## U.S. Corn Areas Experiencing Drought

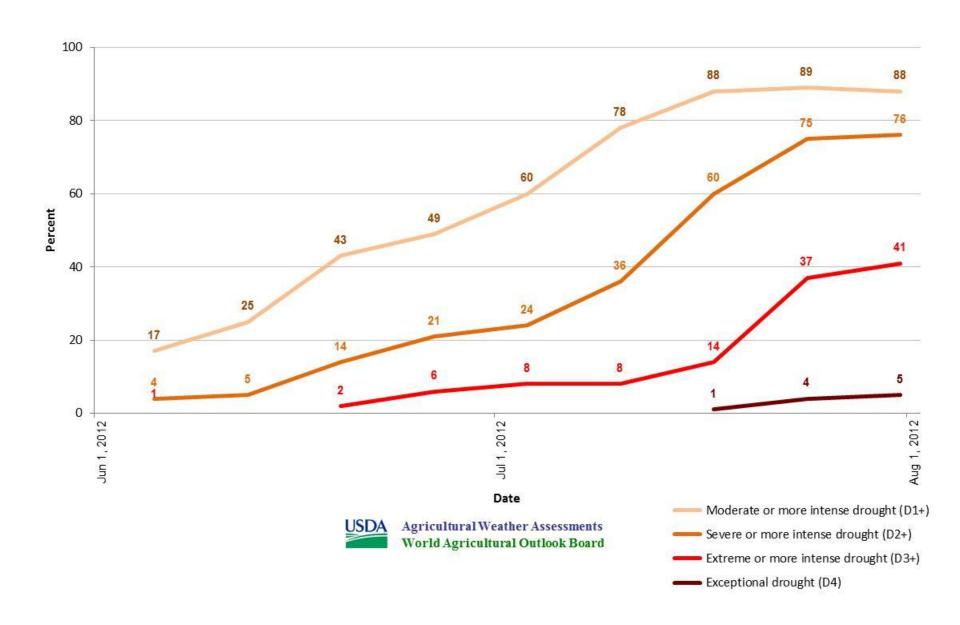
information on the Drought Monitor can be found

at: http://www.drought.unl.edu/dm/monitor.html.

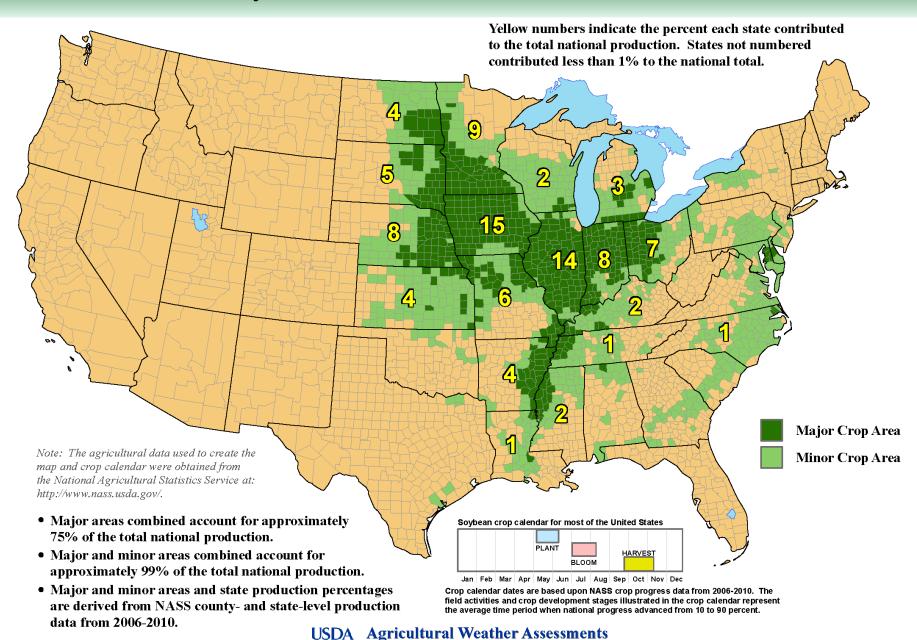




### **United States Corn Areas Located in Drought**

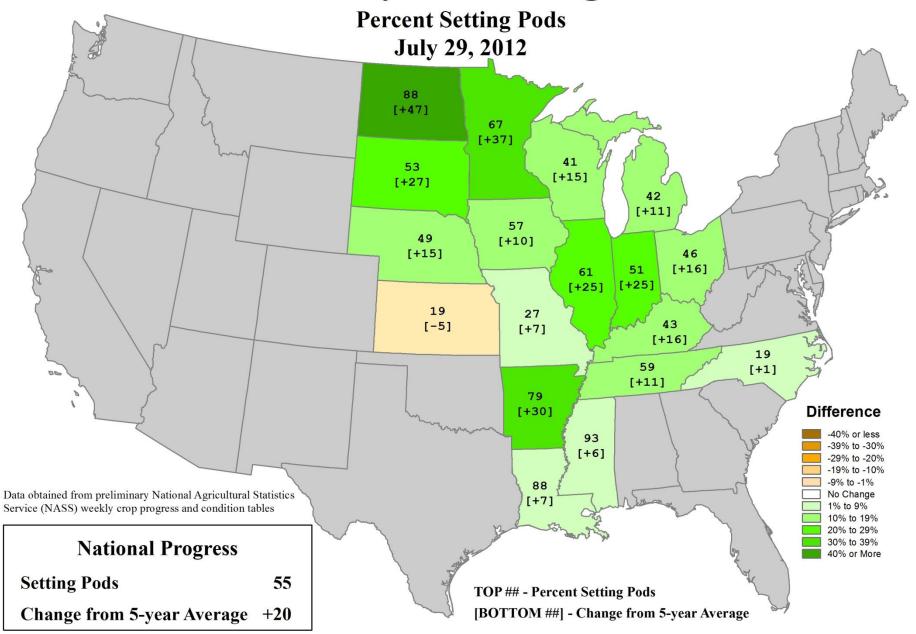


### **United States: Soybeans**

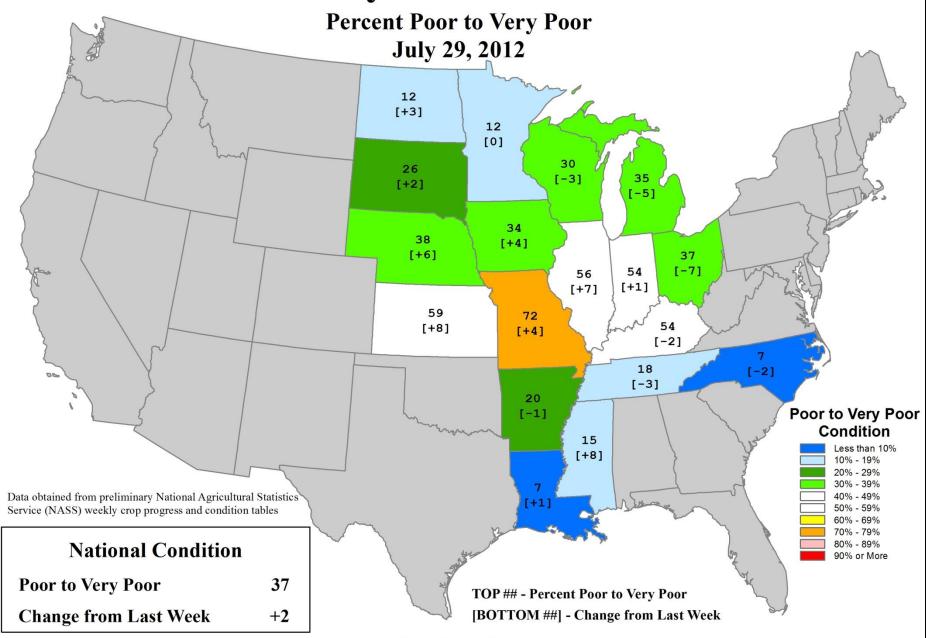


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## **U.S. Soybeans Progress**



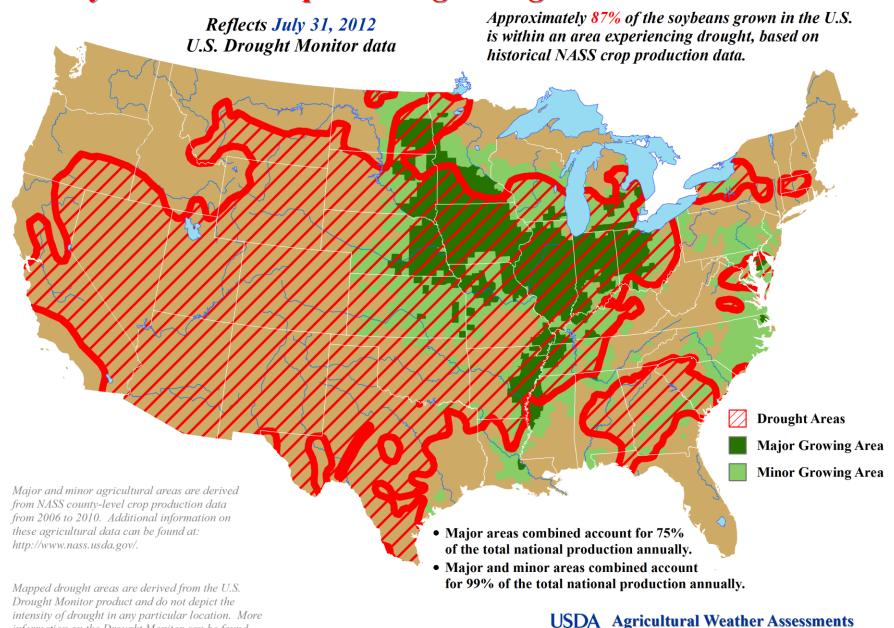
## **U.S. Soybean Conditions**



## U.S. Soybean Areas Experiencing Drought

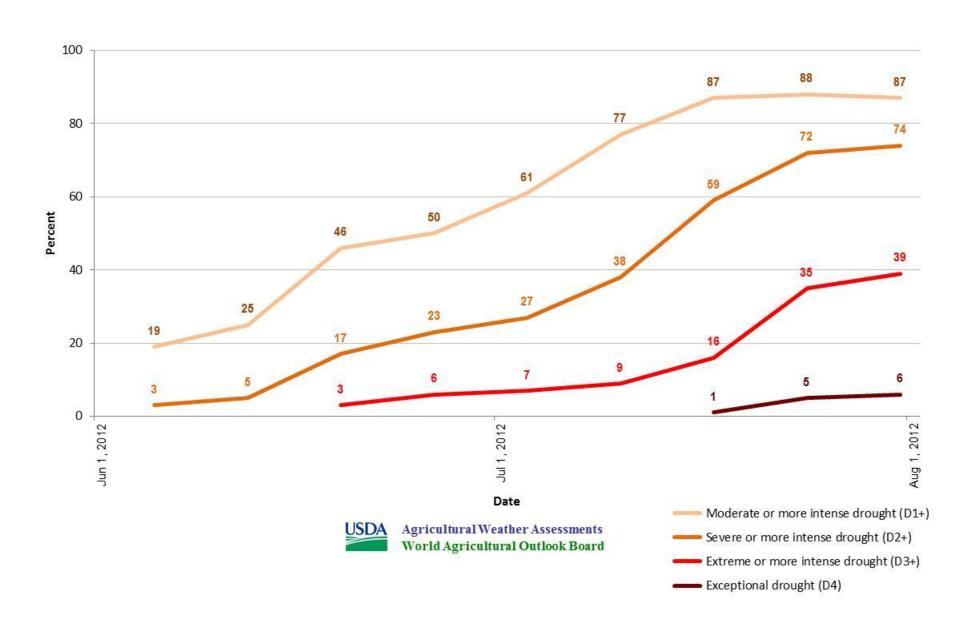
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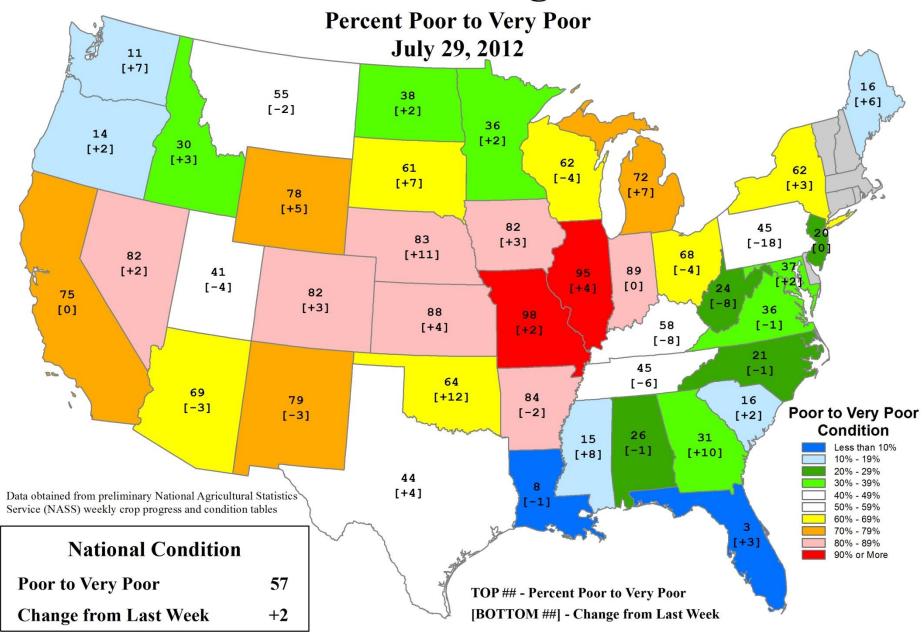


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### United States Soybean Areas Located in Drought



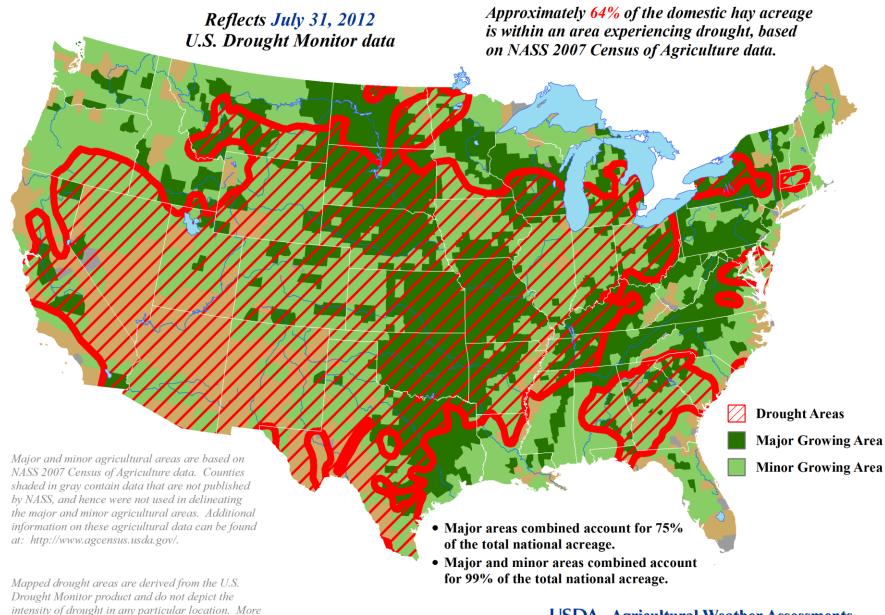
## **U.S. Pasture and Range Conditions**



## U.S. Hay Areas Experiencing Drought

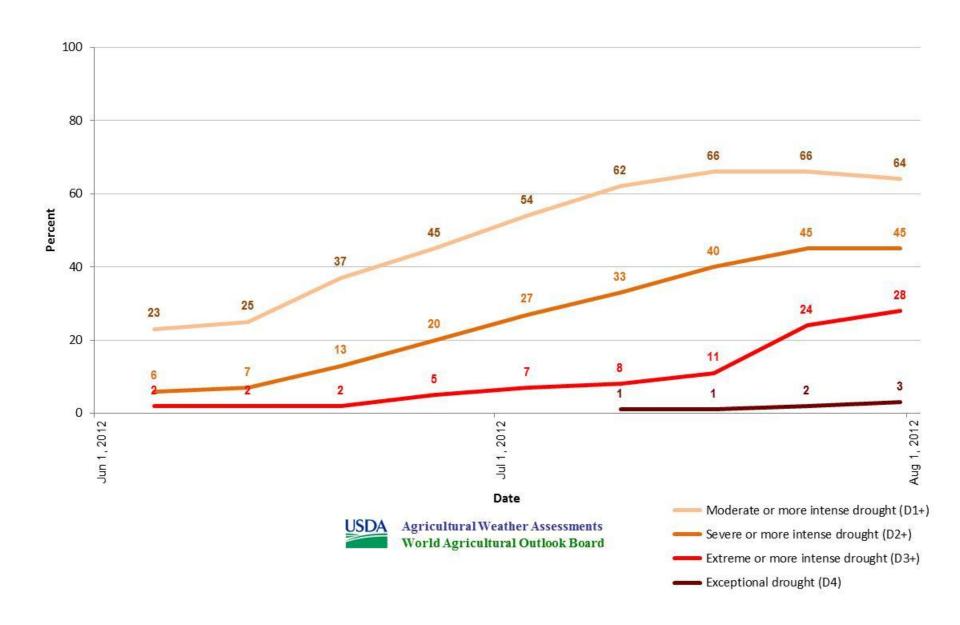
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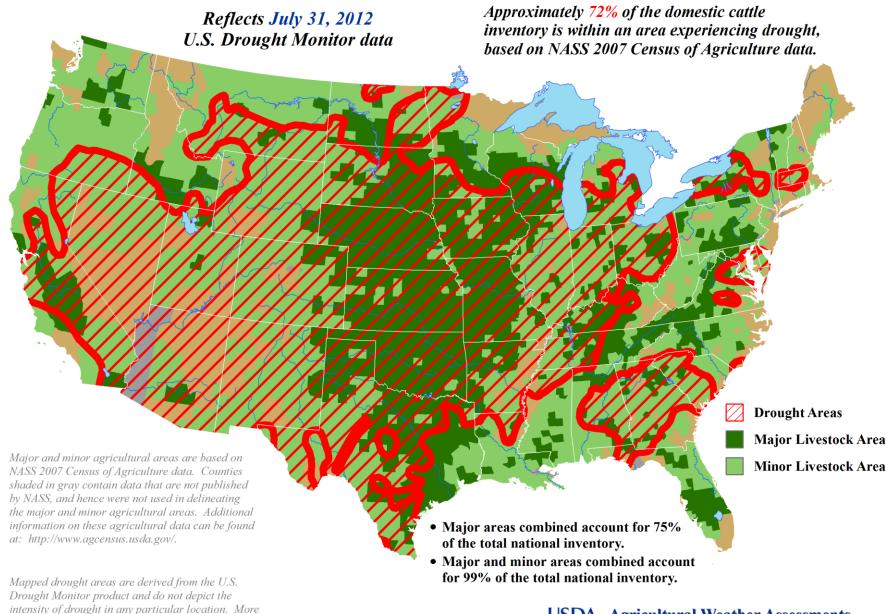
### **United States Hay Areas Located in Drought**



## U.S. Cattle Areas Experiencing Drought

information on the Drought Monitor can be found

at: http://www.drought.unl.edu/dm/monitor.html.





### **United States Cattle Areas Located in Drought**

