

Drought Task Force Summary

17 September 2012

Dr. Dennis Todey

South Dakota State Climatologist

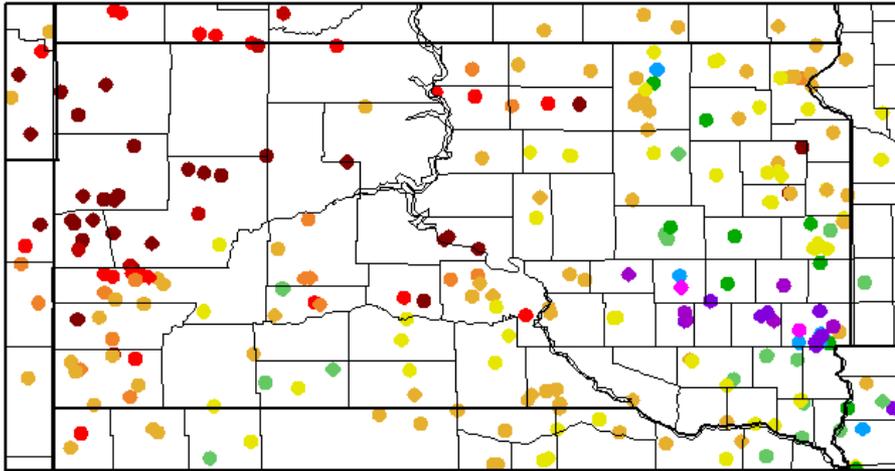
SDSU Extension/AES/ABE

Drought Issues Summary

- No significant changes
- Slight degradation in DM last week
- Conditions not improving
 - A little rain in areas
- Some locations west and central record dryness over the last 30 days
- No pattern changes seem to be coming through end of month



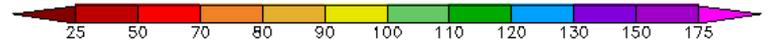
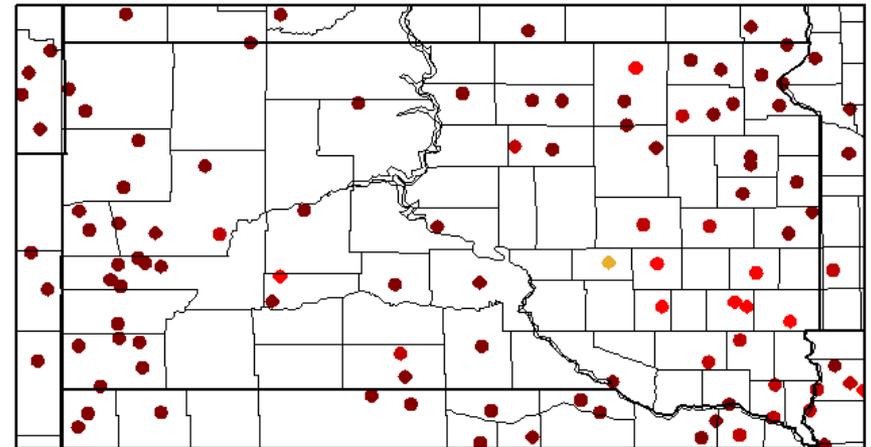
Precipitation (in)
8/17/2012 - 9/15/2012



Generated 9/16/2012 at HPRCC using provisional data.

Regional Climate Cent

Percent of Normal Precipitation (%)
8/17/2012 - 9/15/2012



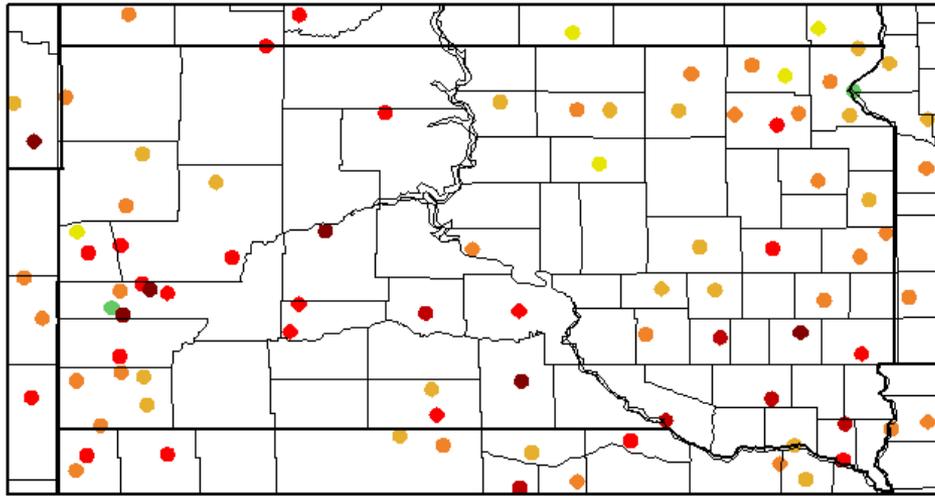
Generated 9/16/2012 at HPRCC using provisional data.

Regional Climate Centers



<http://www.hprcc.unl.edu/maps/current/>

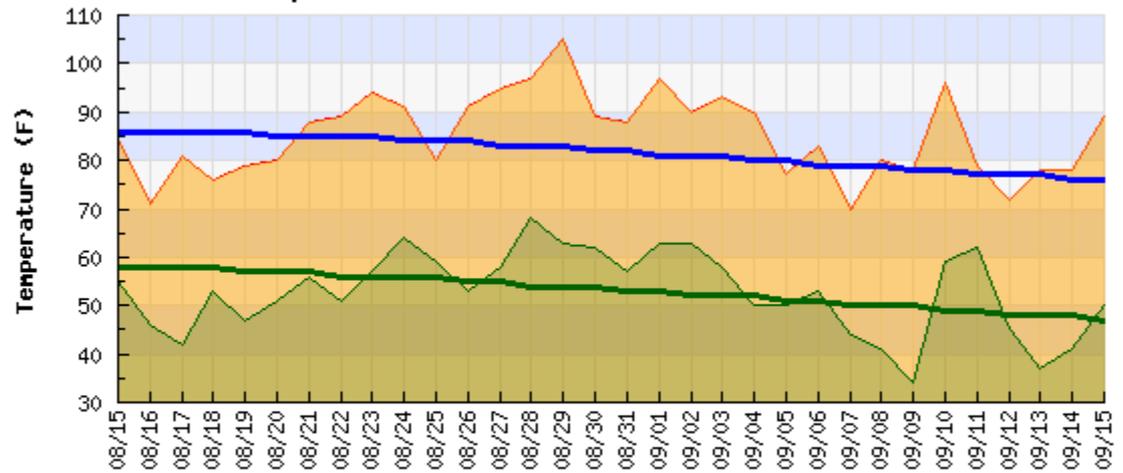
Departure from Normal Temperature (F) 8/17/2012 - 9/15/2012



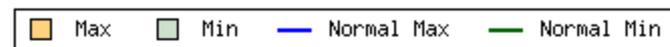
Generated 9/16/2012 at HPRCC using provisional data.

<http://climate.sdstate.edu/awdn/archive/graphs.php?txtfrom=06/01/2012&txtto=07/28/2012&station=BES¶meterz=temp>

Temperature for HIGHMORE (08/15/2012 - 09/16/2012)



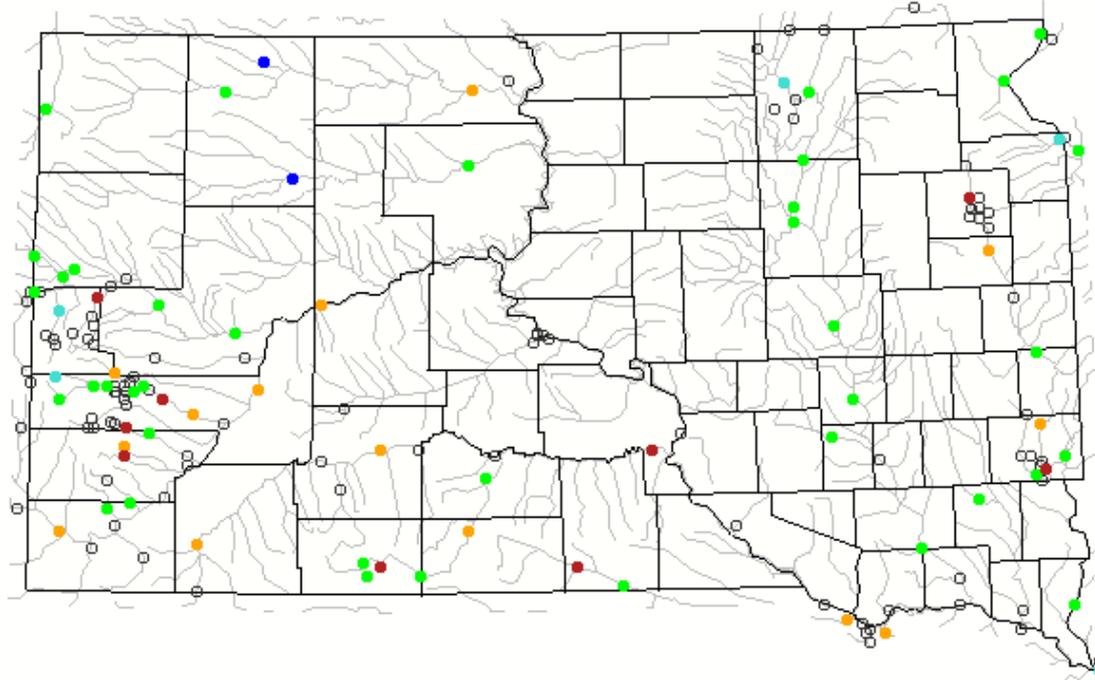
Date



SD State Climate Office
<http://climate.sdstate.edu>

Streamflows

Monday, September 17, 2012 06:30ET



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

List of all stations Single station Nearest stations Peak flow

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

U.S. Drought Monitor

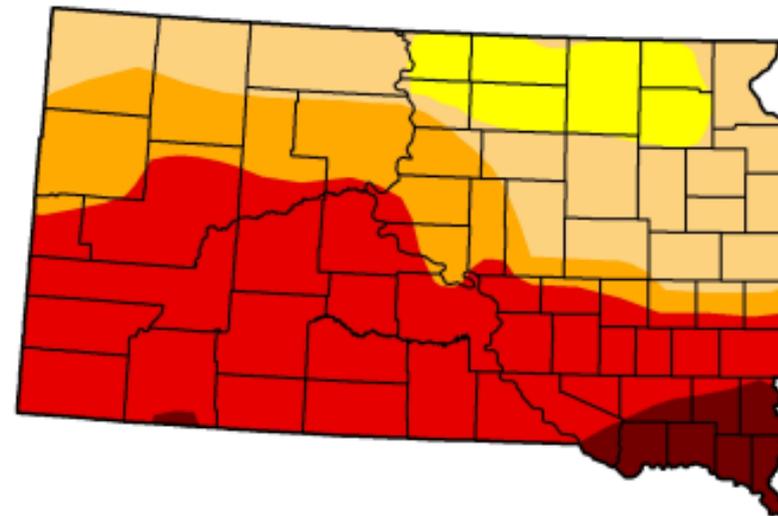
September 11, 2012

Valid 7 a.m. EST

South Dakota

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	91.55	68.04	50.37	4.77
Last Week (09/04/2012 map)	0.00	100.00	91.45	68.99	49.84	4.77
3 Months Ago (06/12/2012 map)	69.74	30.26	0.00	0.00	0.00	0.00
Start of Calendar Year (12/27/2011 map)	48.14	51.86	13.86	2.11	0.00	0.00
Start of Water Year (09/27/2011 map)	71.37	28.63	7.36	0.00	0.00	0.00
One Year Ago (09/06/2011 map)	83.55	16.45	1.96	0.00	0.00	0.00



Intensity:

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

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

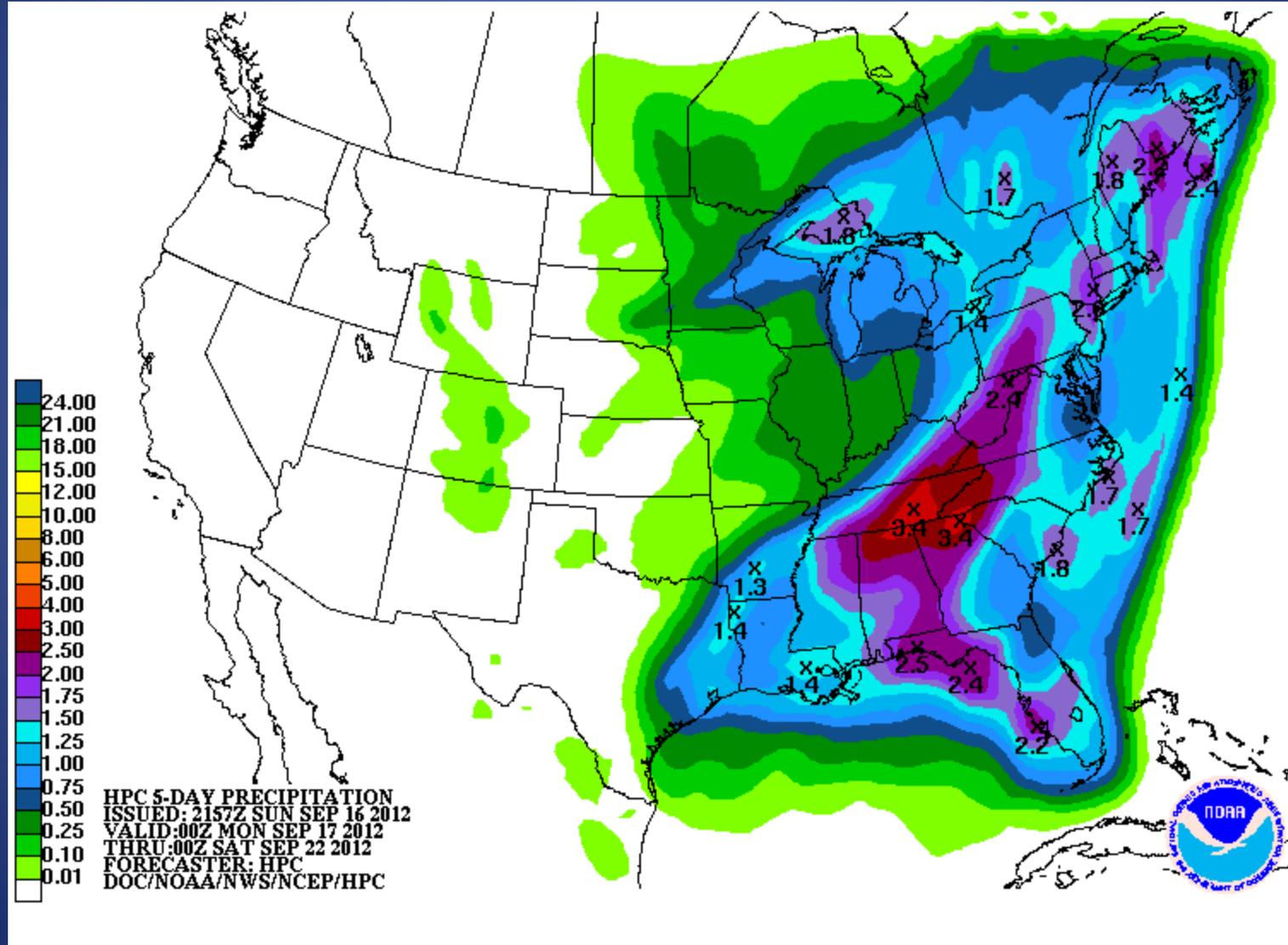
<http://droughtmonitor.unl.edu>



Released Thursday, September 13, 2012
David Simeral, Western Regional Climate Center



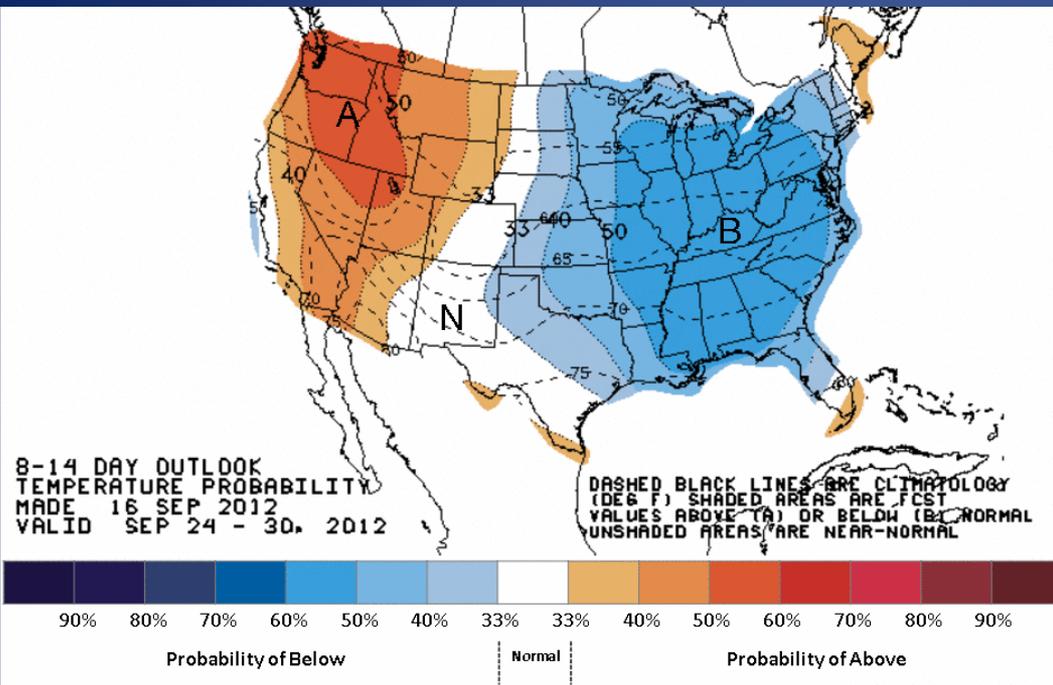
NOAA HPC 5 Day Precip Forecast



8-14 day

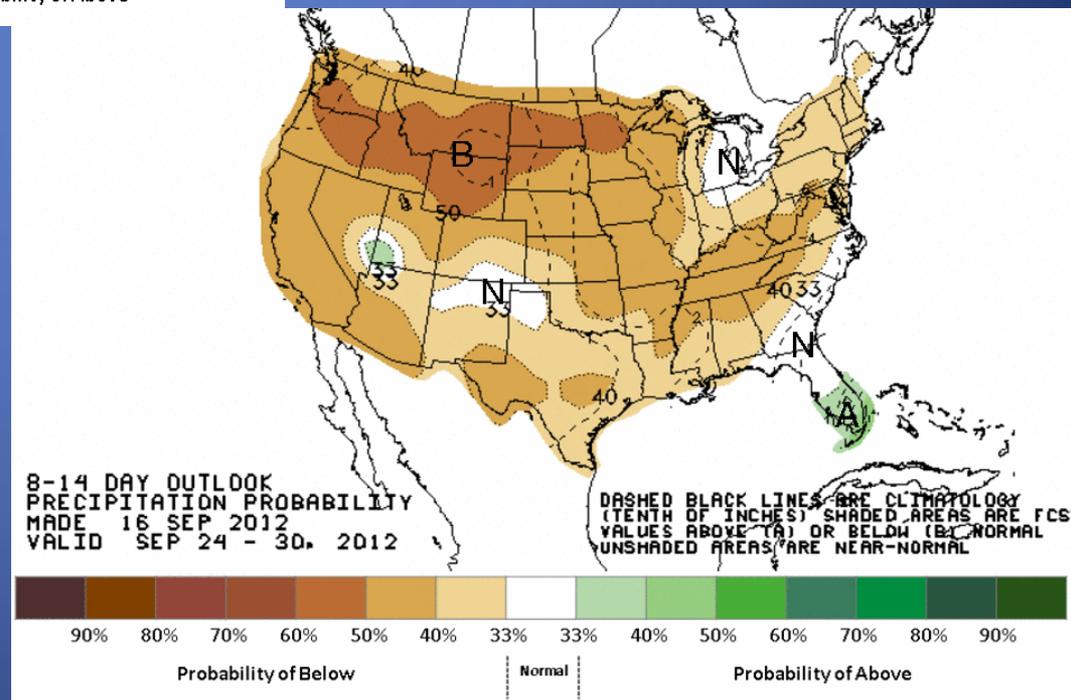
Temperature

Precipitation



<http://www.cpc.ncep.noaa.gov>

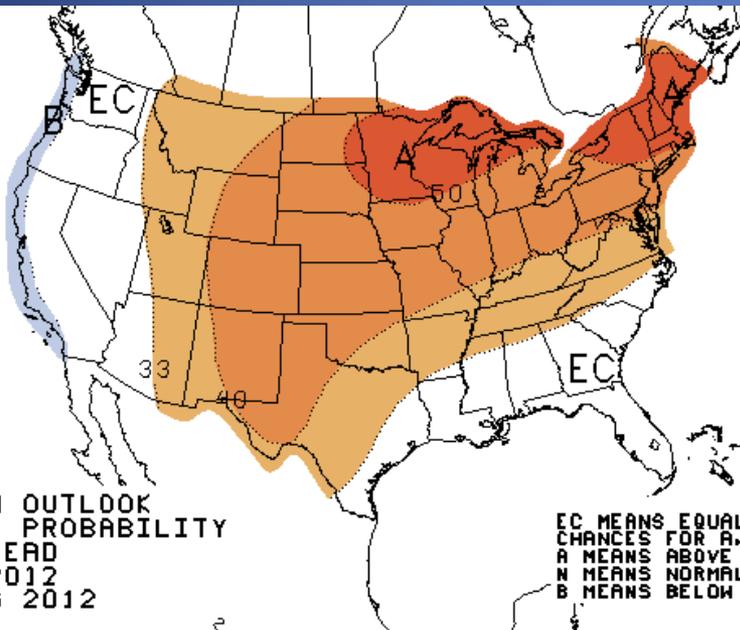
Issued daily



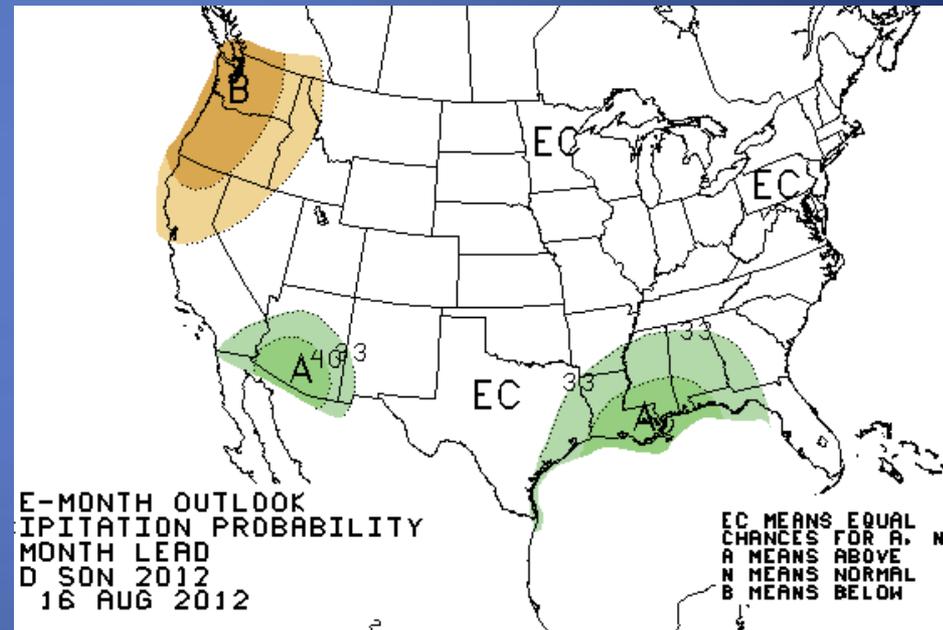
October Temperature and Precipitation Probabilities (updated Thursday)

<http://www.cpc.ncep.noaa.gov/products/predictions/30day/>

3 Month Temperature and Precipitation Probabilities (September – October - November)



Temperature



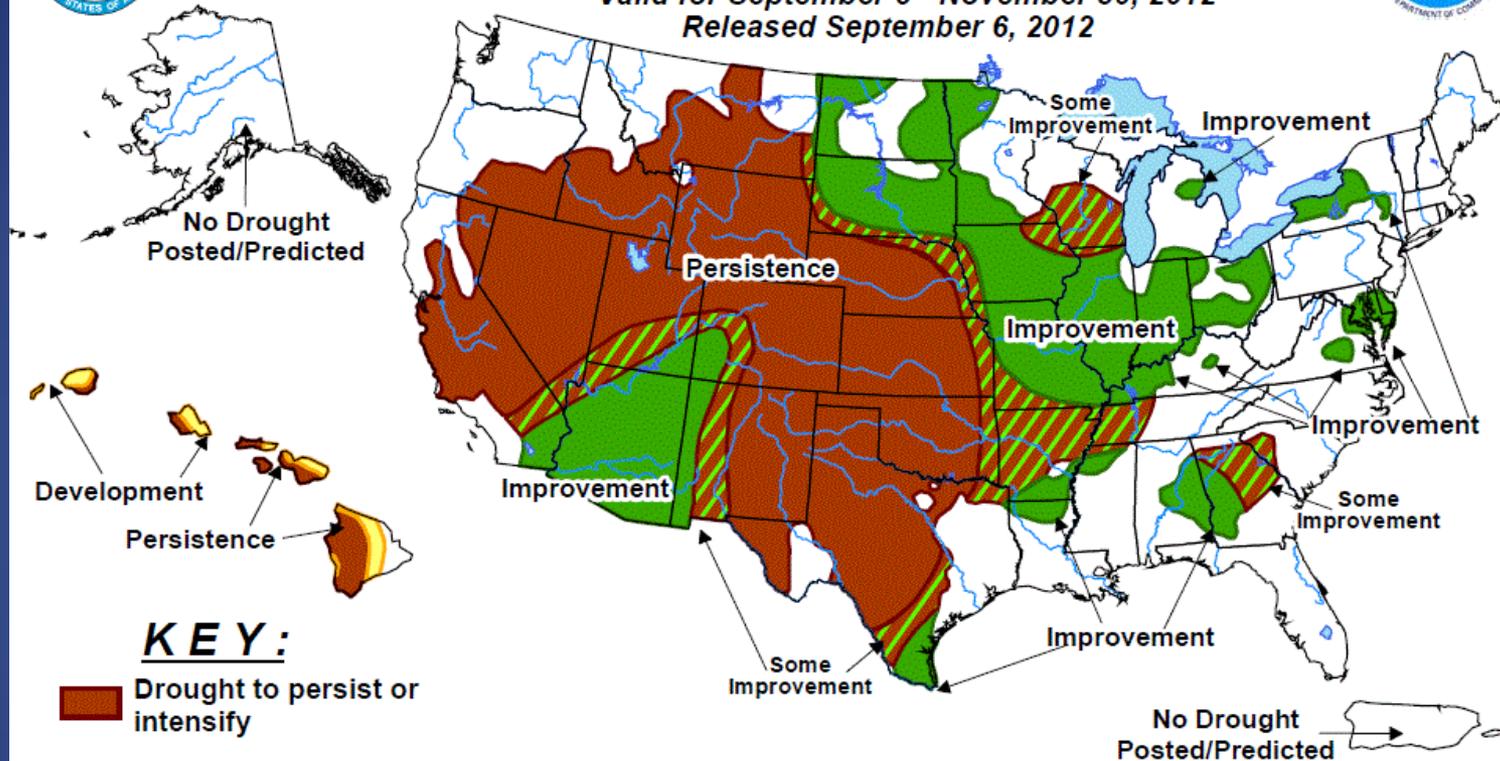
Precipitation



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for September 6 - November 30, 2012
Released September 6, 2012



KEY:

-  Drought to persist or intensify
-  Drought ongoing, some improvement
-  Drought likely to improve, impacts ease
-  Drought development likely

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.