

Drought Task Force Summary

1 October 2012

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SDSU Extension/AES/ABE

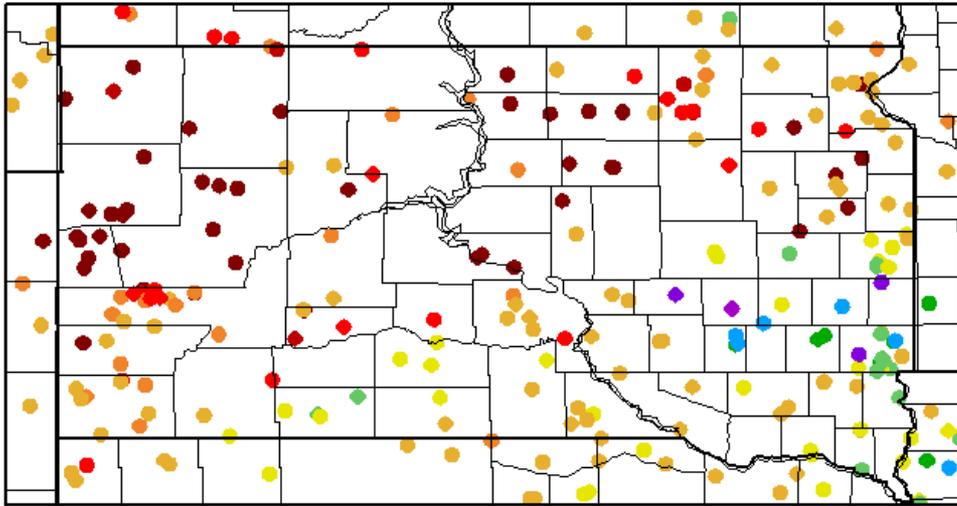


Drought Issues Summary

- Conditions
 - Little September precipitation
 - Worsening conditions – worse DM categories
 - Little moisture recovery
 - Fire issues continue
- Outlooks
 - No real improvement foreseen
 - Losing time for fall recovery
 - Winter/next year little guidance at this point



Precipitation (in)
9/1/2012 - 9/30/2012

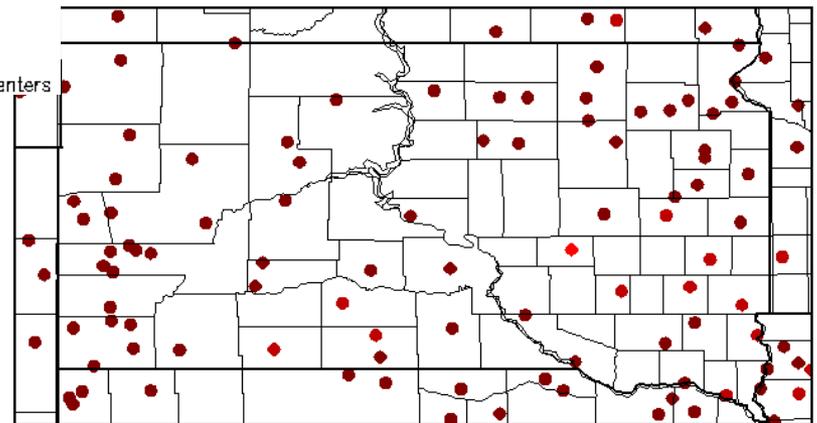


Generated 10/1/2012 at HPRCC using provisional data.

Regional Climate Centers

At least six stations with record
September precipitation.

Percent of Normal Precipitation (%)
9/1/2012 - 9/30/2012



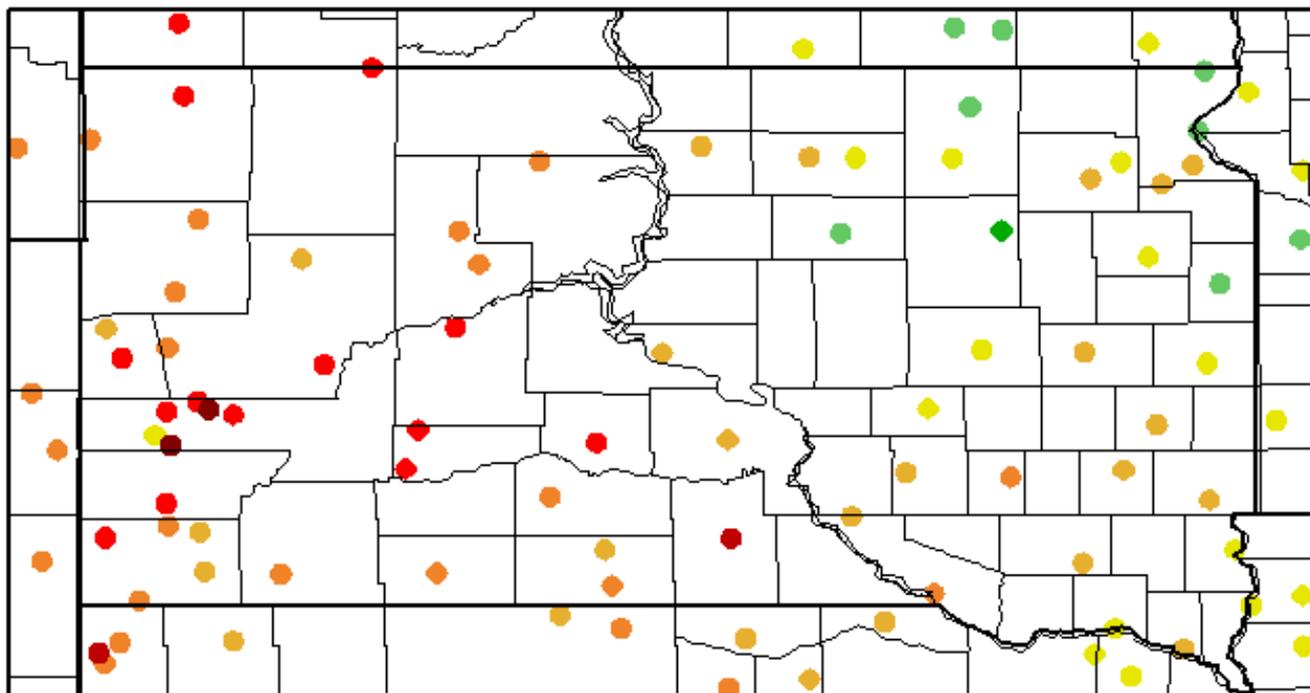
Generated 10/1/2012 at HPRCC using provisional data.

Regional Climate Centers



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

Departure from Normal Temperature (F) 9/1/2012 - 9/30/2012



Generated 10/1/2012 at HPRCC using provisional data.

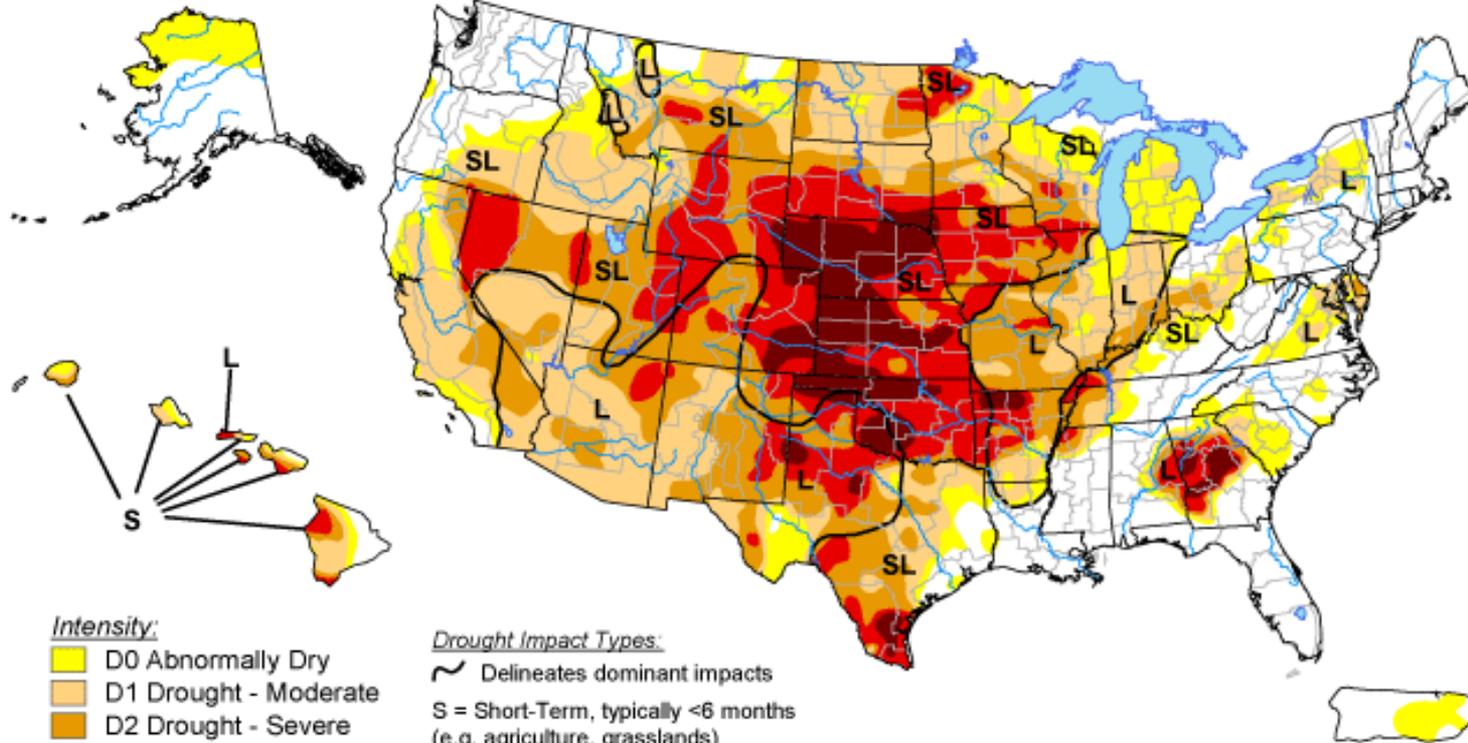
Regional Climate Centers



Dry air – big daily temperature ranges

U.S. Drought Monitor

September 25, 2012
Valid 7 a.m. EDT



Intensity:

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

Drought Impact Types:

- Delineates dominant impacts
- S = Short-Term, typically <6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically >6 months (e.g. hydrology, ecology)

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 27, 2012
Author: Anthony Artusa, NOAA/NWS/NCEP/CPC



U.S. Drought Monitor

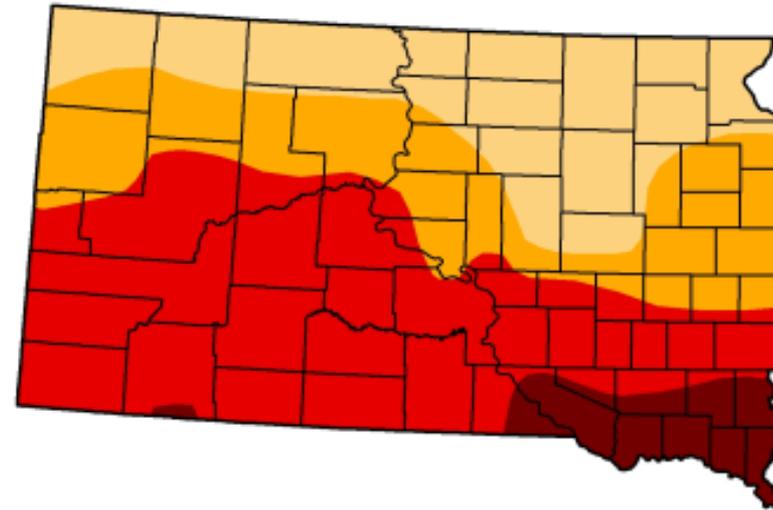
September 25, 2012

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	100.00	74.69	50.53	6.72
Last Week (09/18/2012 map)	0.00	100.00	96.07	68.27	50.61	4.77
3 Months Ago (06/26/2012 map)	27.46	72.54	22.56	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 (09/20/2011 map)	71.39	28.61	7.36	0.00	0.00	0.00



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Changes will be coming this week –likely increased coverage of higher end drought in the west.

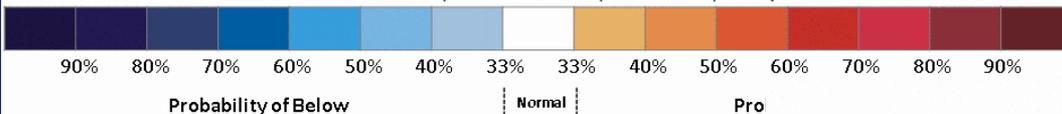
8-14 day

Temperature

Precipitation

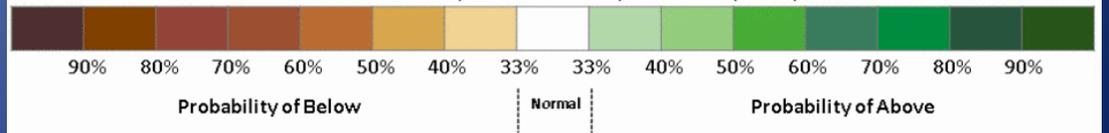
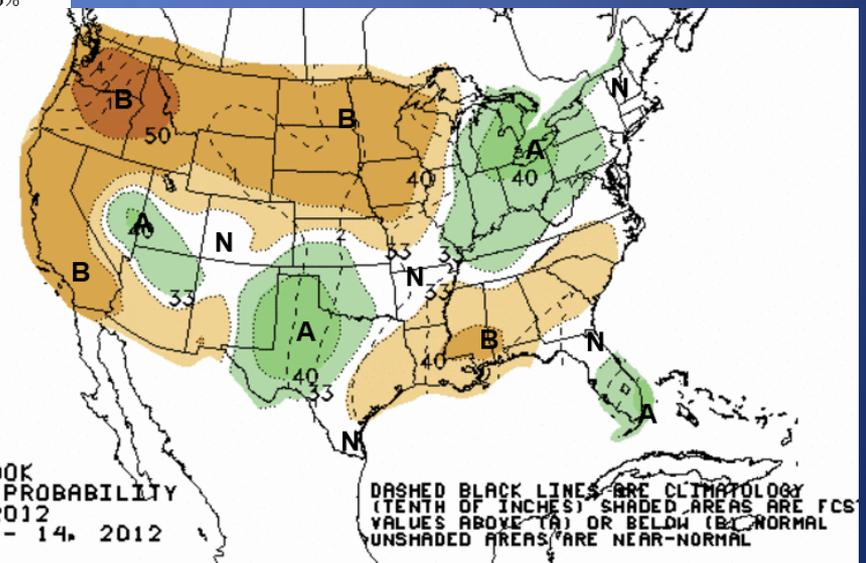
8-14 DAY OUTLOOK
TEMPERATURE PROBABILITY
MADE 30 SEP 2012
VALID OCT 08 - 14, 2012

DASHED BLACK LINES ARE CLIMATOLOGY
(DEG F) SHADED AREAS ARE FCS
VALUES ABOVE (A) OR BELOW (B) NORMAL
UNSHADED AREAS ARE NEAR-NORMAL

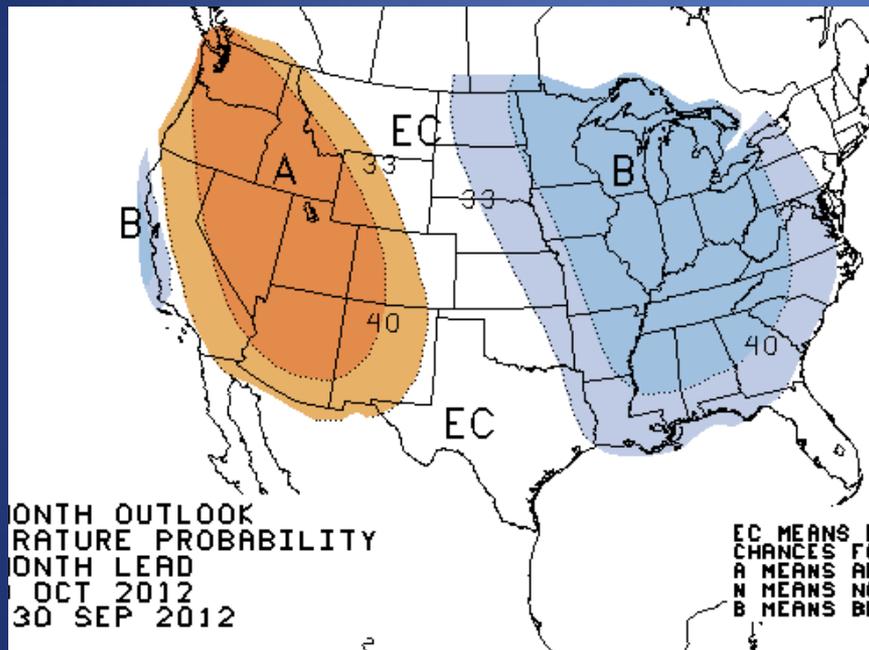


<http://www.cpc.ncep.noaa.gov>

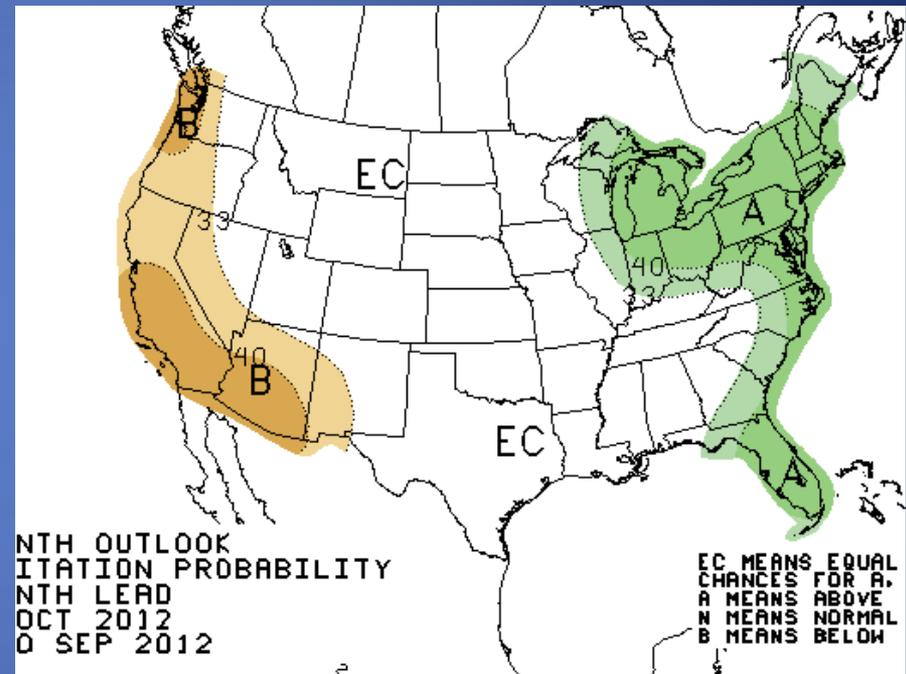
Issued daily



October Temperature and Precipitation Probabilities

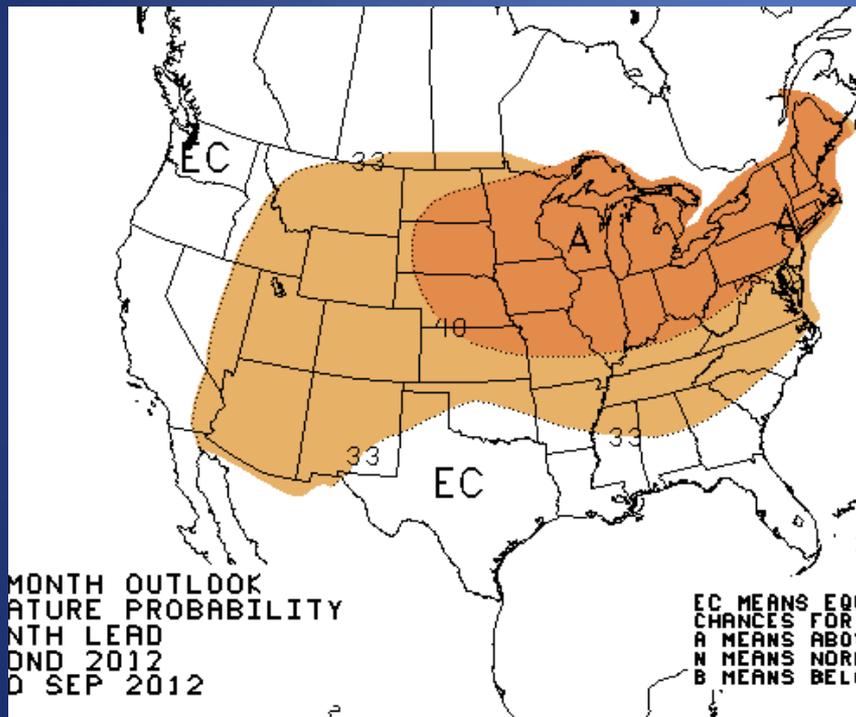


Temperature

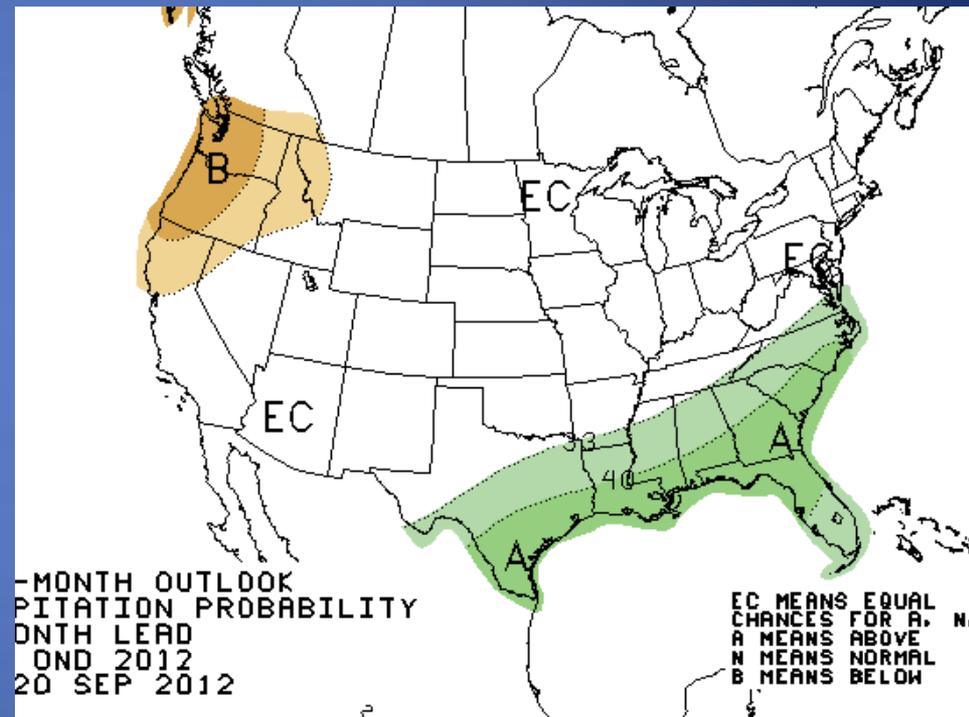


Precipitation

3 Month Temperature and Precipitation Probabilities (September - November)



Temperature



Precipitation

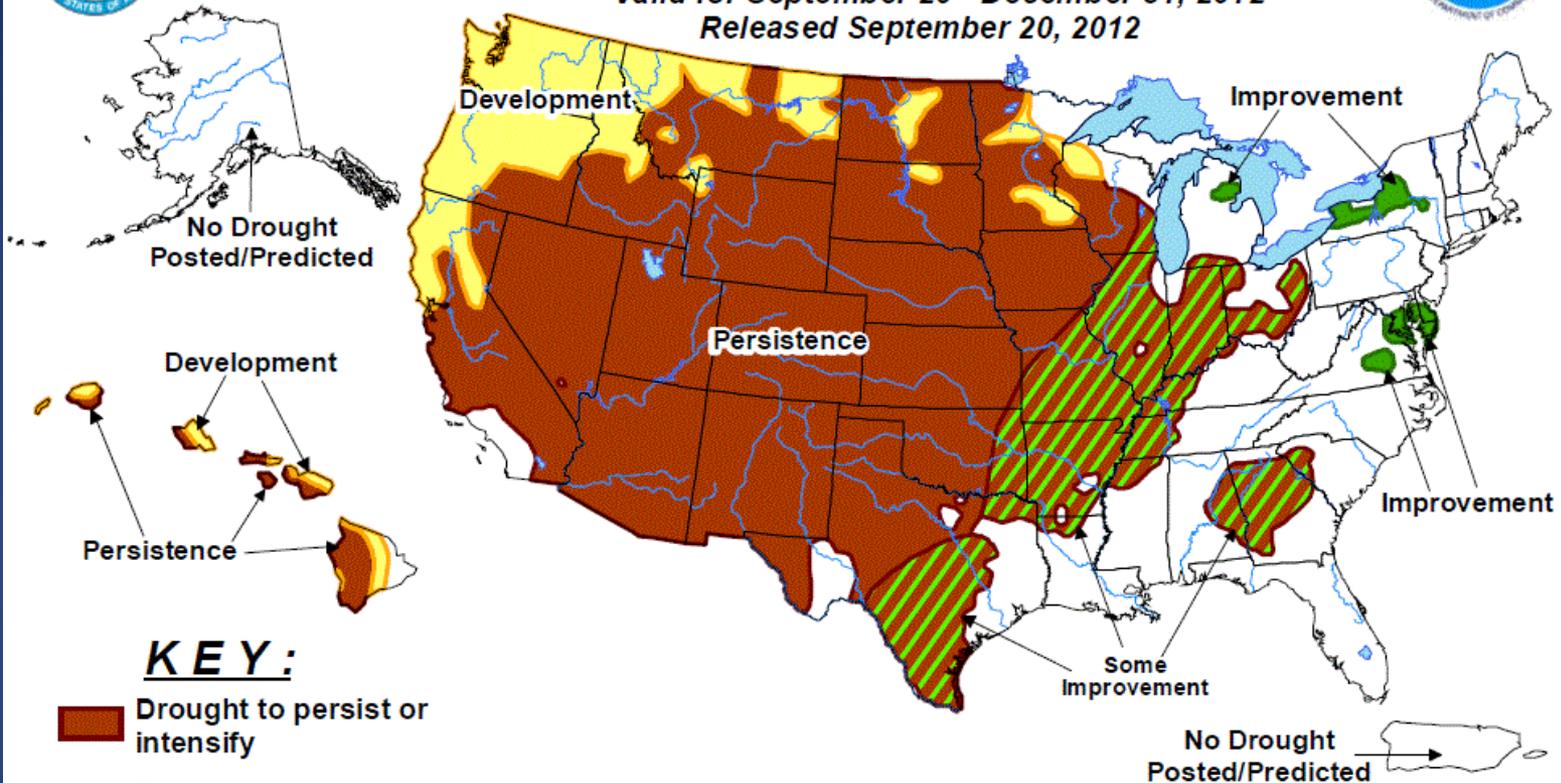


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for September 20 - December 31, 2012

Released September 20, 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.

Weather/Fire Outlook

- Red flag warning today – Tuesday Harding Co
- Fire weather watch east river
- Cold front passing through changing to much cooler air
- Chance of precip late week statewide. Looks pretty minimal. Will be stratiform (no lightning)
- Cooler temps into next week
- Few chances for precip still to ease overall danger



Drought Outlook Summary

- Pattern change to cooler temperatures
- Still no great chances for precipitation
- Losing opportunity for recovery this fall
- Winter/spring still question marks
- Will carry over impacts into next year without question.

