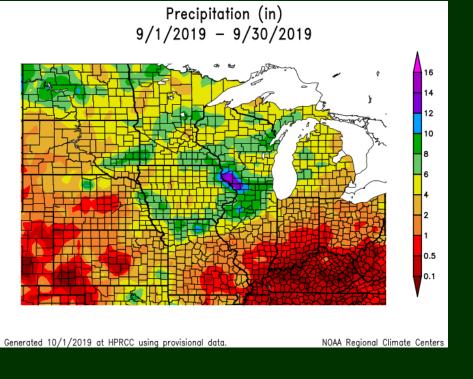
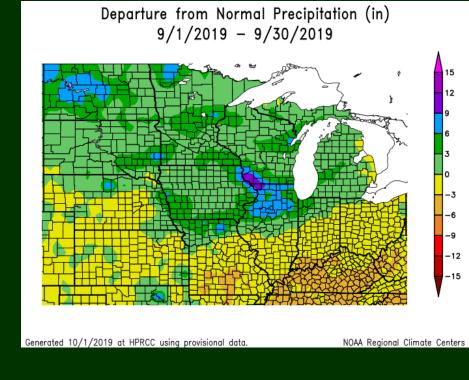
MAC-T Monthly Call

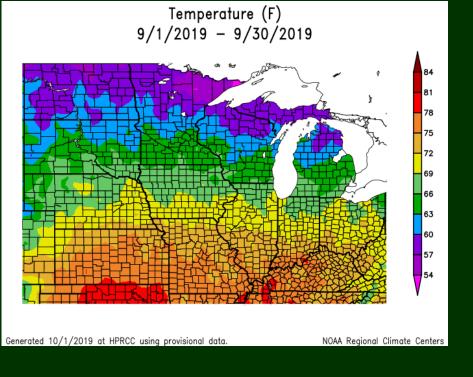
Midwest Agriculture and Climate Team

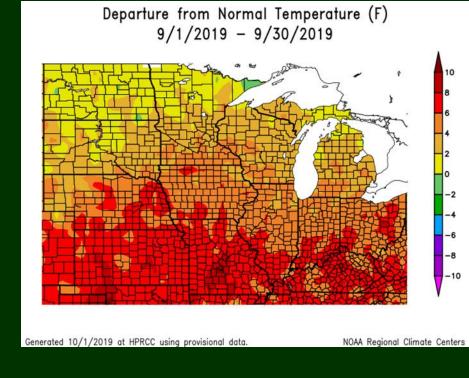






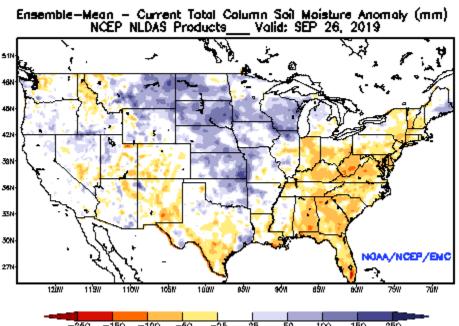
- Again a split in the region.
 - North and west mostly above average
 - East south well below drought setting in.
- Up to 6"+ above average in some pockets
- More rain coming..... Some areas will continue to miss out.





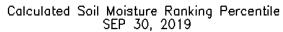
- Warmer than average for September
 - Up to 8 F above in the south
 - Slightly above in the north
- Very welcomed situation for pushing crops to maturity

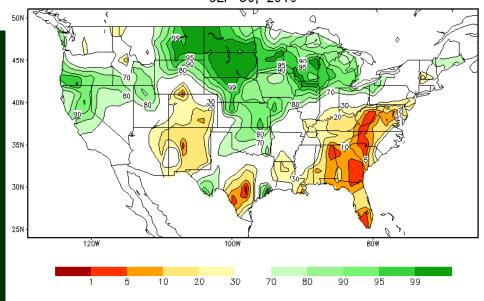
Soil Moisture



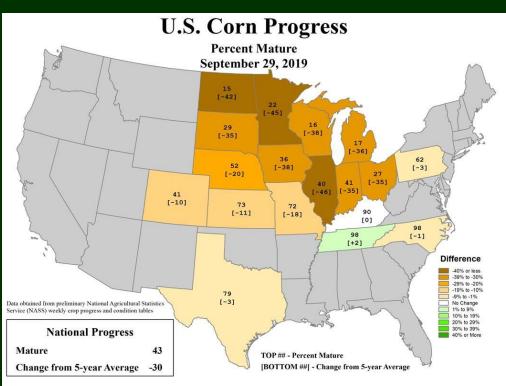
http://www.emc.ncep.noaa.gov/mmb/nldas/drought/

- Very wet soils (99th percentile in nrn plains. Somewhat wet to the south
- Drying out around the Ohio River and southward (fairly quickly).





http://www.cpc.ncep.noaa.gov/products/Soilmst_Monitoring/US/Soilmst/Soilmst.shtml#



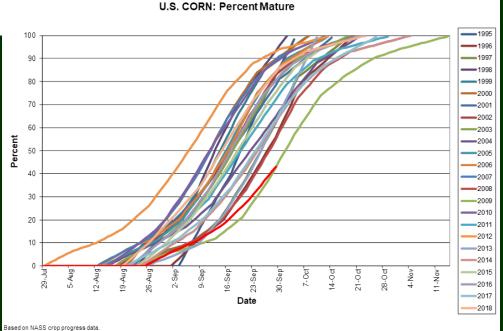
USDA NASS Crop Progress (through September 29) Corn

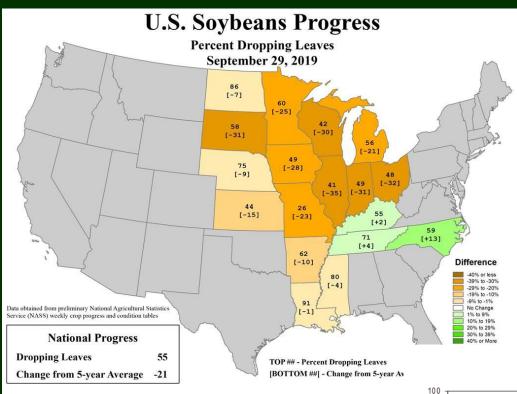
Corn mature – 43% nationally. 30% behind.

Corn neck and neck with 2009 for latest developing.

Large amount of corn at risk for freeze.

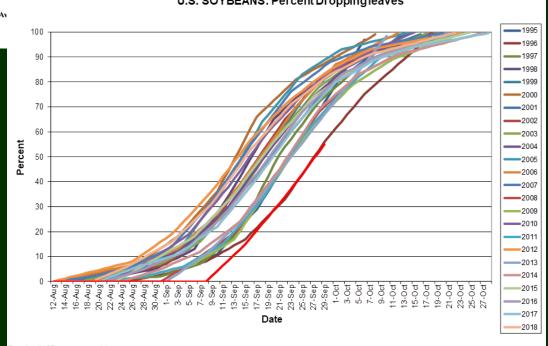
2019 bottom red line





USDA NASS Crop Progress (through September 29) Soybean

U.S. SOYBEANS: Percent Dropping leaves

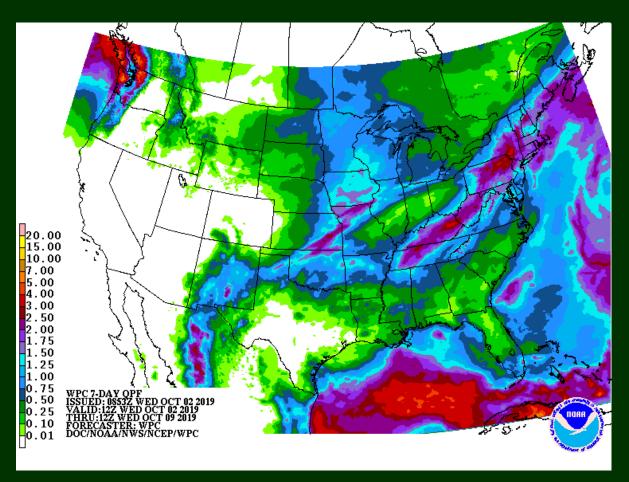


Based on NASS crop progress data

Assorted AG Issues

- Crop progressing but still needs more time.
- Early yield reports are a little low
- Reports of disease issues in various states
- Soils wet or getting wet
- Harvest progress will slow as will drydown

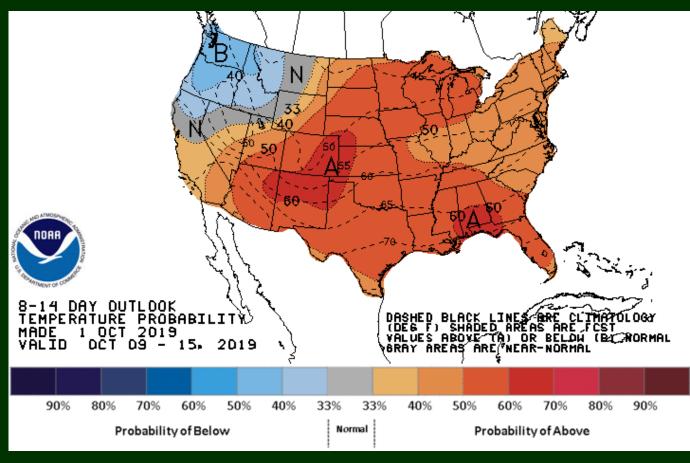
1-7 Day Precip



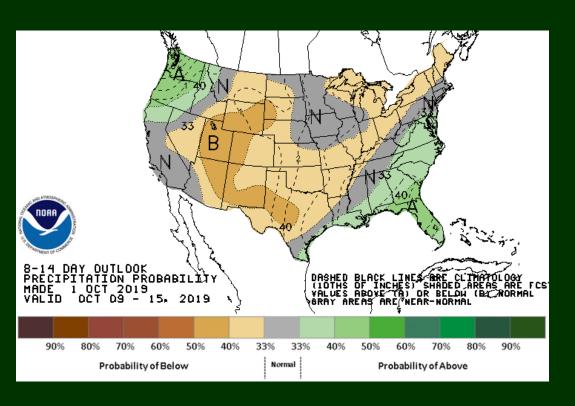
Rain continues, though amounts somewhat less.

Temperature Outlook

- Warmer than average slightly more likely through mid-October
- Again good news for crops



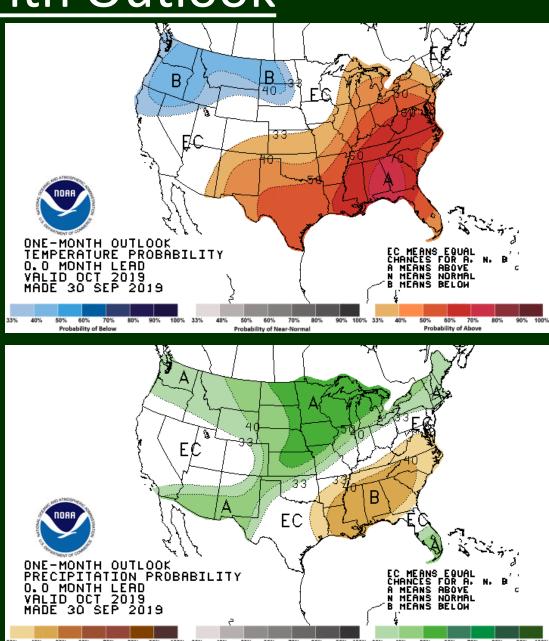
Precipitation Outlook



- Likely wetter than average into mid-October.
- Not as good news for crops.
- Overall soil wetness and fewer workable field days will be problems.
- Drydown also an issue.
- Updated map not as pessimistic on precip. 6-10 also leans dry

1-Month Outlook

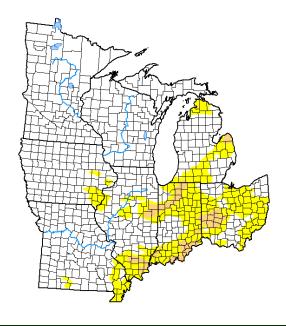
- Wetter seems to be the more likely situation for the month.
- Equal chances on temperatures
- Again slow progress on harvest will likely be the issue.



Drought in the Midwest

U.S. Drought Monitor

USDA Midwest Climate Hub



September 24, 2019

(Released Thursday, Sep. 26, 2019) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	Δ4
Current	79.38	20.62	3.32	0.01	0.00	0.00
Last Week 09-17-2019	81.71	18.29	3.55	0.00	0.00	0.00
3 Month's Ago 06-25-2019	96.77	3.23	0.00	0.00	0.00	0.00
Start of Calendar Year 01-01-2019	99.21	0.79	0.00	0.00	0.00	0.00
Start of Water Year 09-25-2018	79.61	20.39	9.31	1.86	0.40	0.01
One Year Ago 09-25-2018	79.61	20.39	9.31	1.86	0.40	0.01

Intensity: None D2 Severe Drought D0 Abnormally Dry D3 Extreme Drought D1 Moderate Drought D4 Exceptional Drought

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

Author:

Fric Luebehusen

U.S. Department of Agriculture





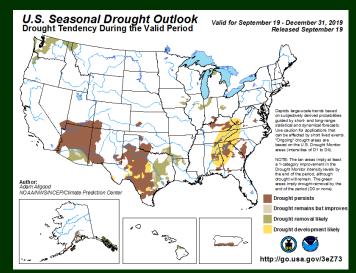


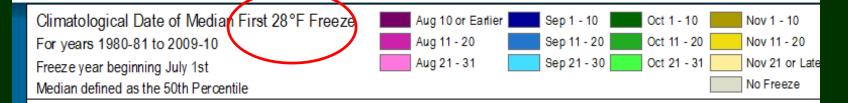


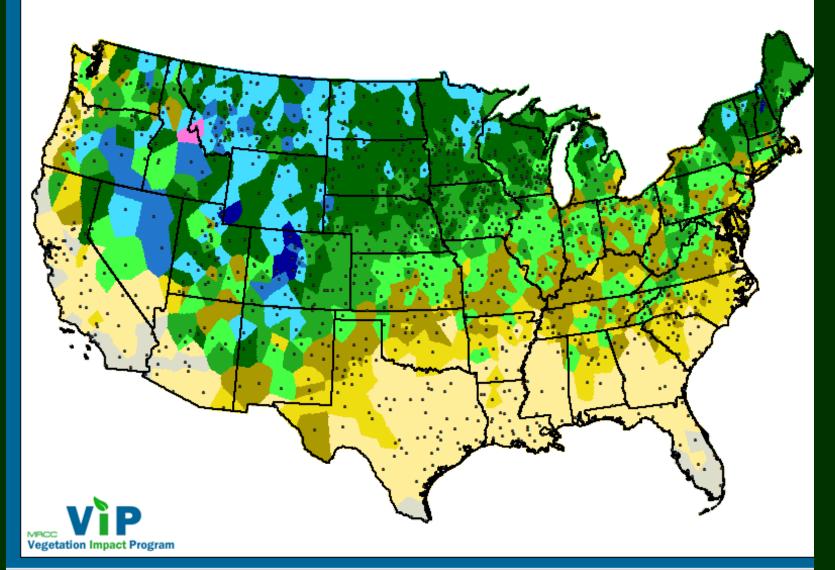
droughtmonitor.unl.edu

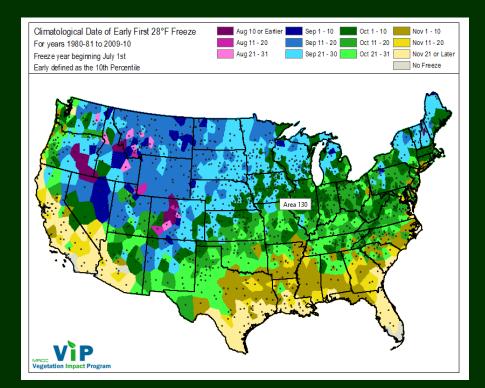
Additional reductions to drought intensity and coverage across the northern half of the region contrasted with rapidly intensifying and expanding drought in the south. From Iowa into Michigan (including northern portions of Illinois and Indiana), another widespread soaking rainfall (1-6 inches) eased or eradicated lingering Abnormal Dryness (D0) and Moderate Drought (D1). Conversely, temperatures in the middle 90s coupled with acute short-term moisture deficits (60-day rainfall locally less than 30 percent of normal) led to an expansion of D0 and D1 as well as the introduction of Severe Drought (D2), most notably from southern Illinois eastward into Kentucky and neighboring portions of Indiana and Ohio. State-wide average topsoil moisture was rated 55 percent short to very short (according to USDA-NASS) as of September 22 in both Indiana and Ohio, and 86 percent poor to very poor in Kentucky. Reports from the field indicate Kentucky is experiencing the same type of "flash drought" being observed across much of the south; the impacts of "flash drought" often occur more quickly than the objective data indicates.

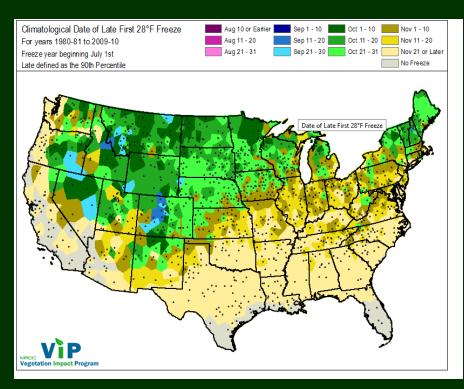
http://droughtmonitor.unl.edu/







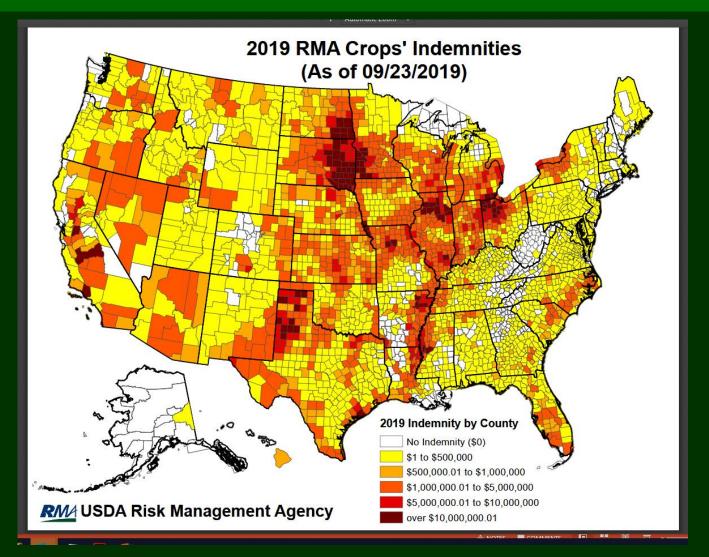




Summary

- Wetter conditions likely into harvest. Dry down, compacted soils and some possible disease are the issues.
- We are in climatological range for freezing.
- At this point next week has a possible chance for falling below freezing, though not below 28 F.
- Watch local forecasts for more details. Conditions can shift.
- Cooler temperatures will slow last progress toward harvest.

2019 Crop Indemnities (23 Sept.)





Next MAC-T Monthly Call

Next Call? Nov 6th?