

**Climate Impact Company Weekly Crop Progress Report and Outlook**  
Olivia Kellner, Meteorologist and Climatologist

**Issued: Tuesday, September 5, 2017**

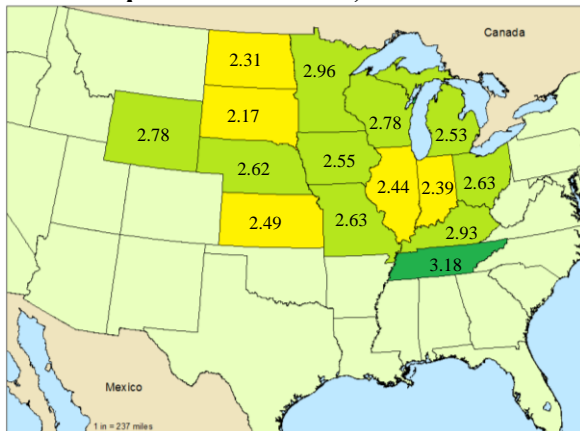
**Crop Condition Index:** A simple weighted index of the five crop condition categories as presented in the USDA NASS Weekly Crop Progress Reports. The final index number represents an overall rank of crop condition for each state compared to the other states. Highest value indicates the state with the best crop conditions and the lowest value represent states with the worst crop conditions. Max value is 4, minimum value is 0.

Formula:  $((\% \text{Very Poor} * 0) + (\% \text{Poor} * 1) + (\% \text{Fair} * 2) + (\% \text{Good} * 3) + (\% \text{Excellent} * 4)) / (\% \text{Very Poor} + \% \text{Poor} + \% \text{Fair} + \% \text{Good} + \% \text{Excellent})$

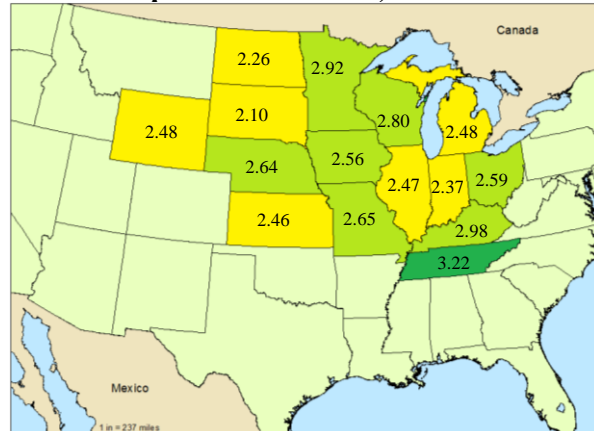
**KEY:**



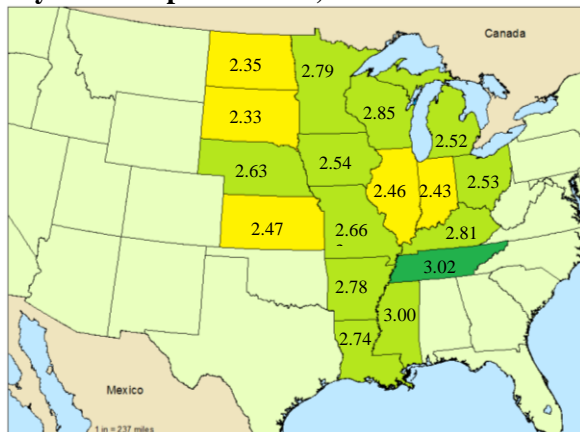
**Corn Crop Condition Index, Previous Week**



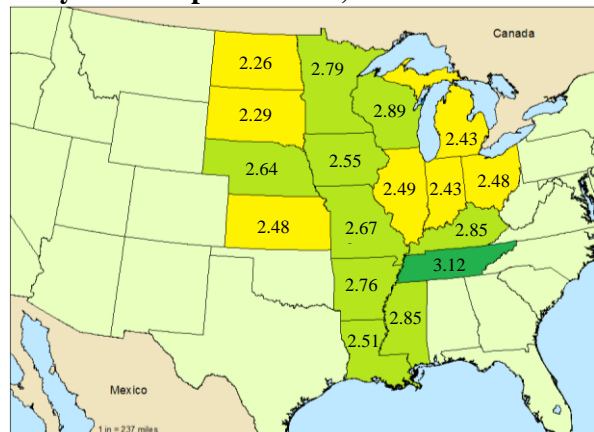
**Corn Crop Condition Index, Current Week**



**Soybean Crop Condition, Previous Week**

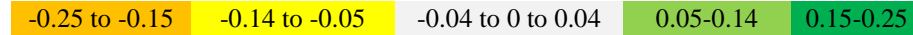


**Soybean Crop Condition, Current Week**

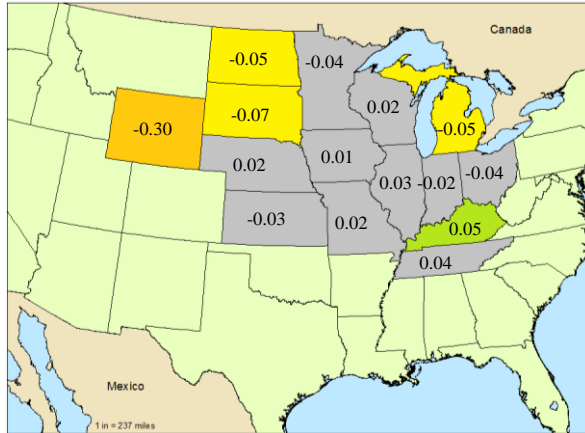


## Weekly Index Value Change:

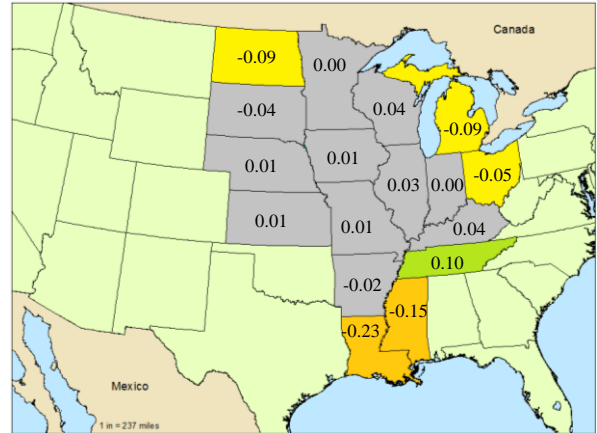
### KEY:



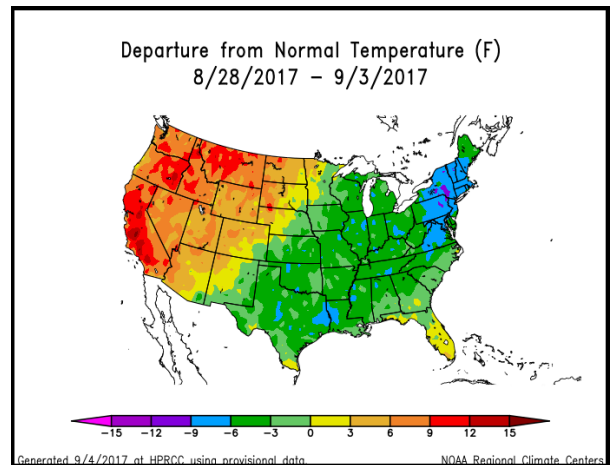
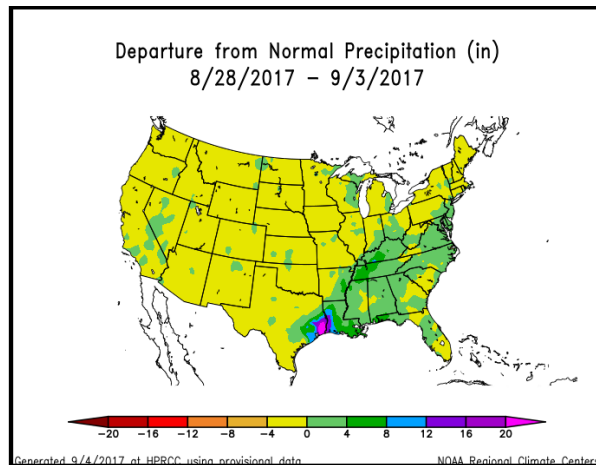
### Corn Crop Condition



### Soybean Crop Condition



## Departure from Normal Precipitation and Departure from Normal Average Temperature, Previous 7 Days (Images: High Plains Regional Climate Center):

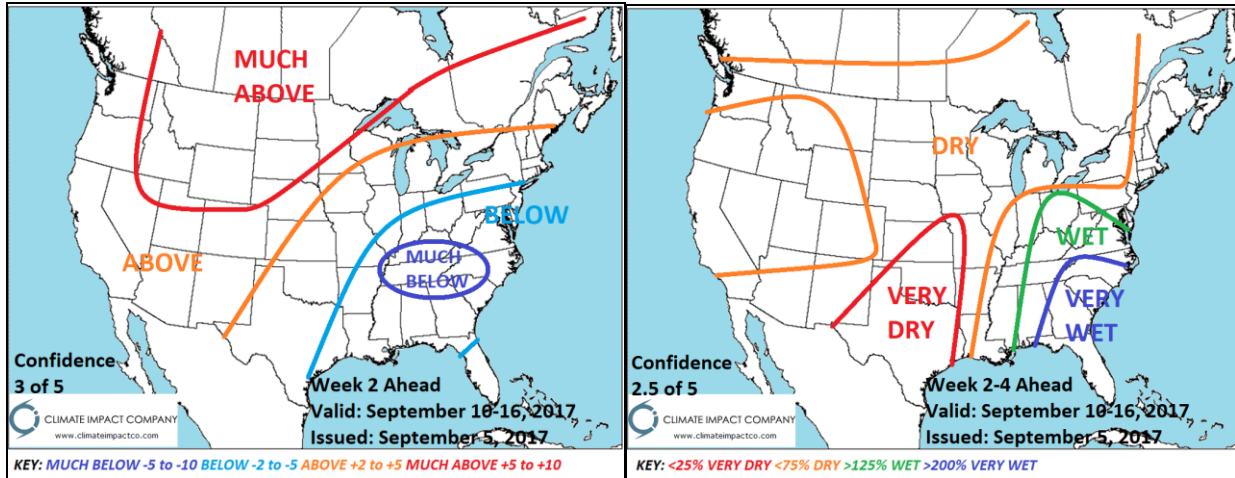


## Previous Week's Weather Summary

The dry trend continued across during the period for the region except for the rainfall from Hurricane Harvey that fell in Texas, Louisiana, up the lower Mississippi River Valley, and into the Ohio River Valley. While rainfall is needed more for soybeans this time of year, either too much (e.g. across Texas, Louisiana, Mississippi, western Tennessee, and western Kentucky) or too little fell (e.g. in all other states) compared to normal for the week of August 28 – September 3, 2017. Temperatures remained below normal across the region as well, on average around 5°F below normal for the period except in North Dakota, South Dakota, western Minnesota, western Nebraska, and Colorado. The prevailing cooler than normal temperatures this growing season across much of the Corn Belt except the Dakotas, Colorado, and western Nebraska brings concern that the needed growing degree days for crops to mature may come too late in the season for best harvests.

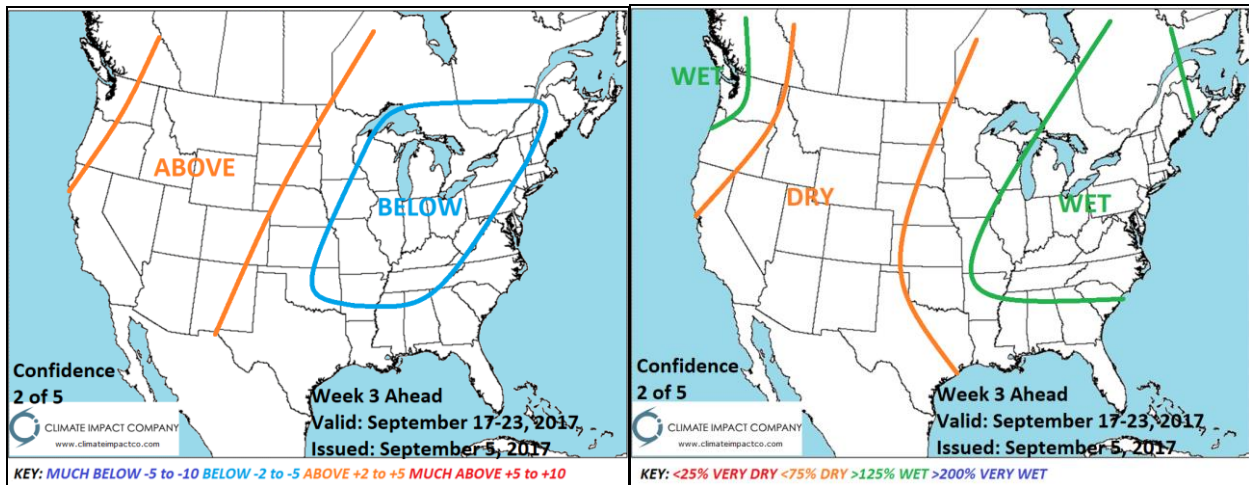
# Climate Impact Company Week 2-4 Ahead Climate Outlooks

## Week 2 Ahead: September 10-16, 2017



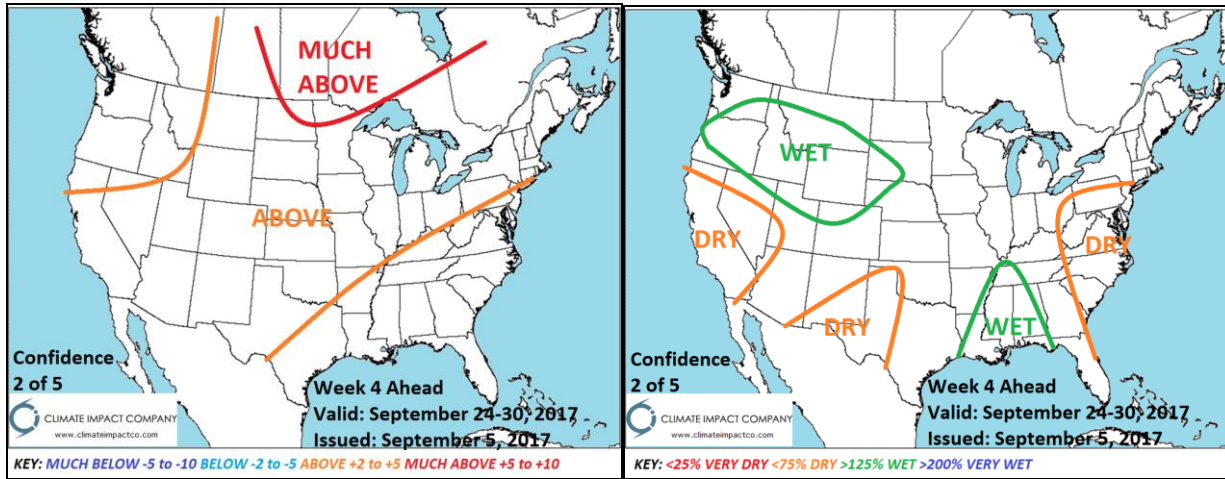
**Discussion:** Irma moves inland Florida and The Southeast U.S. early next week depositing excessive rainfall. Temperatures are cool as the clouds and rain arrive. On the back side of the wet weather the Great Plains are very dry with a gradual warming trend.

## Week 3 Ahead: September 17-23, 2017



**Discussion:** Another 1 or 2 trough(s) from Canada moves into the Northeast Corridor sustaining a cool regime in the Midwest and a showery pattern across the Northeast U.S. The dry pattern dominating the Great Plains next week buds westward during the period. The Western half of the nation is not as warm as observed for much of late summer.

**Week 4 Ahead: September 24-30, 2017**



**Discussion:** The outlook is made with low confidence. Indicated is near normal rainfall for most of the Great Plains while temperatures are warmer than normal.