



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
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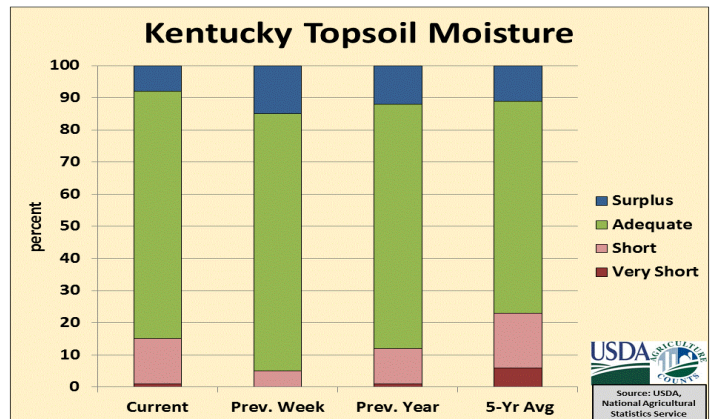
Issue: 15-17

Agricultural News: Kentucky experienced below normal temperatures and rainfall over the past week. Precipitation for the week totaled 0.91 inches, 0.16 inches below normal. Temperatures averaged 68 degrees for the week, 3 degrees below normal. **Topsoil moisture** was rated 1 percent very short, 14 percent short, 77 percent adequate and 8 percent surplus. **Subsoil moisture** was rated 1 percent very short, 10 percent short, 80 percent adequate, and 9 percent surplus. Days suitable for fieldwork averaged 5.5 out of a possible seven.

Primary activities this week included harvesting wheat, and planting soybeans and tobacco. Some soybean fields continue to be replanted due to damage from slugs and heavy rainfall events earlier in the season. Prevailing dry conditions allowed farmers to cut and bale hay during the week. Double crop soybean planting has started as winter wheat begins to be removed from fields. The average height of emerged corn was 23 inches, compared to 24 inches last year. The tobacco crop is rated in mostly good condition. The average height of tobacco in the field was 6 inches.

SOIL MOISTURE for week ending 06/11/17

| | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| | % | % | % | % |
| Topsoil | 1 | 14 | 77 | 8 |
| Subsoil | 1 | 10 | 80 | 9 |



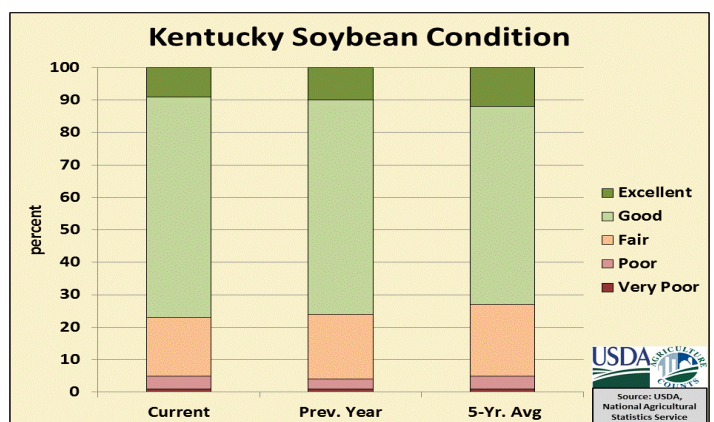
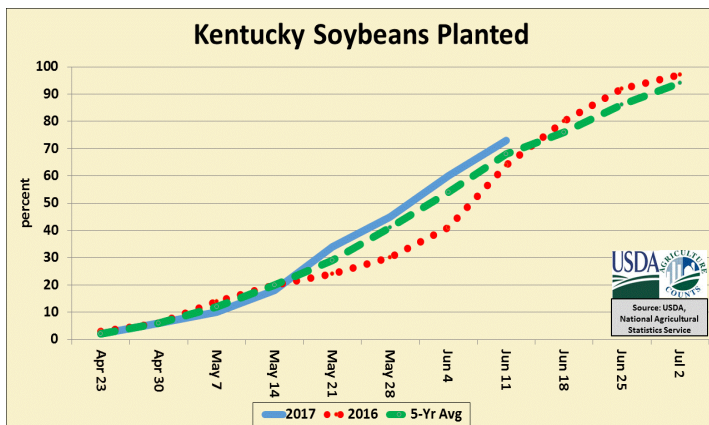
CROP PROGRESS for week ending 06/11/17

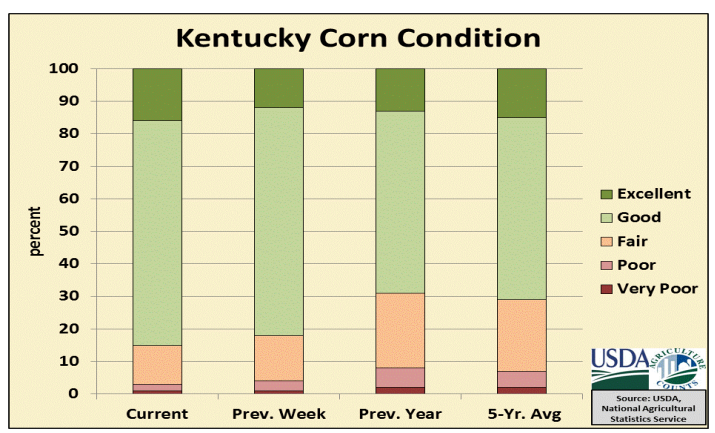
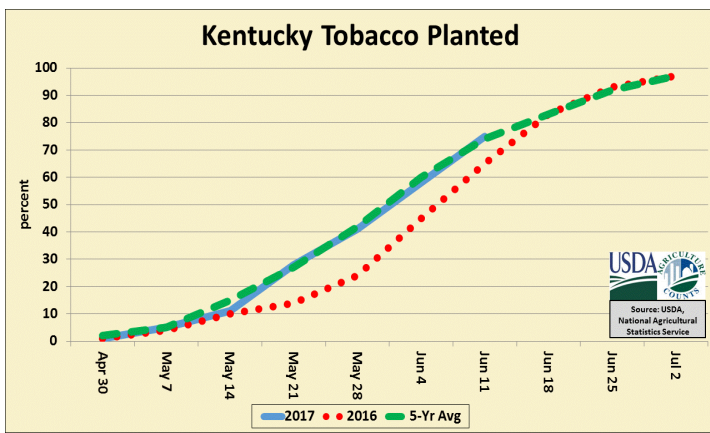
| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|------------------------|-----------|-----------|-----------|----------|
| | % | % | % | % |
| Corn Emerged | 92 | 83 | 87 | 92 |
| Soybeans Planted | 73 | 60 | 64 | 68 |
| Soybeans Emerged | 51 | 38 | 39 | 50 |
| Tobacco Set | 75 | 58 | 65 | 74 |
| Winter Wheat Mature | 91 | 64 | 63 | - |
| Winter Wheat Harvested | 21 | - | - | - |

- Represents not available.

CROP CONDITIONS for week ending 06/11/17

| Crop | Very Poor | Poor | Fair | Good | Excellent |
|-------------|-----------|------|------|------|-----------|
| | % | % | % | % | % |
| Corn | 1 | 2 | 12 | 69 | 16 |
| Pasture | 1 | 2 | 18 | 66 | 13 |
| Soybeans | 1 | 4 | 18 | 68 | 9 |
| Tobacco Set | 1 | 3 | 19 | 68 | 9 |
| Wheat | 1 | 16 | 28 | 45 | 10 |





**Kentucky Climate Summary
For the Period June 5, 2017 to June 11, 2017**

Below Normal Temperatures and Rainfall:

The week started out with a very moist air mass in place. Showers and storms progressed through the area over the course of Monday, ending with the passage of a cold front. For much of the state, this was the only rainfall for the week. Following the cold front, much cooler and less humid air pushed into Kentucky for the next few days. Most stayed in the 70s, but some in the Bluegrass only saw highs in the 60s on Wednesday. Other than some very light showers across the Bluegrass and Eastern Kentucky, most remained dry. The dry stretch continued into the weekend, but with southerly flow in place, temperatures rose each day. By Sunday, highs were once again in the middle to upper 80s.

Temperatures for the period averaged 68 degrees across the state which was 3 degrees cooler than normal and 2 degrees cooler than the previous period. High temperatures averaged from 81 in the West to 77 in the East. Departure from normal high temperatures ranged from 3 degrees cooler than normal in the West to 5 degrees cooler than normal in the East. Low temperatures averaged from 60 degrees in the West to 57 degrees in the East. Departure from normal low temperatures ranged from 2 degrees cooler than normal in the West to near normal in the East. The extreme high temperature for the period was 91 degrees at CAPE GIRARDEAU ASOS and the extreme low was 47 degrees at OWINGSVILLE 4S.

Precipitation (liq. equ.) for the period totaled 0.91 inches statewide which was 0.16 inches below normal and 85% of normal. Precipitation totals by climate division, West 1.13 inches, Central 1.09 inches, Bluegrass 0.45 inches and East 0.98 inches, which was 0.11, 0.01, -0.64 and -0.09 inches respectively from normal. By station, precipitation totals ranged from a low of 0.05 inches at HICKMAN 2E to a high of 3.96 inches at FORT CAMPBELL.

**KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 06/11/17 4 p.m.**

| Weather Station | Rainfall | | | Deviation From | | Air Temperatures | | | | Growing Degree Days | | |
|-----------------|-----------|-------------|----------------|-------------------|-------------------|------------------|-----------|------------|-----------------|---------------------|-------------|------------------|
| | Last Week | Since Apr 1 | Last Four Wks. | Norm. Since Apr 1 | Norm. Last 4 Wks. | High | Low | Wkly. Avg. | Dev. From Norm. | Last Week | Since Apr 1 | Dev. Since Apr 1 |
| | Inches | Inches | Inches | Inches | Inches | Degrees F | Degrees F | Degrees F | Degrees F | Degrees F | Degrees F | Degrees F |
| Bardstown | 0.34 | 7.86 | 2.41 | -1.83 | -1.38 | 87 | 51 | 68 | -4 | 129 | 1,085 | 42 |
| Berea | 0.97 | 10.08 | 4.16 | -0.44 | 0.07 | 88 | 48 | 67 | -4 | 116 | 1,006 | -74 |
| Bowling Green | 1.49 | 13.67 | 7.37 | 2.88 | 3.13 | 89 | 52 | 70 | -2 | 140 | 1,236 | 159 |
| Bristol | 0.47 | 6.91 | 4.09 | -1.59 | 0.65 | 86 | 49 | 68 | -3 | 124 | 1,046 | 75 |
| Buckhorn Lake | 0.90 | 12.75 | 5.99 | 3.37 | 2.21 | 85 | 51 | 66 | -5 | 115 | 1,052 | 100 |
| Cape Girardeau | 0.39 | 17.59 | 2.66 | 6.70 | -1.46 | 89 | 54 | 73 | -1 | 158 | 1,224 | 89 |
| Campbellsville | 0.96 | 12.74 | 5.97 | 1.28 | 1.60 | 86 | 49 | 67 | -5 | 117 | 1,050 | -15 |
| Covington | 0.06 | 11.43 | 3.10 | 1.99 | -0.66 | 87 | 50 | 68 | -3 | 129 | 966 | 52 |
| Cumberland Gap | 0.69 | 14.83 | 4.98 | 4.38 | 0.78 | 85 | 50 | 67 | -4 | 120 | 1,064 | 85 |
| Dix Dam | 0.24 | 7.14 | 2.33 | -3.17 | -1.62 | 88 | 50 | 68 | -3 | 125 | 1,048 | 22 |
| Evansville | 0.11 | 14.18 | 1.49 | 4.13 | -2.39 | 91 | 52 | 73 | -1 | 159 | 1,210 | 155 |
| Glasgow | 1.71 | 11.58 | 5.09 | 0.28 | 0.63 | 86 | 51 | 69 | -3 | 131 | 1,142 | 120 |
| Grayson | 1.46 | 11.36 | 4.83 | 2.06 | 1.09 | 85 | 49 | 65 | -6 | 108 | 948 | 51 |
| Hardinsburg | 1.13 | 9.77 | 3.40 | -0.80 | -0.66 | 88 | 50 | 68 | -4 | 129 | 1,104 | 15 |
| Henderson | 0.10 | 8.97 | 2.12 | -1.23 | -1.76 | 89 | 54 | 72 | -2 | 152 | 1,197 | 91 |
| Huntington | 0.47 | 7.84 | 3.85 | -1.38 | 0.16 | 89 | 52 | 67 | -4 | 122 | 1,034 | 57 |
| Jackson | 1.36 | 13.13 | 6.32 | 3.15 | 2.46 | 85 | 53 | 68 | -3 | 123 | 1,114 | 162 |
| Lexington | 0.73 | 8.21 | 3.19 | -1.48 | -0.60 | 89 | 50 | 68 | -3 | 128 | 1,103 | 137 |
| London | 0.75 | 13.62 | 3.87 | 4.11 | 0.21 | 85 | 51 | 67 | -4 | 122 | 1,072 | 81 |
| Louisville | 0.29 | 9.50 | 2.33 | -0.62 | -1.47 | 90 | 56 | 72 | 0 | 155 | 1,285 | 241 |
| Mayfield | 0.88 | 11.01 | 4.52 | -0.29 | 0.54 | 88 | 53 | 70 | -4 | 140 | 1,156 | 14 |
| Nashville | 0.01 | 4.81 | 1.13 | -5.75 | -2.86 | 91 | 53 | 71 | -1 | 148 | 1,276 | 96 |
| Nolin Lake | 1.59 | 12.93 | 5.79 | 1.48 | 1.35 | 91 | 50 | 71 | -1 | 145 | 1,312 | 312 |
| Paducah | 1.02 | 14.37 | 2.65 | 2.94 | -1.54 | 89 | 54 | 72 | -2 | 156 | 1,265 | 148 |
| Princeton | 1.03 | 9.82 | 3.29 | -1.35 | -0.84 | 87 | 52 | 70 | -4 | 137 | 1,168 | 30 |
| Quicksand | 1.09 | 11.65 | 5.08 | 1.67 | 1.22 | 87 | 51 | 67 | -4 | 120 | 1,038 | 86 |
| Somerset | 0.83 | 12.95 | 5.94 | 1.98 | 1.61 | 85 | 48 | 66 | -5 | 112 | 1,008 | -6 |
| Spindletop | 0.75 | 12.66 | 3.93 | 2.97 | 0.14 | 88 | 51 | 69 | -2 | 132 | 1,081 | 115 |
| Williamstown | 0.07 | 13.41 | 5.15 | 3.47 | 1.35 | 85 | 50 | 66 | -5 | 116 | 956 | 5 |

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859) 218-4364.