



Crop Progress and Condition

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In Cooperation with:

Univ. of KY – Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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Agricultural News: Kentucky experienced below normal temperatures and above normal precipitation over the past week. Precipitation for the week totaled 1.41 inches, 0.28 inches above normal. Temperatures averaged 61 degrees for the week, 3 degrees below normal. **Topsoil moisture** was rated 2 percent short, 71 percent adequate and 27 percent surplus. **Subsoil moisture** was rated 3 percent short, 78 percent adequate, and 19 percent surplus. Days suitable for fieldwork averaged 3.0 out of a possible seven. Primary activities this week included planting corn, soybeans and tobacco, along with cutting of hay. Crop planting progress was hampered by rain and cool temperatures throughout the week. Bottom land remains too wet to plant in most areas. Wet, cool conditions have impacted emerged grains and hay crops. Crops could benefit from warmer and drier conditions. Some corn ground has been replanted due to flooding. Producers were spraying fungicides on wheat and herbicides on corn and soybean fields. Tobacco transplant supplies were reported as 4 percent short, 90 percent adequate, and 6 percent surplus. Fourteen percent of tobacco transplants were less than 2 inches in height, with 47 percent between 2-4 inches, and 39 percent over 4 inches. Strawberries bloomed late due to prolonged winter and the freeze in mid-April. Strawberry fruit size was reported as 9 percent below average, 72 percent average, with 19 percent above average.

SOIL MOISTURE for week ending 05/18/14

| | Very Short | Short | Adequate | Surplus |
|---------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Topsoil | - | 2 | 71 | 27 |
| Subsoil | - | 3 | 78 | 19 |

- Represents zero.

CROP PROGRESS for week ending 05/18/14

| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|---------------------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Corn Planted | 74 | 64 | 54 | 69 |
| Corn Emerged | 50 | 32 | 33 | 54 |
| Soybeans Planted | 14 | 8 | 5 | 21 |
| Soybeans Emerged | 4 | - | - | 10 |
| Tobacco Set | 21 | 9 | 11 | 18 |
| Winter Wheat Headed | 79 | 37 | 80 | 88 |

- Represents data not available.

CROP CONDITIONS for week ending 05/18/14

| Crop | Very Poor | Poor | Fair | Good | Excellent |
|---------|----------------|----------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Corn | 1 | 2 | 25 | 61 | 11 |
| Hay | 2 | 7 | 28 | 52 | 11 |
| Pasture | 2 | 6 | 23 | 54 | 15 |
| Wheat | 2 | 6 | 22 | 50 | 20 |

- Represents zero.

Kentucky Climate Summary
For the Period May 12, 2014 to May 18, 2014

Below Normal Temperatures and Above Normal Precipitation:

All eyes this past period were focused on a return to cool temperatures and the threat of a late season spring frost. An upper level low made headway into the Ohio Valley Wednesday and through the remainder of the week with several disturbances rotating around the system. The most prominent event came Wednesday with widespread showers accompanied by some severe weather. Flash flooding and hail around 1 inch were reported on several occasions. An EF2 tornado was even confirmed in Christian County with estimated peak winds of 125 mph. The bigger story was the unseasonably cool temperatures as highs Thursday through Saturday only peaked in the upper 50s to mid 60s. Lows were also well below normal with temperatures dipping into the upper 30s to mid 40s for much of the state Friday and Saturday night. Saying this, some low lying and sheltered locations across the eastern half of Kentucky got into the mid 30s, bringing patchy frost back into the picture. This frost event occurred at a time when much of Kentucky had less than a 10% chance of seeing another 36 degree reading based on the past 30 years of data.

Temperatures for the period averaged 61 degrees across the state which was 3 degrees cooler than normal and 10 degrees cooler than the previous period. High temperatures averaged from 69 in the West to 72 in the East. Departure from normal high temperatures ranged from 8 degrees cooler than normal in the West to 4 degrees cooler than normal in the East. Low temperatures averaged from 53 degrees in the West to 52 degrees in the East. Departure from normal low temperature ranged from 2 degrees cooler than normal in the West to 3 degrees warmer than normal in the East. The extreme high temperature for the period was 90 degrees at LOUISA 1S and the extreme low was 33 degrees at PAINTSVILLE 4W.

Precipitation (liq. equ.) for the period totaled 1.41 inches statewide which was 0.28 inches above normal and 125% of normal. Precipitation totals by climate division, West 1.71 inches, Central 1.81 inches, Bluegrass 1.40 inches and East 0.72 inches, which was 0.53, 0.62, 0.33 and -0.37 inches respectively from normal. By station, precipitation totals ranged from a low of 0.13 inches at LONDON to a high of 3.03 inches at CAMPBELLSVILLE 7W.

KENTUCKY TEMPERATURES AND RAIN FALL
FOR WEEK ENDING SUNDAY, 05/18/14 4 p.m.

| Weather Station | Precipitation | | Deviation From Norm Since Jan 1 | Temperatures | | | | | Air Temp. Dev. From Normal |
|-----------------|---------------|-------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------------------|
| | Last Week | Since Jan 1 | | Soil 4 In. High | | Air High | | Wkly. Avg. | |
| | (Inches) | (Inches) | (Inches) | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit) | (Degrees Fahrenheit) |
| Bardstown | 2.46 | 20.91 | 3.96 | 68 | 57 | 85 | 37 | 62 | -4 |
| Berea | 1.11 | 20.60 | 3.50 | 68 | 57 | 87 | 36 | 61 | -4 |
| Bowling Green | 1.62 | 20.38 | 0.14 | 75 | 63 | 88 | 43 | 63 | -3 |
| Bristol | 1.22 | 11.37 | -4.56 | 75 | 63 | 91 | 41 | 64 | -1 |
| Buckhorn Lake | 0.46 | 17.56 | -0.05 | 75 | 63 | 86 | 37 | 61 | -4 |
| Cape Girardeau | 2.53 | 17.62 | -1.07 | 75 | 63 | 81 | 42 | 60 | -8 |
| Campbellsville | 3.03 | 22.95 | 2.67 | 75 | 63 | 86 | 38 | 61 | -5 |
| Covington | 2.09 | 16.90 | 1.14 | 68 | 57 | 89 | 36 | 61 | -4 |
| Cumberland Gap | 0.65 | 19.84 | -0.41 | 75 | 63 | 86 | 40 | 62 | -3 |
| Dix Dam | 1.52 | 18.66 | 0.97 | 68 | 57 | 85 | 38 | 61 | -4 |
| Evansville | 2.45 | 20.76 | 3.49 | 68 | 57 | 82 | 42 | 59 | -9 |
| Glasgow | 2.17 | 22.21 | 1.61 | 75 | 63 | 85 | 43 | 62 | -4 |
| Grayson | 1.15 | 19.49 | 4.23 | 68 | 57 | 89 | 35 | 61 | -4 |
| Hardinsburg | 1.65 | 22.49 | 3.38 | 68 | 57 | 84 | 39 | 61 | -5 |
| Henderson | 1.45 | 20.36 | 2.58 | 68 | 57 | 87 | 41 | 60 | -8 |
| Huntington | 0.26 | 18.45 | 3.27 | 68 | 57 | 88 | 36 | 62 | -3 |
| Jackson | 0.81 | 19.74 | 1.81 | 68 | 57 | 87 | 38 | 63 | -2 |
| Lexington | 2.37 | 19.25 | 2.30 | 68 | 57 | 86 | 38 | 62 | -3 |
| London | 0.13 | 17.64 | -0.25 | 68 | 57 | 88 | 41 | 63 | -2 |
| Louisville | 1.32 | 18.31 | 0.58 | 68 | 57 | 88 | 43 | 63 | -3 |
| Mayfield | 2.33 | 24.34 | 2.60 | 75 | 63 | 87 | 45 | 62 | -6 |
| Nashville | 1.76 | 21.66 | 2.20 | 75 | 63 | 89 | 48 | 65 | -1 |
| Nolin Lake | 2.46 | 23.14 | 3.41 | 75 | 63 | 89 | 41 | 65 | -1 |
| Paducah | 1.82 | 19.05 | -0.92 | 75 | 63 | 83 | 46 | 63 | -5 |
| Princeton | 1.55 | 21.13 | 0.28 | 68 | 57 | 85 | 41 | 61 | -7 |
| Quicksand | 0.49 | 19.23 | 1.30 | 68 | 57 | 86 | 38 | 62 | -3 |
| Somerset | 1.05 | 23.62 | 4.24 | 75 | 63 | 83 | 38 | 60 | -5 |
| Spindletop | 2.85 | 20.25 | 3.30 | 68 | 57 | 86 | 39 | 62 | -3 |
| Williamstown | 1.63 | 19.47 | 2.75 | 75 | 63 | 84 | 37 | 60 | -5 |

The above information is provided by Tom, Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859) 257-3000 ext 245. Additional weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>