



# Crop Progress and Condition

**USDA, NASS, Kentucky Field Office**

David Knopf, Director  
PO Box 1120  
Louisville, Kentucky 40201-1120  
(502) 582-5293 or 1-800-928-5277  
Email: nassrfoemr@nass.usda.gov

**In Cooperation with:**

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

Released: April 20, 2015

Issue: 07-15

**Agricultural News:** Kentucky experienced much above normal temperatures and rainfall over the past week. Precipitation for the week totaled 2.69 inches, 1.70 inches above normal. Temperatures averaged 64 degrees for the week, 8 degrees above normal. **Topsoil moisture** was rated 0 percent very short, 0 percent short, 36 percent adequate and 64 percent surplus. **Subsoil moisture** was rated 0 percent very short, 1 percent short, 50 percent adequate, and 49 percent surplus. Days suitable for fieldwork averaged 1.3 out of a possible seven.

Wet conditions continued as most ground is saturated and many low lying areas are under water. The state is in need of sunshine and dry conditions as field work was limited this week. Primary activities this week included preparing farm equipment for planting, seeding pastures, and seeding tobacco transplants. Farmers are anxious to plant corn as soon as field conditions permit. Many locations are now 2-3 weeks behind schedule and considering switching some acres to soybeans or sorghum.

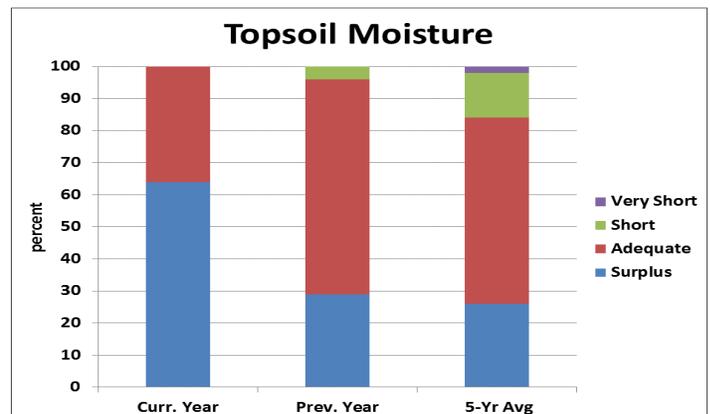
Canola has bloomed and the crop continues to look good. Wheat is still rated in mostly good condition. However, some wheat is showing signs of too much water, especially in low lying areas. Wheat will soon begin to head. Producers will be on the lookout for Fusarium Head Blight which thrives in wet and warm weather. The average height of winter wheat was 13 inches, compared to 7 inches last week.

Cloudy days have slowed the development of tobacco transplants in the greenhouse. Sixty-one percent of tobacco transplants were under 2 inches, with 32 percent between 2-4 inches, and 7 percent over 4 inches. Lush pastures have reduced the need for hay, but livestock producers are supplementing high magnesium mineral to reduce risk of grass tetany. Rainy conditions have promoted good alfalfa hay growth with the average height at 7 inches.

**SOIL MOISTURE for week ending 04/19/15**

|         | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
|         | %          | %     | %        | %       |
| Topsoil | -          | -     | 36       | 64      |
| Subsoil | -          | 1     | 50       | 49      |

- Represents zero.



**CROP PROGRESS for week ending 04/19/15**

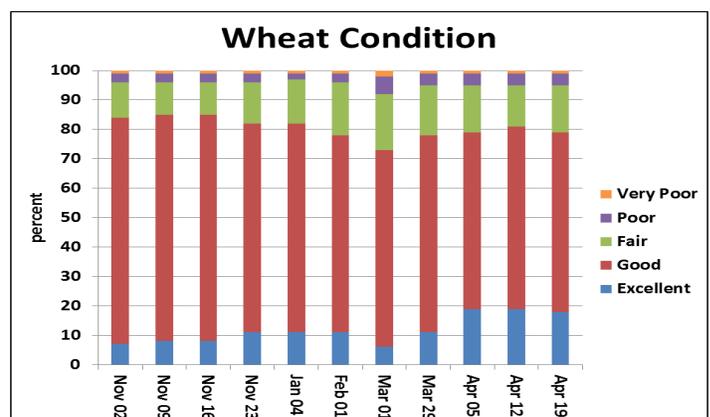
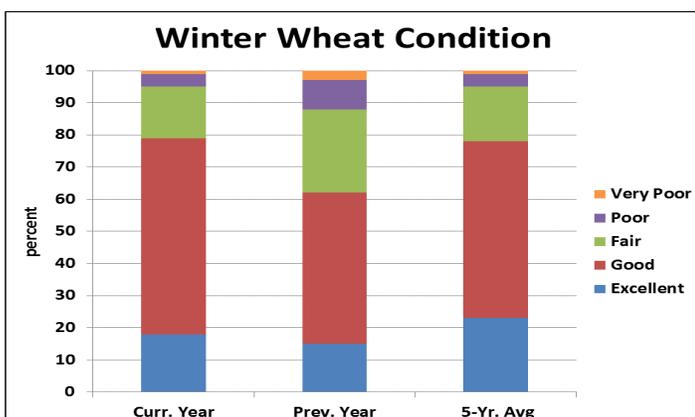
| Crop Stage                 | This Week | Last Week | Last Year | 5-Yr Avg |
|----------------------------|-----------|-----------|-----------|----------|
|                            | %         | %         | %         | %        |
| Corn Planted               | 2         | 1         | 9         | 29       |
| Tobacco Transplants Seeded | 85        | 77        | 90        | 89       |
| Winter Wheat Headed        | -         | -         | -         | 17       |

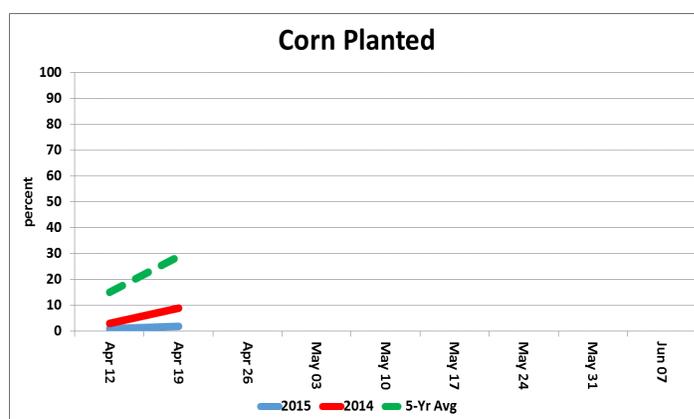
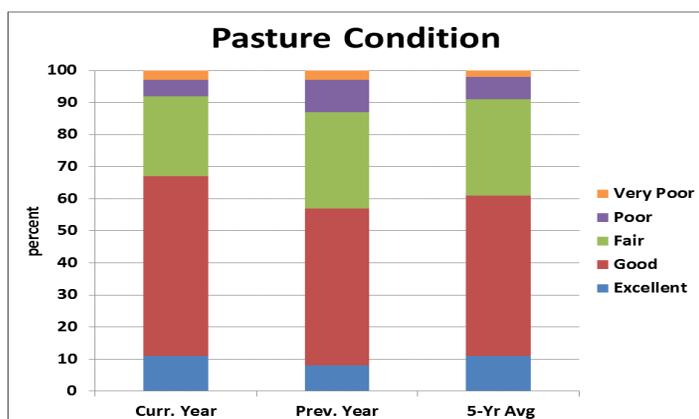
- Represents zero.

**CROP CONDITIONS for week ending 04/19/15**

| Crop                | Very Poor | Poor | Fair | Good | Excellent |
|---------------------|-----------|------|------|------|-----------|
|                     | %         | %    | %    | %    | %         |
| Pasture             | 3         | 5    | 25   | 56   | 11        |
| Tobacco Transplants | -         | 2    | 17   | 67   | 14        |
| Wheat               | 1         | 4    | 16   | 61   | 18        |

- Represents zero.





**Kentucky Climate Summary  
For the Period April 13, 2015 to April 19, 2015**

Much Above Normal Temperatures and Rainfall:

The rain kept on coming for the Bluegrass State this past period as many continued to inch toward a record breaking April. For the past week, the state averaged over two and a half inches, which made for the third straight week of above normal rainfall. Looking at data from the National Weather Service in Louisville, the cities of Louisville, Lexington, Bowling Green, and Frankfort are already in the top five for wettest April's on record. Rainfall was consistent throughout the week with a near daily chance for showers and storms. The only downtime was Friday and Saturday as weak high pressure pushed into the area. Temperature-wise, it was once again another mild week for the Commonwealth, mainly due to cloud cover keeping temperatures elevated at night. Lows typically only dropped into the 50s each day. Normal low temperatures for this time of the year are in the mid to upper 40s.

Temperatures for the period averaged 64 degrees across the state which was 8 degrees warmer than normal and no change to the previous period. High temperatures averaged from 72 in the West to 72 in the East. Departure from normal high temperatures ranged from 2 degrees warmer than normal in the West to 3 degrees warmer than normal in the East. Low temperatures averaged from 57 degrees in the West to 55 degrees in the East. Departure from normal low temperature ranged from 11 degrees warmer than normal in the West to 15 degrees warmer than normal in the East. The extreme high temperature for the period was 85 degrees at LOUISA 1S and the extreme low was 43 degrees at VANCEBURG 6W.

Precipitation (liq. equ.) for the period totaled 2.69 inches statewide which was 1.7 inches above normal and 271% of normal. Precipitation totals by climate division, West 2.94 inches, Central 3.57 inches, Bluegrass 1.87 inches and East 2.40 inches, which was 1.82, 2.57, 0.96 and 1.46 inches above normal. By station, precipitation totals ranged from a low of 0.71 inches at CARROLLTON 2E to a high of 5.09 inches at BOWLING GREEN 5S.

**KENTUCKY TEMPERATURES AND RAIN FALL  
FOR WEEK ENDING SUNDAY, 04/19/15 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)       |
| Bardstown       | 1.98          | 23.14       | 10.21                           | 68                   | 59                   | 79                   | 52                   | 64                   | 7                          |
| Berea           | 4.07          | 21.90       | 9.15                            | 68                   | 59                   | 77                   | 49                   | 62                   | 7                          |
| Bowling Green   | 4.69          | 20.20       | 4.41                            | 68                   | 59                   | 81                   | 53                   | 65                   | 8                          |
| Bristol         | 1.93          | 13.00       | 0.54                            | 68                   | 59                   | 80                   | 49                   | 63                   | 8                          |
| Buckhorn Lake   | 2.55          | 18.63       | 4.78                            | 68                   | 59                   | 80                   | 49                   | 63                   | 8                          |
| Cape Girardeau  | 1.85          | 18.80       | 4.74                            | 63                   | 59                   | 78                   | 53                   | 65                   | 6                          |
| Campbellsville  | 3.50          | 23.15       | 7.62                            | 68                   | 59                   | 78                   | 50                   | 63                   | 6                          |
| Covington       | 0.72          | 14.53       | 2.64                            | 68                   | 59                   | 78                   | 51                   | 64                   | 9                          |
| Cumberland Gap  | 2.07          | 20.45       | 4.49                            | 68                   | 59                   | 81                   | 50                   | 64                   | 9                          |
| Dix Dam         | 3.49          | 19.88       | 6.49                            | 68                   | 59                   | 76                   | 52                   | 62                   | 7                          |
| Evansville      | 2.28          | 18.35       | 5.31                            | 68                   | 59                   | 80                   | 52                   | 65                   | 6                          |
| Glasgow         | 4.51          | 21.26       | 5.27                            | 63                   | 59                   | 78                   | 53                   | 64                   | 7                          |
| Grayson         | 2.52          | 21.18       | 9.72                            | 68                   | 59                   | 80                   | 47                   | 63                   | 8                          |
| Hardinsburg     | 3.18          | 18.68       | 3.98                            | 68                   | 59                   | 82                   | 53                   | 65                   | 8                          |
| Henderson       | 1.55          | 16.63       | 3.05                            | 68                   | 59                   | 80                   | 52                   | 64                   | 5                          |
| Huntington      | 2.70          | 18.99       | 7.60                            | 68                   | 59                   | 82                   | 50                   | 62                   | 7                          |
| Jackson         | 3.01          | 21.44       | 7.61                            | 68                   | 59                   | 82                   | 50                   | 64                   | 9                          |
| Lexington       | 1.71          | 21.86       | 8.93                            | 63                   | 59                   | 77                   | 52                   | 63                   | 8                          |
| London          | 2.30          | 17.54       | 3.56                            | 68                   | 59                   | 82                   | 51                   | 64                   | 9                          |
| Louisville      | 1.80          | 20.25       | 6.75                            | 68                   | 59                   | 81                   | 53                   | 66                   | 9                          |
| Mayfield        | 3.22          | 19.60       | 2.62                            | 68                   | 59                   | 78                   | 52                   | 65                   | 6                          |
| Nashville       | 3.27          | 17.02       | 1.99                            | 68                   | 59                   | 81                   | 44                   | 65                   | 8                          |
| Nolin Lake      | 3.94          | 22.80       | 7.91                            | 68                   | 59                   | 84                   | 53                   | 66                   | 9                          |
| Paducah         | 2.76          | 21.44       | 6.18                            | 63                   | 59                   | 80                   | 52                   | 66                   | 7                          |
| Princeton       | 4.14          | 18.87       | 2.66                            | 68                   | 59                   | 79                   | 52                   | 64                   | 5                          |
| Quicksand       | 2.79          | 20.59       | 6.76                            | 68                   | 59                   | 82                   | 46                   | 62                   | 7                          |
| Somerset        | 4.48          | 22.20       | 7.36                            | 68                   | 56                   | 80                   | 51                   | 64                   | 9                          |
| Williamstown    | 1.66          | 17.90       | 5.26                            | 68                   | 59                   | 78                   | 51                   | 62                   | 7                          |

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