



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

USDA, NASS, Kentucky Field Office
PO Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky – Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

DAVID KNOPF, Director

Released weekly April - November

Issued 4:00 P.M., August 5, 2013

19-13

Agricultural News: This week consisted of unseasonably cool conditions. Precipitation for the week totaled 0.56 inches, 0.41 in below normal. Temperature for the week averaged 71 degrees, 6 degrees cooler than normal. **Topsoil moisture** was rated 1 percent very short, 8 percent short, 76 percent adequate and 15 percent surplus. **Subsoil moisture** was rated 1 percent very short, 5 percent short, 79 percent adequate, and 15 percent surplus. Days suitable for fieldwork averaged 5.3 out of a possible seven.

Crops: **Corn** silking was rated at 84 percent compared to 95 percent last year and the five-year average of 89 percent. Fifty-three percent of corn reached the milk stage, compared to 80 percent last year and the five-year average of 64 percent. Twenty-six percent of corn reached the dough stage, compared to 60 percent last year and the five-year average of 41 percent. Nine percent of corn reached the dent stage, compared to the 42 percent last year and the five-year average of 20 percent. Condition of the corn crop was rated as 1 percent very poor, 2 percent poor, 9 percent fair, 48 percent good, and 40 percent excellent. **Soybean** blooming reached 54 percent complete, compared to 78 percent last year and the five-year average of 72 percent. Soybean setting pods reached 28 percent, compared with 55 percent last year and the five-year average of 41 percent. Condition of the soybean crop was rated 2 percent poor, 11 percent fair, 60 percent good, and 27 percent excellent.

Tobacco: Sixty percent of Burley tobacco was blooming compared to 62 percent last year and 58 percent for the five-year average. Burley was 33 percent topped, equal to last year and the five-year average. Dark tobacco reached 80 percent blooming, behind last year at 85 percent and the

five-year average of 82 percent. Sixty percent of dark tobacco was topped compared to 69 percent last year and 61 percent for the five-year average. Condition of set tobacco was rated as 4 percent very poor, 9 percent poor, 22 percent fair, 48 percent good, and 17 percent excellent.

Pasture: Pasture condition was reported as 1 percent very poor, 3 percent poor, 17 percent fair, 57 percent good, and 22 percent excellent.

CROP PROGRESS for week ending 08/04/13

| Crop Stage | This Week | Last Week | Last Year | 5-Yr Avg |
|-------------------------|-----------|-----------|-----------|----------|
| Percent | | | | |
| Corn Silking | 84 | 69 | 95 | 89 |
| Corn Milked | 53 | 26 | 80 | 64 |
| Corn Dough | 26 | 8 | 60 | 41 |
| Corn Dent | 9 | N/A | 42 | 20 |
| Soybeans Blooming | 54 | 41 | 78 | 72 |
| Soybeans Setting Pods | 28 | 16 | 55 | 41 |
| Burley Tobacco Blooming | 60 | 47 | 62 | 58 |
| Burley Tobacco Topped | 33 | 21 | 33 | 33 |
| Dark Tobacco Blooming | 80 | 66 | 85 | 82 |
| Dark Tobacco Topped | 60 | 40 | 69 | 61 |

SOIL MOISTURE for week ending 08/04/13

| | Very Short | Short | Adequate | Surplus |
|---------|------------|-------|----------|---------|
| Percent | | | | |
| Topsoil | 1 | 8 | 76 | 15 |
| Subsoil | 1 | 5 | 79 | 15 |

CROP CONDITIONS for week ending 08/04/13

| Crop | Very Poor | Poor | Fair | Good | Ex |
|-------------|-----------|------|------|------|----|
| Percent | | | | | |
| Corn | 1 | 2 | 9 | 48 | 40 |
| Soybeans | 0 | 2 | 11 | 60 | 27 |
| Pasture | 1 | 3 | 17 | 57 | 22 |
| Tobacco Set | 4 | 9 | 22 | 48 | 17 |

KENTUCKY WEATHER SUMMARY, JULY 29 - AUGUST 4, 2013:

Well Below Normal Temperatures and Below Normal Rainfall:

Dry, cool, and comfortable conditions were the dominant factors over much of this past period. Surface high pressure was in control to begin the work week with dry conditions and temperatures hovering in the upper 70s to low 80s. This feature then moved on to the east through the day Tuesday allowing for a minor rainfall event to unfold later that night and into Wednesday. Scattered to widespread, light to moderate showers only allowed for most locations to pick up less than a tenth of an inch. Dense cloud cover kept temperatures in the upper 70s through Wednesday. Another area of weak high pressure moved into the Ohio Valley to close the week before a cold front dropped across the region on Saturday. This brought another round of scattered showers and isolated storms to the region, but once again, rainfall totals were meager with most recording less than a tenth of an inch. Overall, rainfall for the week was below normal by nearly a half inch. This made for the 3rd week out of the past month that has been below normal. In addition, high temperatures in the upper 70s to around 80 and lows dropping into the low 60s paved the way for temperatures to average 6 degrees below normal for the week. This was the highest below normal deviation since the end of March.

Temperatures for the period averaged 71 degrees across the state which was 6 degrees cooler than normal and 2 degrees cooler than the previous period. High temperatures averaged from 80 in the West to 79 in the East. Departure from normal high temperatures ranged from 9 degrees cooler than normal in the West to 8 degrees cooler than normal in the East. Low temperatures averaged from 65 degrees in the West to 62 degrees in the East. Departure from normal low temperature ranged from 2 degrees cooler than normal in the West to 2 degrees cooler than normal in the East. The extreme high temperature for the period was 86 degrees at LOUISVILLE APT and the extreme low was 48 degrees at MCKEE 5S.

Precipitation (liq. equ.) for the period totaled 0.56 inches statewide which was 0.41 inches below normal and 58% of normal. Precipitation totals by climate division, West 1.06 inches, Central 0.40 inches, Bluegrass 0.31 inches and East 0.46 inches, which was 0.13, -0.55, -0.65 and -0.58 inches respectively from normal. By station, precipitation totals ranged from a low of 0.04 inches at LOUISA 1S to a high of 1.95 inches at PRINCETON 2SE.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 4, 7:00 P.M.

| Weather Station | Rainfall | | Dev. From Norm | | Air Temperature | | | Growing Degree Days | | | | |
|-----------------|-----------------|----------------|----------------|------------------|-----------------|-------------|-------------|---------------------|-------------|-------------|------|------|
| | Since Last Week | Last Four Wks. | Since Apr 1 | Norm Last 4 Wks. | Hi | Lo | Avg. | From Norm | Last Week | Since Apr 1 | | |
| | (Inches) | (Inches) | (Degrees F) | (Degrees F) | (Degrees F) | (Degrees F) | (Degrees F) | (Degrees F) | (Degrees F) | (Degrees F) | | |
| Bardstown | 0.26 | 18.88 | 2.49 | +1.36 | -1.89 | 83 | 53 | 71 | -5 | 146 | 2245 | -83 |
| Berea | 0.36 | 22.55 | 3.67 | +4.60 | -0.27 | 82 | 51 | 69 | -6 | 134 | 2138 | -240 |
| Bowling Green | 0.16 | 23.78 | 3.40 | +5.16 | -0.72 | 85 | 55 | 74 | -2 | 165 | 2574 | +155 |
| Bristol | 0.44 | 24.84 | 4.69 | +9.37 | +0.94 | 85 | 55 | 72 | -3 | 150 | 2132 | -70 |
| Buckhorn Lake | 0.21 | 18.94 | 1.59 | +1.62 | -2.63 | 83 | 52 | 69 | -6 | 136 | 2182 | +75 |
| Cape Girardeau | 0.49 | 16.91 | 0.72 | -0.17 | -2.47 | 88 | 59 | 75 | -3 | 172 | 2485 | -52 |
| Campbellsville | 0.47 | 24.22 | 2.70 | +4.17 | -2.05 | 82 | 52 | 70 | -6 | 137 | 2174 | -182 |
| Covington | 0.33 | 20.09 | 1.95 | +3.55 | -1.76 | 83 | 54 | 70 | -5 | 141 | 2256 | +95 |
| Cumberland Gap | 0.94 | 24.69 | 3.26 | +5.71 | -1.38 | 83 | 52 | 71 | -4 | 144 | 2196 | +11 |
| Dix Dam | 0.83 | 27.42 | 4.69 | +9.33 | +0.35 | 83 | 53 | 70 | -5 | 142 | 2179 | -137 |
| Evansville | 0.00 | 19.32 | 2.54 | +2.62 | -0.99 | 91 | 58 | 75 | -3 | 173 | 2457 | +48 |
| Glasgow | 0.37 | 24.37 | 2.40 | +4.33 | -2.23 | 82 | 53 | 72 | -4 | 154 | 2321 | -16 |
| Grayson | 0.07 | 19.31 | 2.90 | +2.24 | -1.35 | 82 | 51 | 70 | -5 | 138 | 2126 | +76 |
| Hardinsburg | 0.59 | 19.84 | 1.26 | +1.61 | -2.92 | 84 | 53 | 71 | -5 | 150 | 2281 | -151 |
| Henderson | 1.47 | 18.84 | 4.05 | +1.74 | +0.47 | 84 | 56 | 72 | -6 | 154 | 2375 | -84 |
| Huntington | 0.10 | 17.83 | 3.05 | +0.83 | -1.28 | 84 | 53 | 71 | -4 | 148 | 2340 | +121 |
| Jackson | 0.18 | 21.03 | 3.24 | +2.86 | -1.34 | 83 | 55 | 70 | -5 | 140 | 2239 | +132 |
| Lexington | 0.19 | 26.75 | 4.77 | +9.23 | +0.39 | 85 | 54 | 71 | -4 | 150 | 2334 | +91 |
| London | 0.51 | 25.44 | 2.23 | +8.45 | -1.88 | 83 | 51 | 70 | -5 | 137 | 2163 | -59 |
| Louisville | 0.13 | 17.26 | 2.80 | -0.02 | -1.15 | 86 | 59 | 74 | -2 | 168 | 2591 | +197 |
| Mayfield | 1.55 | 28.77 | 4.15 | +10.36 | +0.18 | 85 | 59 | 73 | -5 | 160 | 2414 | -51 |
| Nashville | 0.47 | 21.19 | 2.65 | +3.95 | -0.87 | 89 | 60 | 76 | 0 | 180 | 2614 | +30 |
| Nolin Lake | 0.19 | 21.83 | 1.39 | +2.37 | -3.00 | 85 | 53 | 73 | -3 | 158 | 2506 | +277 |
| Paducah | 0.63 | 21.37 | 2.05 | +2.75 | -1.62 | 86 | 58 | 74 | -4 | 166 | 2467 | -36 |
| Princeton | 1.95 | 23.23 | 3.78 | +4.81 | -0.06 | 84 | 56 | 72 | -6 | 156 | 2362 | -135 |
| Quicksand | 0.19 | 19.32 | 2.06 | +1.15 | -2.52 | 84 | 53 | 71 | -4 | 147 | 2196 | +89 |
| Somerset | 0.53 | 21.89 | 2.42 | +2.83 | -1.87 | 82 | 50 | 69 | -6 | 134 | 2136 | -119 |
| Spindletop | 0.30 | 26.35 | 3.86 | +8.83 | -0.52 | 81 | 53 | 69 | -6 | 130 | 2096 | -147 |
| Williamstown | 0.61 | 23.34 | 3.00 | +6.00 | -0.99 | 81 | 54 | 70 | -5 | 137 | 2139 | -58 |