



KENTUCKY WEEKLY CROP & WEATHER REPORT



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

Kentucky Agricultural Statistics Service
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AGRICULTURAL NEWS: Storm systems at the end of the week brought much needed rain for crop development. These storms were followed by the warmest temperatures of 2005 with highs around the 90 degree mark. **Topsoil moisture** as of Friday, June 3 was rated 1 percent very short, 33 percent short, 64 percent adequate, and 2 percent surplus. **Subsoil moisture** was rated 1 percent very short, 23 percent short, 70 percent adequate, and 6 percent surplus. Days suitable for fieldwork averaged 5.0 out of a possible 7 days. Hay harvest continued in full swing until the weekend. Other major farm activities included planting soybeans, finishing up corn planting and transplanting tobacco. Small grain harvest has begun in the southern and western areas. Insect and disease have not been a significant problem so far this season.

TOBACCO: Tobacco transplanting continued at a good pace last week with 75 percent of burley tobacco set as of Sunday, June 5. A year ago 61 percent was set and the five year average was 52 percent. Dark tobacco was also 75 percent set, ahead of last year's 63 percent and the average of 68 percent. The set tobacco condition was rated 1 percent very poor, 2 percent poor, 15 percent fair, 64 percent good, and 18 percent excellent. Most producers report good tobacco stands with very little tobacco to be reset. As of Friday June 3, 95 percent of transplants were under 12 inches in height, with 5 percent 12-24 inches in height.

CORN: Planting was 99 percent completed as of Sunday, June 5, the same as last year. The five year average was 95 percent. Nearly 97 percent of the

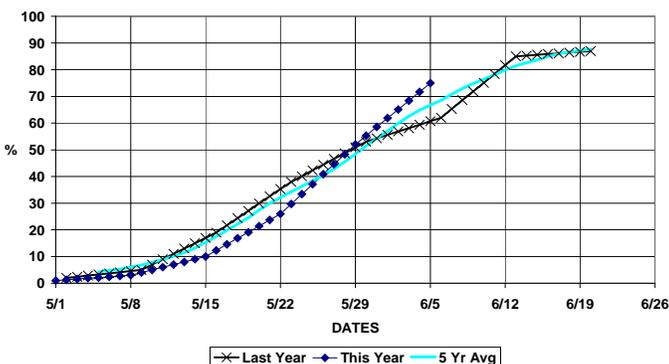
planted corn had emerged, similar to last year's 95 percent but ahead of the average of 90 percent. Emerged corn was rated 1 percent very poor, 3 percent poor, 25 percent fair, 53 percent good, and 18 percent excellent. The average corn height was 16 inches, with the most advanced fields at 26 inches.

SOYBEANS: Full season bean seeding was in the wind down mode while seeding of double crop beans should begin this week. As of Sunday, June 5, 81 percent of the crop had been planted, well ahead of both last year and the average of 54 percent. About 74 percent of the soybeans had emerged, also well ahead of last year's 44 percent and the average of 43 percent. Emerged soybeans were rated 1 percent poor, 20 percent fair, 61 percent good, and 18 percent excellent.

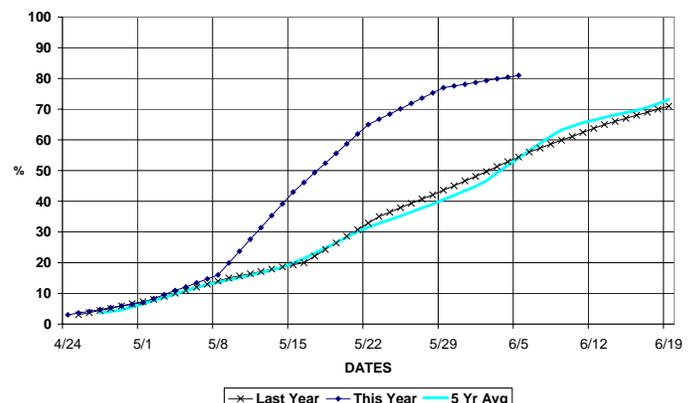
SMALL GRAINS: As of Friday, June 3, winter wheat condition was rated 4 percent poor, 19 percent fair, 49 percent good, and 28 percent excellent. Recent dry weather has been good for small grains. Barley harvest at 13 percent is just underway with good to excellent yield and quality reported. A few wheat fields were harvested late in the week.

OTHER CROPS: Pre-weekend rain was very beneficial to pasture condition but some hay was down and will have reduced quality. Pasture condition was rated 1 percent very poor, 4 percent poor, 25 percent fair, 57 percent good, and 13 percent excellent as of Friday, June 3. Sorghum planting was 85 percent complete as of Sunday, June 5.

BURLEY TOBACCO SET PROGRESS



SOYBEAN PLANTED PROGRESS



KENTUCKY CROP PROGRESS

WEEK ENDING JUNE 5, 2005
WITH COMPARISONS

| Crop Stage | This Week | Previous Year | 5-Yr. Avg. | Previous Week | |
|--------------------|-----------|---------------|------------|---------------|------|
| | | | | KY | U.S. |
| Percentage | | | | | |
| Corn | | | | | |
| Planted | 99 | 99 | 95 | 97 | NA |
| Emerged | 97 | 95 | 90 | 94 | 85 |
| Soybeans | | | | | |
| Planted | 81 | 54 | 54 | 77 | 81 |
| Emerged | 74 | 44 | 43 | 61 | 50 |
| Sorghum Planted | 85 | 79 | 58 | 60 | 51 |
| Barley Harvested | 13 | 52 | 35 | 2 | NA |
| Wheat Harvested | 2 | 3 | 3 | NA | NA |
| Burley Tobacco Set | 75 | 61 | 67 | 52 | NA |
| Dark Tobacco Set | 75 | 63 | 68 | 65 | NA |

(NA)Data Not Available.

SOIL MOISTURE

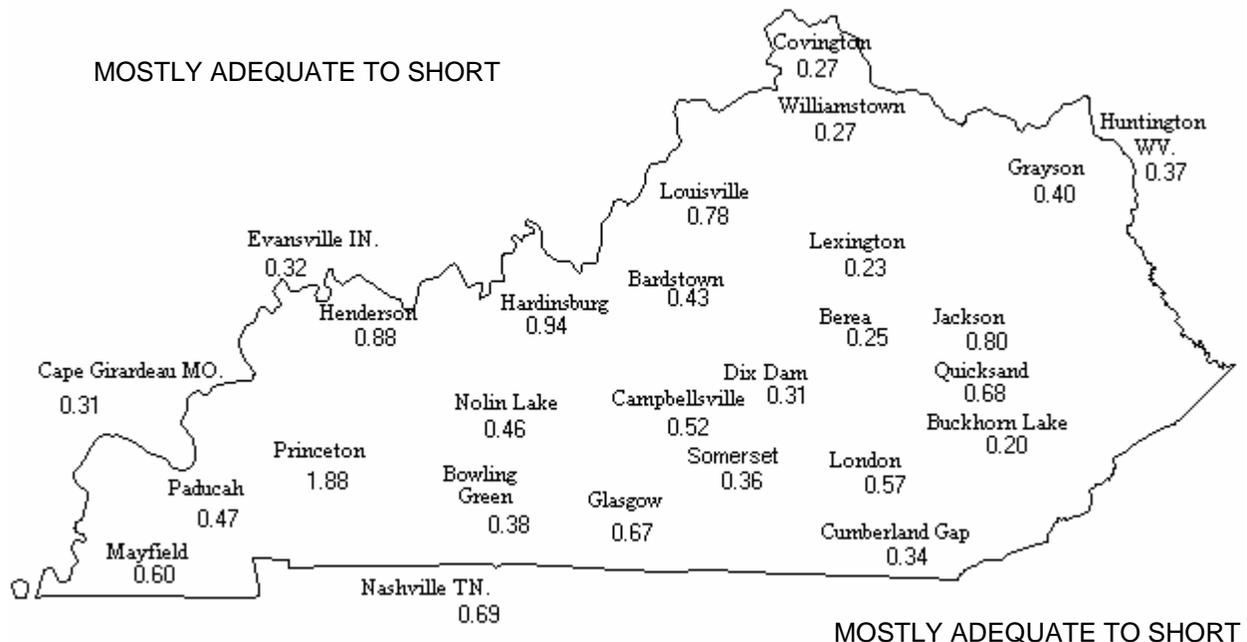
WEEK ENDING JUNE 3, 2005
WITH COMPARISONS

| | This Week | Previous Week |
|----------------|-----------|---------------|
| | | |
| TOPSOIL | | |
| Very Short | 1 | 2 |
| Short | 33 | 25 |
| Adequate | 64 | 68 |
| Surplus | 2 | 5 |
| SUBSOIL | | |
| Very Short | 1 | 1 |
| Short | 23 | 19 |
| Adequate | 70 | 76 |
| Surplus | 6 | 4 |

KENTUCKY CROP CONDITIONS (Percent)

| CROP | WEEK ENDING JUNE 3, 2005 | | | | | WEEK ENDING MAY 27, 2005 | | | | |
|-------------|--------------------------|------|------|------|------------|--------------------------|------|------|------|------------|
| | VERY POOR | POOR | FAIR | GOOD | EXCEL-LENT | VERY POOR | POOR | FAIR | GOOD | EXCEL-LENT |
| Corn | 1 | 3 | 25 | 53 | 18 | 0 | 2 | 28 | 54 | 16 |
| Soybeans | 0 | 1 | 20 | 61 | 18 | 1 | 1 | 20 | 60 | 18 |
| Wheat | 0 | 4 | 19 | 49 | 28 | 0 | 3 | 21 | 50 | 26 |
| Pasture | 1 | 4 | 25 | 57 | 13 | 0 | 3 | 25 | 54 | 18 |
| Tobacco Set | 1 | 2 | 15 | 64 | 18 | 0 | 2 | 24 | 58 | 16 |

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 5, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JUNE 3, 2005



KENTUCKY WEATHER SUMMARY, MAY 30 – JUNE 5, 2005:

Near Normal Temperatures and Below Normal Precipitation:

Some rain across the northern tier of the State on Monday kept temperatures quite cool there, but by Tuesday a weak high pressure system settled in as highs were near 80 degrees under mostly sunny skies. By mid-week, the weather pattern began to change. A low pressure system that formed over the Gulf of Mexico slowly churned north bringing clouds and precipitation to the area. The rain was generally light, but the low pressure system allowed showers to pop up across the State through Friday limiting activity outdoors. Conditions dried out in time for the weekend, but hot temperatures moved in. After dense fog cleared on Saturday morning, highs climbed above normal into the middle and upper 80's. Sunday was the warmest day of the season so far as a record high of 88 degrees was tied in Jackson and Louisville and Lexington hit their first 90 degree day. Dew points near 70 degrees and light winds allowed heat indices to climb into the middle 90's, and livestock heat stress was in the danger category for several hours on Sunday afternoon.

Temperatures for the period averaged 70 degrees across the State which was 1 degree below normal. High temperatures averaged from 81 in the West to 80 in the East. Departure from normal high temperatures ranged from 4 degrees below normal in the West to 0 degrees from normal in the East. Low temperatures averaged from 62 degrees in the West to 59 degrees in the East. Departure from normal low temperature ranged from 1 degree above normal in the West to 1 degree below normal in the East. The extreme high temperature was 93 in Paducah. The extreme low temperature was 49 at Covington and Spindletop. Rainfall for the period totaled 0.51 inches statewide which was 0.43 inches below normal. Precipitation totals by climate division, West 0.74 inches, Central 0.61 inches, Bluegrass 0.24 inches and East 0.47 inches, which was 0.18, 0.36, 0.68 and 0.48 inches respectively below normal. By station, precipitation totals ranged from a low of 0.09 inches at Spindletop to a high of 1.88 inches at Princeton.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JUNE 5, 7:00 P.M.

| Weather Station | Rainfall | | | Deviation From | | Air Temperature | | | | Growing Degree Days | | |
|-----------------|-----------|---------------|---------------|----------------------|-----------------|-----------------|-----|------------|----------------|---------------------|--------------|-------------------|
| | Last Week | Since April 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) | | | (Degrees Fahrenheit) | | | | | | | | |
| Bardstown | 0.43 | 9.27 | 3.39 | +0.31 | -0.54 | 89 | 55 | 69.4 | -2 | 132 | 837 | -38 |
| Berea | 0.25 | 8.08 | 2.16 | -1.65 | -2.07 | 89 | 55 | 70.3 | +0 | 139 | 887 | -19 |
| Bowling Green | 0.38 | 8.62 | 2.83 | -1.34 | -1.53 | 92 | 52 | 71.1 | +0 | 142 | 873 | -38 |
| Bristol | 0.32 | 7.44 | 2.00 | -0.35 | -1.48 | 87 | 50 | 67.4 | -3 | 118 | 755 | -54 |
| Buckhorn Lake | 0.20 | 6.63 | 2.05 | -1.92 | -1.69 | 91 | 54 | 70.3 | +0 | 137 | 833 | +34 |
| Cape Girardeau | 0.31 | 8.46 | 3.06 | -1.74 | -1.37 | 94 | 53 | 72.9 | +0 | 152 | 923 | -24 |
| Campbellsville | 0.52 | 9.37 | 3.04 | -1.25 | -1.50 | 91 | 52 | 70.4 | -0 | 140 | 885 | -16 |
| Covington | 0.27 | 5.53 | 1.75 | -3.14 | -2.07 | 90 | 49 | 67.9 | -2 | 123 | 715 | -59 |
| Cumberland Gap | 0.34 | 5.52 | 1.29 | -4.08 | -2.99 | 91 | 52 | 70.3 | +0 | 137 | 836 | +32 |
| Dix Dam | 0.31 | 7.99 | 2.80 | -1.58 | -1.33 | 89 | 55 | 69.7 | -0 | 135 | 827 | -48 |
| Evansville | 0.32 | 4.73 | 2.65 | -4.62 | -1.46 | 91 | 55 | 69.9 | -3 | 135 | 835 | -46 |
| Glasgow | 0.67 | 10.35 | 3.38 | -0.03 | -1.14 | 92 | 52 | 71.9 | +1 | 146 | 980 | +134 |
| Grayson | 0.40 | 7.98 | 2.89 | -0.55 | -0.91 | 90 | 52 | 69.5 | -0 | 133 | 819 | +81 |
| Hardinsburg | 0.94 | 7.68 | 4.03 | -2.13 | -0.21 | 91 | 50 | 69.4 | -1 | 132 | 867 | -44 |
| Henderson | 0.88 | 7.97 | 4.25 | -1.47 | +0.24 | 91 | 54 | 70.6 | -2 | 139 | 878 | -33 |
| Huntington | 0.37 | 7.87 | 2.82 | -0.61 | -0.96 | 90 | 50 | 69.5 | -0 | 133 | 824 | +20 |
| Jackson | 0.80 | 10.77 | 3.30 | +1.55 | -0.66 | 88 | 55 | 69.1 | -1 | 131 | 859 | +60 |
| Lexington | 0.23 | 6.34 | 2.87 | -2.62 | -1.06 | 90 | 54 | 69.6 | -0 | 133 | 766 | -13 |
| London | 0.57 | 8.57 | 2.43 | -0.21 | -1.33 | 89 | 51 | 68.2 | -2 | 124 | 791 | -13 |
| Louisville | 0.78 | 8.85 | 5.31 | -0.58 | +1.31 | 90 | 56 | 68.9 | -2 | 129 | 815 | -66 |
| Mayfield | 0.60 | 5.07 | 1.26 | -5.55 | -3.02 | 91 | 54 | 70.2 | -3 | 137 | 841 | -131 |
| Nashville | 0.69 | 8.65 | 1.72 | -1.20 | -2.50 | 92 | 56 | 72.5 | +2 | 150 | 955 | -22 |
| Nolin Lake | 0.46 | 8.92 | 3.37 | -1.74 | -1.35 | 92 | 53 | 70.6 | -0 | 139 | 888 | +23 |
| Paducah | 0.47 | 5.84 | 1.29 | -4.78 | -3.05 | 93 | 54 | 72.6 | -0 | 152 | 945 | -2 |
| Princeton | 1.88 | 8.03 | 3.42 | -2.37 | -0.90 | 92 | 53 | 71.1 | -2 | 142 | 963 | +22 |
| Quicksand | 0.68 | 9.36 | 2.73 | +0.14 | -1.23 | 91 | 55 | 70.4 | +0 | 138 | 831 | +32 |
| Somerset | 0.36 | 8.72 | 2.47 | -1.41 | -2.00 | 90 | 51 | 68.5 | -1 | 126 | 808 | -62 |
| Spindletop | 0.09 | 5.17 | 1.87 | -3.79 | -2.06 | 91 | 49 | 68.4 | -2 | 125 | 737 | -42 |
| Williamstown | 0.27 | 5.92 | 2.27 | -3.27 | -1.63 | 90 | 51 | 68.6 | -1 | 127 | 740 | -39 |

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

Crop Progress and Condition Week Ending May 29, 2005

Corn Percent Emerged

| State | May 29 2005 | Prev Week | Prev Year | 5-Yr Avg |
|--|----------------|--------------|--------------|-------------|
| CO | 61 | 36 | 68 | 71 |
| IL | 98 | 91 | 97 | 86 |
| IN | 92 | 74 | 95 | 75 |
| IA | 93 | 76 | 97 | 87 |
| KS | 93 | 77 | 82 | 89 |
| KY | 94 | 86 | 92 | 85 |
| MI | 64 | 42 | 64 | 58 |
| MN | 71 | 38 | 90 | 79 |
| MO | 96 | 88 | 96 | 88 |
| NE | 91 | 70 | 94 | 85 |
| NC | 98 | 93 | 97 | 96 |
| ND | 69 | 24 | 75 | 71 |
| OH | 85 | 60 | 81 | 75 |
| PA | 59 | 41 | 65 | 63 |
| SD | 67 | 32 | 80 | 66 |
| TN | 98 | 94 | 99 | 96 |
| TX | 90 | 80 | 95 | 95 |
| WI | 58 | 29 | 61 | 56 |
| ALL | 85 | 66 | 89 | 80 |
| These 18 States planted 92% of last year's corn acreage. | | | | |

Soybeans Percent Planted

| State | May 29 2005 | Prev Week | Prev Year | 5-Yr Avg. |
|---|----------------|--------------|--------------|--------------|
| AR | 84 | 75 | 68 | 57 |
| IL | 97 | 89 | 78 | 73 |
| IN | 90 | 73 | 83 | 70 |
| IA | 87 | 70 | 91 | 84 |
| KS | 68 | 51 | 67 | 67 |
| KY | 77 | 65 | 44 | 41 |
| LA | 72 | 65 | 80 | 76 |
| MI | 89 | 73 | 44 | 54 |
| MN | 59 | 37 | 89 | 83 |
| MS | 97 | 95 | 97 | 91 |
| MO | 83 | 65 | 61 | 58 |
| NE | 90 | 71 | 79 | 80 |
| NC | 47 | 34 | 47 | 43 |
| ND | 67 | 49 | 82 | 77 |
| OH | 92 | 76 | 66 | 65 |
| SD | 63 | 36 | 69 | 71 |
| TN | 81 | 70 | 51 | 40 |
| WI | 74 | 54 | 53 | 63 |
| ALL | 81 | 65 | 76 | 71 |
| These 18 States planted 95% of last year's soybean acreage. | | | | |

Winter Wheat Percent Headed

| State | May 29 2005 | Prev Week | Prev Year | 5-Yr Avg. |
|--|----------------|--------------|--------------|--------------|
| AR | 100 | 100 | 100 | 100 |
| CA | 100 | 100 | 100 | 100 |
| CO | 75 | 43 | 93 | 76 |
| ID | 8 | 0 | 12 | 9 |
| IL | 96 | 89 | 98 | 96 |
| IN | 87 | 65 | 96 | 94 |
| KS | 99 | 92 | 100 | 99 |
| MI | 14 | 1 | 51 | 34 |
| MO | 97 | 89 | 99 | 97 |
| MT | 0 | 0 | 1 | 5 |
| NE | 64 | 23 | 83 | 65 |
| NC | 98 | 96 | 99 | 99 |
| OH | 64 | 16 | 95 | 86 |
| OK | 100 | 100 | 100 | 100 |
| OR | 76 | 42 | 68 | 47 |
| SD | 20 | 1 | 36 | 20 |
| TX | 98 | 95 | 98 | 98 |
| WA | 60 | 35 | 54 | 39 |
| ALL | 81 | 71 | 86 | 81 |
| These 18 States planted 96% of last year's winter wheat acreage. | | | | |

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