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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

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KGC 23-04

AGRICULTURAL NEWS: Above average temperatures and precipitation occurred for most of the State. While some parts were still dry, other places along the Ohio River saw over four inches of rain. The number of days suitable for fieldwork was 4.6 out of a possible seven days. In between showers, farmers mostly cut and housed tobacco, cut hay, shelled and chopped corn, and prepared equipment for increased harvesting next month. **Topsoil moisture** was rated 1 percent very short, 14 percent short, 73 percent adequate and 12 percent surplus on Friday, August 27. **Subsoil moisture** was rated 1 percent very short, 15 percent short, 75 percent adequate and 9 percent surplus.

CORN: The crop continued to mature rapidly, but the rain prevented some farmers from harvesting early corn. Many farmers are expecting good to excellent yields. Conditions for Kentucky's corn crop on Sunday, August 29, was rated 4 percent poor, 13 percent fair, 46 percent good, and 37 percent excellent. Eighty-five percent of the corn was dented, ahead of 2003's 82 percent but behind the 5 year average of 88 percent. Over half of the crop was mature at 54 percent compared with last year at 40 percent, and the 5 year average at 50 percent. Five percent of the corn has been harvested, compared to 4 percent a year ago and 10 percent for the average.

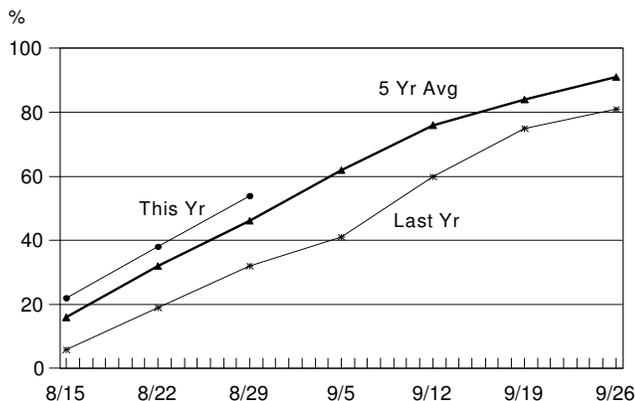
SOYBEANS: The condition of soybeans improved with the additional rain. As of Sunday, August 29, soybeans were rated 4 percent poor, 19 percent fair, 42 percent good,

and 35 percent excellent. Reports are a little more optimistic about yields this week, provided the weather continues to be favorable. About 87 percent of the soybean crop was setting pods, better than last year at 78 percent and the 5 year average at 86 percent. Fifteen percent of the crop's leaves were yellowing, compared to 5 percent in 2003 and 16 percent for the 5 year average. Soybeans shedding leaves was at 5 percent, same as the 5 year average and greater than a year ago at 1 percent.

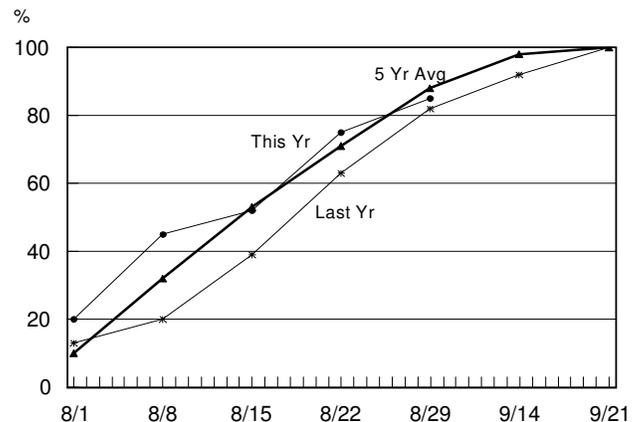
TOBACCO: Early yields look average to good. Quality of the housed crop was also good, though the weight was a little light. The condition of tobacco in the field was 2 percent very poor, 8 percent poor, 21 percent fair, 49 percent good, and 20 percent excellent. Fifty-four percent of the burley tobacco had been cut by Sunday, August 29, compared to 32 percent a year ago and 46 percent for the 5 year average. Dark tobacco was 47 percent cut, also ahead of schedule, compared with 26 percent in 2003 and 42 percent for the average.

OTHER CROPS: Some **hay** was cut this week, but the rain limited what fields were harvested. Conditions were 1 percent very poor, 4 percent poor, 20 percent fair, 52 percent good, and 23 percent excellent. **Pasture** conditions improved slightly with the increased precipitation. Pastures were rated 1 percent very poor, 5 percent poor, 20 percent fair, 55 percent good and 19 percent excellent.

BURLEY TOBACCO PERCENT CUT PROGRESS



CORN PERCENT DENT OR BEYOND



KENTUCKY CROP PROGRESS
WEEK ENDING AUGUST 29, 2004
WITH COMPARISONS

| Crop Stage | This Week | Previous Year | 5-Yr. Avg. | Previous Week | |
|--------------------|-----------|---------------|------------|---------------|------|
| | | | | KY | U.S. |
| Percentage | | | | | |
| Soybeans | | | | | |
| Setting Pods | 87 | 78 | 86 | 79 | 91 |
| Turning Yellow | 15 | 5 | 16 | NA | NA |
| Shedding Leaves | 5 | 1 | 5 | NA | NA |
| Corn | | | | | |
| Dent Stage | 85 | 82 | 88 | 75 | 36 |
| Mature | 54 | 40 | 50 | 23 | 6 |
| Harvested | 5 | 4 | 10 | NA | NA |
| Burley Tobacco Cut | 54 | 32 | 46 | 38 | NA |
| Dark Tobacco Cut | 47 | 26 | 42 | 33 | NA |

(NA) Data Not Available.

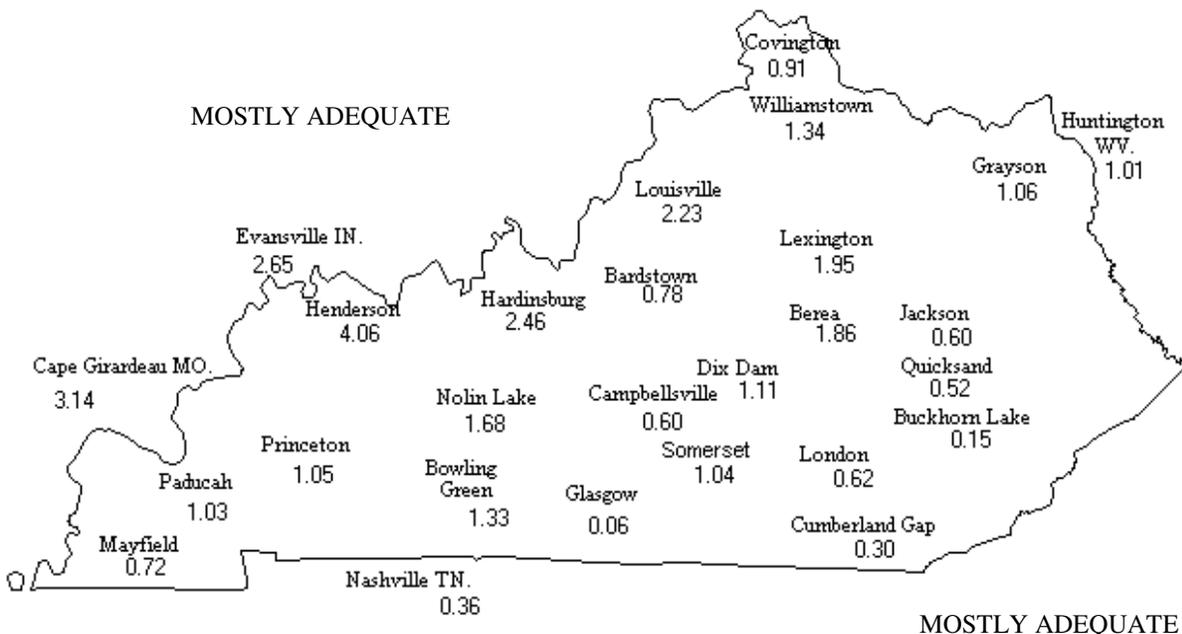
SOIL MOISTURE
WEEK ENDING AUGUST 27, 2004
WITH COMPARISONS

| | This Week | Previous Week |
|----------------|-----------|---------------|
| | | |
| TOPSOIL | | |
| Very Short | 1 | 6 |
| Short | 14 | 28 |
| Adequate | 73 | 61 |
| Surplus | 12 | 5 |
| SUBSOIL | | |
| Very Short | 1 | 5 |
| Short | 15 | 25 |
| Adequate | 75 | 66 |
| Surplus | 9 | 4 |

KENTUCKY CROP CONDITIONS (Percent)

| CROP | WEEK ENDING AUGUST 27, 2004 | | | | | WEEK ENDING AUGUST 20, 2004 | | | | |
|------------------|-----------------------------|------|------|------|-----------|-----------------------------|------|------|------|-----------|
| | VERY POOR | POOR | FAIR | GOOD | EXCELLENT | VERY POOR | POOR | FAIR | GOOD | EXCELLENT |
| Corn | 0 | 4 | 13 | 46 | 37 | 1 | 6 | 16 | 41 | 36 |
| Soybeans | 0 | 4 | 19 | 42 | 35 | 1 | 8 | 21 | 40 | 30 |
| Pasture | 1 | 5 | 20 | 55 | 19 | 2 | 5 | 22 | 54 | 17 |
| Hay Crops | 1 | 4 | 20 | 52 | 23 | 2 | 6 | 22 | 52 | 18 |
| Tobacco in Field | 2 | 8 | 21 | 49 | 20 | 3 | 8 | 19 | 52 | 18 |

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, AUGUST 29, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, AUGUST 27, 2004



KENTUCKY WEATHER SUMMARY, AUGUST 23 - 29, 2004:

ABOVE NORMAL TEMPERATURES AND ABOVE NORMAL PRECIPITATION:

An upper level trough across the central plains kept Kentucky in a warm humid air mass for much of the week. Southerly winds increased dew point temperatures into the middle 70's keeping humidity values very high. Rain was measured across the State just about every day as weak systems and pop up thundershowers crossed the area. Temperatures increased significantly over the weekend into the upper 80's and lower 90's. A cold front began to push through on Sunday bringing rain showers and cooler drier air. This is the first week since early July that temperatures have averaged above normal, but many areas in eastern Kentucky still have not reached the 90 degree mark this summer. Precipitation values are above normal after two weeks of below normal rainfall.

Temperatures for the period averaged 77 degrees across the State which was 4 degrees above normal. High temperatures averaged from 86 degrees in the West to 85 degrees in the East. Departure from normal high temperatures ranged from 0 degree from normal in the West to 2 degrees above normal in the East. Low temperatures averaged from 68 degrees in the West to 67 degrees in the East. Departure from normal low temperature ranged from 6 degrees above normal in the West to 6 degrees above normal in the East. The extreme high temperature was 92 degrees in Paducah. The extreme low temperature was 54 degrees in Somerset.

Rainfall for the period totaled 1.38 inches statewide which was 0.54 inches above normal. Precipitation totals by climate division, West 2.11 inches, Central 1.42 inches, Bluegrass 1.33 inches and East 0.66 inches, which was +1.32, +0.58, +0.47 and -0.21 inches respectively from normal. By station, precipitation totals ranged from a low of 0.06 inches at Glasgow to a high of 4.06 inches at Henderson.

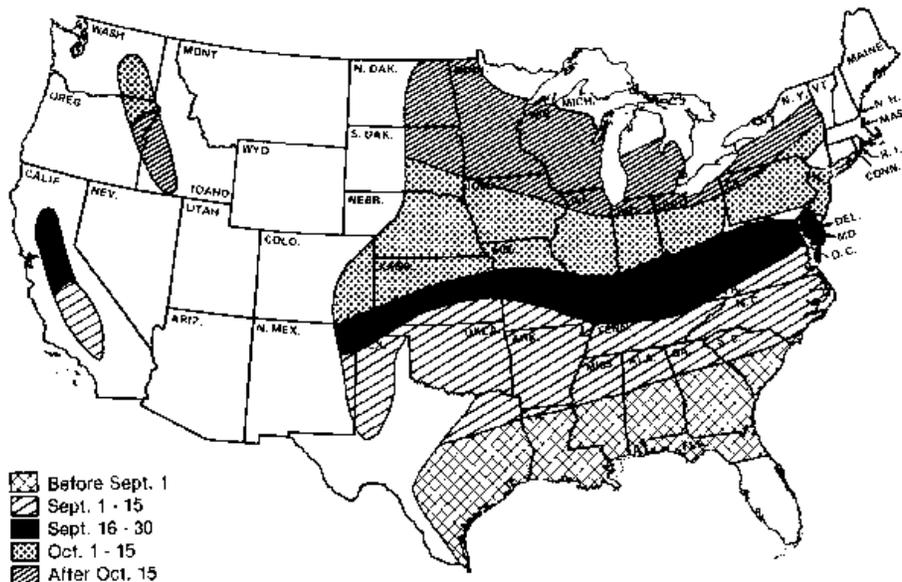
Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, AUGUST 29, 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 | 0.78 | 33.31 | 3.44 | +12.62 | -0.11 | 88 | 60 | 74.9 | +3 | 171 | 2898 | +62 |
| Berea | 1.86 | 28.53 | 4.26 | +7.36 | +0.66 | 89 | 64 | 76.7 | +5 | 183 | 3040 | +113 |
| Bowling Green | 1.33 | 27.50 | 3.87 | +6.05 | +0.70 | 91 | 61 | 78.3 | +6 | 190 | 3094 | +137 |
| Bristol | 0.00 | 21.09 | 2.35 | +3.06 | -0.51 | 88 | 61 | 74.3 | +3 | 165 | 2835 | +121 |
| Buckhorn Lake | 0.15 | 22.64 | 1.60 | +2.38 | -1.70 | 89 | 61 | 76.4 | +5 | 180 | 2848 | +283 |
| Cape Girardeau | 3.14 | 21.59 | 4.66 | +1.70 | +1.51 | 91 | 63 | 77.4 | +3 | 183 | 3056 | -53 |
| Campbellsville | 0.60 | 25.54 | 4.33 | +1.80 | +0.20 | 90 | 59 | 76.2 | +4 | 179 | 2996 | +99 |
| Covington | 0.91 | 23.69 | 3.26 | +4.45 | +0.23 | 90 | 59 | 75.6 | +4 | 175 | 2716 | +31 |
| Cumberland Gap | 0.30 | 17.88 | 2.20 | -4.59 | -1.71 | 89 | 61 | 76.4 | +5 | 180 | 2905 | +221 |
| Dix Dam | 1.11 | 27.94 | 3.32 | +6.70 | -0.20 | 88 | 62 | 75.3 | +4 | 175 | 2926 | +61 |
| Evansville | 2.65 | 20.89 | 2.93 | +1.68 | +0.12 | 91 | 61 | 77.6 | +3 | 186 | 3068 | +110 |
| Glasgow | 0.06 | 25.76 | 3.04 | +2.47 | -0.60 | 91 | 62 | 78.9 | +7 | 192 | 3211 | +344 |
| Grayson | 1.06 | 21.91 | 4.29 | +1.81 | +0.90 | 89 | 59 | 75.6 | +4 | 176 | 2878 | +345 |
| Hardinsburg | 2.46 | 25.37 | 3.67 | +4.09 | +0.26 | 90 | 59 | 77.8 | +5 | 188 | 3024 | +67 |
| Henderson | 4.06 | 22.22 | 5.52 | +2.56 | +2.66 | 90 | 62 | 77.3 | +3 | 181 | 3003 | +15 |
| Huntington | 1.01 | 19.89 | 4.73 | -0.29 | +1.17 | 90 | 58 | 76.7 | +5 | 182 | 2913 | +198 |
| Jackson | 0.60 | 31.23 | 2.37 | +9.83 | -1.25 | 88 | 63 | 75.7 | +4 | 176 | 2802 | +237 |
| Lexington | 1.95 | 32.35 | 4.06 | +11.66 | +0.51 | 88 | 62 | 75.4 | +4 | 175 | 2797 | +82 |
| London | 0.62 | 27.30 | 4.03 | +7.64 | +1.04 | 88 | 60 | 74.4 | +3 | 168 | 2816 | +132 |
| Louisville | 2.23 | 31.10 | 4.09 | +10.97 | +0.89 | 90 | 62 | 76.8 | +4 | 181 | 2983 | -4 |
| Mayfield | 0.72 | 14.02 | 1.49 | -7.48 | -1.97 | 89 | 61 | 76.4 | +2 | 180 | 2941 | -77 |
| Nashville | 0.36 | 23.64 | 4.24 | +3.61 | +1.11 | 91 | 65 | 77.8 | +5 | 189 | 3278 | +110 |
| Nolin Lake | 1.68 | 25.94 | 3.72 | +3.45 | +0.33 | 91 | 61 | 77.4 | +5 | 186 | 3087 | +342 |
| Paducah | 1.03 | 16.13 | 1.45 | -5.18 | -1.57 | 92 | 64 | 77.6 | +3 | 184 | 3155 | +77 |
| Princeton | 1.05 | 23.95 | 3.02 | +2.30 | -0.60 | 91 | 62 | 77.6 | +3 | 185 | 3130 | +83 |
| Quicksand | 0.52 | 26.77 | 1.37 | +5.37 | -2.25 | 89 | 61 | 76.4 | +5 | 180 | 2848 | +283 |
| Somerset | 1.04 | 25.61 | 6.59 | +3.39 | +3.05 | 89 | 54 | 74.5 | +3 | 166 | 2784 | +9 |
| Spindletop | 0.79 | 26.54 | 2.91 | +5.85 | -0.64 | 90 | 63 | 76.0 | +5 | 177 | 2762 | +47 |
| Williamstown | 1.34 | 20.86 | 3.59 | +0.51 | +0.22 | 89 | 60 | 75.2 | +4 | 172 | 2816 | +101 |

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'1 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/>

CORN FOR GRAIN - USUAL START OF HARVESTING, PRINCIPAL AREAS IN THE U.S.



CORN CONDITION AND PROGRESS FOR WEEK ENDING AUGUST 22, 2004

| CONDITION PERCENT | | | | | | PERCENT DOUGH | | | | | PERCENT DENT | | | | |
|-------------------|----|----|----|----|----|--|------|---------|------|-----|--|------|---------|------|-----|
| State | VP | P | F | G | EX | State | Curr | Last Wk | 2003 | Avg | State | Curr | Last Wk | 2003 | Avg |
| CO | 1 | 4 | 11 | 38 | 46 | CO | 28 | 16 | 61 | 53 | CO | 8 | 1 | 22 | 16 |
| IL | 1 | 4 | 15 | 54 | 26 | IL | 95 | 88 | 84 | 89 | IL | 67 | 46 | 37 | 51 |
| IN | 2 | 4 | 15 | 52 | 27 | IN | 90 | 78 | 63 | 83 | IN | 52 | 34 | 17 | 42 |
| IA | 2 | 6 | 19 | 50 | 23 | IA | 62 | 44 | 64 | 71 | IA | 19 | 9 | 21 | 33 |
| KS | 1 | 6 | 18 | 53 | 22 | KS | 93 | 83 | 93 | 90 | KS | 63 | 40 | 63 | 61 |
| KY | 1 | 6 | 16 | 41 | 36 | KY | 92 | 76 | 87 | 91 | KY | 75 | 52 | 63 | 71 |
| MI | 6 | 14 | 32 | 36 | 12 | MI | 37 | 20 | 35 | 37 | MI | 2 | 0 | 2 | 9 |
| MN | 4 | 9 | 31 | 46 | 10 | MN | 25 | 13 | 54 | 61 | MN | 4 | 1 | 18 | 20 |
| MO | 1 | 4 | 15 | 55 | 25 | MO | 93 | 89 | 92 | 92 | MO | 78 | 65 | 72 | 71 |
| NE | 1 | 4 | 17 | 47 | 31 | NE | 83 | 71 | 83 | 86 | NE | 31 | 12 | 35 | 43 |
| NC | 0 | 3 | 22 | 62 | 13 | NC | 99 | 95 | 87 | 92 | NC | 93 | 87 | 63 | 75 |
| ND | 4 | 16 | 32 | 42 | 6 | ND | 27 | 11 | 74 | 81 | ND | 2 | 0 | 20 | 29 |
| OH | 4 | 10 | 25 | 45 | 16 | OH | 82 | 76 | 67 | 75 | OH | 33 | 17 | 10 | 26 |
| PA | 1 | 3 | 12 | 31 | 53 | PA | 76 | 67 | 44 | 60 | PA | 36 | 29 | 7 | 22 |
| SD | 3 | 9 | 23 | 47 | 18 | SD | 60 | 30 | 62 | 72 | SD | 11 | 2 | 15 | 26 |
| TN | 1 | 4 | 13 | 51 | 31 | TN | 99 | 97 | 99 | 98 | TN | 97 | 90 | 90 | 88 |
| TX | 0 | 2 | 12 | 47 | 39 | TX | 94 | 87 | 96 | 97 | TX | 85 | 73 | 83 | 84 |
| WI | 5 | 16 | 24 | 44 | 11 | WI | 34 | 15 | 51 | 52 | WI | 1 | 0 | 6 | 10 |
| 18 States | 2 | 7 | 20 | 48 | 23 | 18 States | 70 | 57 | 70 | 76 | 18 States | 36 | 23 | 29 | 39 |
| Prev Week | 2 | 6 | 19 | 48 | 25 | These 18 States planted 92% of last year's corn acreage. | | | | | These 18 States planted 92% of last year's corn acreage. | | | | |
| Prev Year | 8 | 13 | 29 | 39 | 11 | | | | | | | | | | |

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

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