



United States Department of Agriculture
National Agricultural Statistics Service



Texas Crop Weather

Cooperating with Texas Department of Agriculture

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For the week of: July 30 – August 5, 2007

Agricultural Summary: Warmer weather was prevalent across most regions of the state with continued rains in the western areas. Cotton continued to progress with an increase of heat units across most areas of the state. Corn continued to mature in most areas of the state as many producers were preparing to harvest. Soil moisture was adequate in most areas of the state; however, a surplus of soil moisture was reported in South Central Texas and the Upper Coast. The Trans-Pecos area received the most moisture with 0.1 to 4.0 inches of rainfall. South Central and South East Texas received 0.50 to 2.0 inches of rainfall. North East Texas received 0.01 to 3.0 inches of rainfall. The Panhandle received 0.01 to 1.5 inches of rainfall. South Texas received the least amount of rainfall with zero to 0.1 inches of rainfall. Wet soils continued to cause harvesting problems in South and East Texas. Range and pasture conditions were good due to the previous moisture and warmer conditions. Hay cutting and baling continued in most areas as weather and soil moisture conditions permitted. Livestock remained in good to excellent condition in most areas of the state.

Field Crops Report

Cotton: Warmer and drier weather continued to help cotton progress in the Northern High Plains. Increased heat units helped cotton continue to progress as it was blooming in some areas of the Northern Low Plains and Southern High Plains. Cotton was suffering from excessive moisture in some areas of the Edwards Plateau and South Central Texas. Cotton condition was mostly fair to good statewide.

Corn: Corn was doing well in the Northern High Plains as irrigation continued in some areas. Corn continued to mature in the Blacklands as many producers were preparing to harvest. Excessive rain continued to hamper corn maturity and harvest in South Central Texas. Statewide, corn condition was mostly good to excellent.

Sorghum: Sorghum was progressing well in the High Plains. Harvest continued in South Central Texas as excessive soil moisture caused some concerns about quality. Also, excessive soil moisture made harvesting difficult in some areas of the Coastal Bend. Drier conditions in South Texas prompted producers to resume harvest. Sorghum conditions were mostly fair to good statewide.

Peanuts: Peanuts were in good condition in the Southern High Plains with little evidence of insect pressure. Peanuts were also progressing well in some areas of South Texas. Peanut conditions were mostly fair to excellent statewide.

Fruit, Vegetable and Specialty Crop Report

Melon harvest continued in some areas of the Southern High Plains, North East Texas, and Trans-Pecos. Pecans continued to develop in the Cross Timbers and Blacklands with scab and fungus reported in some areas.

Livestock, Pasture and Range Report

Livestock were in good condition in the Edwards Plateau, but parasites were becoming a concern. Cattle continued to be in good shape across most areas of the state. Hay cutting and baling continued in the Cross Timbers, Blacklands, and North East Texas as weather permitted. Excessive soil moisture halted hay harvest in some areas of the Upper Coast. Ranges and Pastures remained in good condition with lots of green forage in most areas of the state. Statewide, range and pasture conditions were mostly good to excellent.

Crop Progress Table – August 5, 2007

| Crop | Stage | 2007 | 2006 | Average 2002 – 2006 |
|-------------|-------------------|------|------|------------------------|
| - Percent - | | | | |
| Corn | Silked (Tasseled) | 98 | 99 | 98 |
| | Dough | 70 | 91 | 83 |
| | Dent | 59 | 70 | 67 |
| | Mature | 41 | 62 | 57 |
| | Harvested | 1 | 43 | 27 |
| Cotton | Squaring | 90 | 93 | 93 |
| | Setting Bolls | 50 | 69 | 66 |
| | Bolls Opening | 6 | 15 | 15 |
| Peanuts | Pegging | 85 | 81 | 90 |
| Rice | Headed | 93 | 96 | 94 |
| | Harvested | 4 | 26 | 20 |
| Sorghum | Headed | 91 | 81 | 71 |
| | Coloring | 77 | 66 | 53 |
| | Mature | 55 | 59 | 47 |
| | Harvested | 28 | 53 | 41 |
| Soybeans | Blooming | 97 | -- | -- |
| | Setting Pods | 86 | -- | -- |

Crop Condition Table – August 5, 2007

| Crop | Excellent | Good | Fair | Poor | Very Poor | Index ^{1/} | |
|-----------------|-----------|------|------|------|-----------|---------------------|------|
| | Percent | | | | | 2007 | 2006 |
| Corn | 25 | 45 | 18 | 8 | 4 | 81 | 44 |
| Cotton | 13 | 36 | 34 | 12 | 5 | 70 | 42 |
| Peanuts | 25 | 61 | 13 | 1 | 0 | 90 | 65 |
| Rice | 10 | 20 | 59 | 11 | 0 | 67 | 67 |
| Sorghum | 15 | 50 | 26 | 8 | 1 | 79 | 41 |
| Soybeans | 35 | 47 | 16 | 1 | 1 | 91 | 37 |
| Range & Pasture | 37 | 45 | 15 | 3 | 0 | -- | -- |

^{1/} The formula for the condition index is $I = (5V + 25P + 60F + 90G + 110E)/100$ where I=crop condition Index and V, P, F, G, E = percentage of crop rated very poor, poor, fair, good, excellent.

Weather Information Table ^{1/ 2/}

| National Weather Service Climatic Divisions | Previous Week (July 30 – Aug 5) Accumulation | Month-to-date (July 1 – 31) Accumulation | Year-to-date (Jan 1 – Aug 5) Accumulation | 1961-90 Annual Normal | Previous Three Months (April - June) Percent of Normal |
|---|--|--|---|-----------------------|--|
| High Plains | 0.83 | 1.36 | 14.48 | 18.87 | 115 |
| Low Rolling Plains | 0.98 | 2.26 | 17.64 | 23.78 | 123 |
| North Central Texas | 0.78 | 3.56 | 29.98 | 34.00 | 149 |
| East Texas | 1.20 | 7.53 | 33.59 | 45.69 | 103 |
| Trans-Pecos | 1.57 | 2.20 | 10.16 | 12.96 | 156 |
| Edwards Plateau | 0.58 | 3.89 | 23.39 | 24.01 | 162 |
| South Central Texas | 0.40 | 9.24 | 29.14 | 34.48 | 91 |
| Upper Coast | 1.04 | 12.81 | 42.43 | 47.63 | 110 |
| South Texas | 0.09 | 7.48 | 23.56 | 23.49 | 140 |
| Lower Valley | 0.19 | 5.23 | 15.63 | 25.34 | 85 |

^{1/} Average of all stations reporting precipitation data.

^{2/} High Plains: 1-N, 1-S; Low Rolling Plains: 2-N, 2-S; North Central Texas: 3, 4; East Texas: 5-N, 5-S. Trans-Pecos: 6; Edwards Plateau: 7; South Central Texas: 8-N, 8-S; Upper Coast: 9; South Texas: 10-N; Lower Valley: 10-S.

For more weather information, please visit the following web sites:
www.srh.noaa.gov/rfcshare/precip_analysis_new.php and www.drought.unl.edu/dm/monitor.html

Top Soil Moisture by District – August 5 2007 *

| Condition | 1-N | 1-S | 2-N | 2-S | 3 | 4 | 5-N | 5-S | 6 | 7 | 8-N | 8-S | 9 | 10-N | 10-S |
|------------------------|-----|-----|-----|-----|----|----|-----|-----|----|----|-----|-----|----|------|------|
| - Percent of Acreage - | | | | | | | | | | | | | | | |
| Very Short | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| Short | 33 | 23 | 11 | 15 | 5 | 0 | 1 | 2 | 24 | 13 | 0 | 0 | 0 | 2 | 0 |
| Adequate | 60 | 48 | 77 | 74 | 69 | 52 | 61 | 50 | 63 | 63 | 44 | 23 | 12 | 82 | 85 |
| Surplus | 1 | 29 | 12 | 11 | 26 | 48 | 38 | 47 | 0 | 24 | 56 | 77 | 88 | 16 | 15 |

* High Plains: 1-N, 1-S; Low Rolling Plains: 2-N, 2-S; North Central Texas: 3, 4; East Texas: 5-N, 5-S. Trans-Pecos: 6; Edwards Plateau: 7; South Central Texas: 8-N, 8-S; Upper Coast: 9; South Texas: 10-N; Lower Valley: 10-S.

Cooperating Agencies:

Texas Agricultural Extension Service

Texas Department of Agriculture

National Weather Service

