



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: August 13 - 19, 2007

Agricultural Summary: Hot and dry conditions continued throughout the state until Tropical Storm Erin produced heavy rains across areas of Central and South Central Texas towards the end of the week. Weather conditions continued to help cotton produce blooms and set bolls across most areas of the state. Corn continued to progress in some areas of the state as harvest was in full swing in most of the Panhandle, the Blacklands, and Southern Texas until Tropical Storm Erin produced heavy amounts of rainfall and halted harvest. Soil moisture was adequate in most areas of the state. The Low Plains and South Central Texas received the most rain as a result of Tropical Storm Erin with 1.0 to 8.0 inches of rainfall. South Texas and the Lower Valley received 0.01 to 0.50 inches of rainfall. The Blacklands and North East Texas received 0.01 to 0.25 inches of rainfall. The Northern High Plains and Trans-Pecos received the least amount of rainfall with 0.01 to 0.25 inches of rainfall. Ranges and pastures continued to be in good condition. Hay cutting and baling was in full swing across most areas of the state. Harvest came to a halt in areas of South Central Texas, Edward Plateau, the Low Plains and Cross Timbers as Tropical Storm Erin produced heavy rains in the area. Livestock remained in good to excellent condition in most areas of the state.

Field Crops Report

Cotton: Conditions were favorable for cotton acreage in need of heat units as cotton continued to develop in the High Plains. Increased heat units helped cotton continue to progress as it was blooming and setting bolls in some areas of the Southern Low Plains. Cotton was doing well in the Blacklands due to higher temperatures. Cotton was developing nicely along the Upper Coast as bolls were starting to open. Cotton condition was mostly fair to good statewide.

Corn: Harvest was in full swing in the Northern High Plains. Harvest continued in the Northern Low Plains until heavy rains from Tropical Storm Erin arrived later in the week. Harvest continued to progress in the Blacklands and the Edwards Plateau. Tropical Storm Erin effectively ended corn harvest in most parts of South Central Texas. Statewide, corn condition was mostly good to excellent.

Sorghum: Sorghum was progressing well as it was starting to bloom in most areas of the High Plains. Harvest began in most areas of the Blacklands. Harvest continued in South Central Texas with high yields reported, but the quality was a concern due to excessive wet

weather. Harvest was in full swing in South Texas. Sorghum conditions were mostly fair to good statewide.

Fruit, Vegetable and Specialty Crop Report

Pecans continued to shed nuts in the Cross Timbers and Blacklands with scab and fungus reported in some areas.

Livestock, Pasture and Range Report

Livestock were in good condition across most areas of the state. Hay cutting and baling was in full swing across most areas of the state. Hay harvest came to a halt in areas of South Central Texas, Edward Plateau, the Low Plains and Cross Timbers as Tropical Storm Erin produced heavy rains late in the week. 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 19, 2007

Crop	Stage	2007	2006	Average 2002 – 2006
- Percent -				
Corn	Silked (Tasseled)	100	100	100
	Dough	86	98	96
	Dent	79	88	83
	Mature	59	66	65
	Harvested	22	61	50
Cotton	Squaring	95	98	98
	Setting Bolls	73	91	86
	Bolls Opening	11	19	20
Peanuts	Pegging	87	96	98
Rice	Headed	99	98	99
	Harvested	58	73	60
Sorghum	Headed	93	85	80
	Coloring	79	69	59
	Mature	57	65	53
	Harvested	38	61	50
Soybeans	Blooming	100	--	--
	Setting Pods	95	--	--
	Dropping Leaves	10	--	--

Crop Condition Table – August 19, 2007

Crop	Excellent	Good	Fair	Poor	Very Poor	Index ^{1/}	
	Percent					2007	2006
Corn	27	46	18	6	3	84	42
Cotton	13	36	34	12	5	70	43
Peanuts	26	58	16	0	0	90	67
Rice	3	22	69	6	0	66	71
Sorghum	12	47	27	11	3	75	40
Soybeans	35	53	11	0	1	93	37
Range & Pasture	27	47	21	4	1	--	--

^{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 (August 13 – 19) Accumulation	Month-to-date (August 1 – 19) Accumulation	Year-to-date (Jan 1 – Aug 19) Accumulation	1961-90 Annual Normal	Previous Three Months (May – July) Percent of Normal
High Plains	0.30	1.19	14.90	18.87	99
Low Rolling Plains	2.38	3.56	20.29	23.78	125
North Central Texas	0.77	1.39	30.83	34.00	176
East Texas	0.61	1.12	34.20	45.69	154
Trans-Pecos	0.05	1.09	10.24	12.96	136
Edwards Plateau	2.84	3.09	26.23	24.01	189
South Central Texas	1.43	1.76	30.58	34.48	155
Upper Coast	2.68	3.76	45.18	47.63	162
South Texas	0.35	0.40	23.92	23.49	227
Lower Valley	0.55	0.77	16.21	25.34	140

^{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 19, 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	22	1	5	0	0	2	0	0	1	0	0	0	0	0	0
Short	54	36	31	17	28	33	33	20	29	22	1	27	3	17	0
Adequate	24	55	34	65	68	60	60	60	70	54	69	65	46	69	80
Surplus	0	8	30	18	4	5	7	20	0	24	30	8	51	14	20

* 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

