



South Carolina

Weekly Weather and Crop Progress Report

Cooperating with Clemson University
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Clemson University
SC State Climatology Office
Farm Service Agency



GENERAL

Scattered thundershowers brought relief to some areas of South Carolina, but many locations that missed the rain remained in desperate need for precipitation. Extremely hot temperatures continued to remove any available surface soil moisture and stressed a number of crops. Farmers continued to express a need for more rain. Damage to crops from this past week's storm activities was reportedly 88% none, 7% light and 5% moderate. South Carolina's soil moisture levels were reported as 9% very short, 41% short, 49% adequate and 1% surplus. There was a statewide average of 6.5 days suitable for field work.

FIELD CROPS

Three-fourths of **CORN** had silked and 14% had doughed by week's end. Conditions continued to decline as high temperatures damaged the corn crop during the crucial maturing stage. Some corn growers reported a concern about yield loss as many dry fields have suffered from poor pollination and some corn is too mature for any future rains to provide any benefit. Corn conditions were reportedly 2% very poor, 12% poor, 38% fair, 46% good and 2% excellent. Forty-nine percent of **TOBACCO** had been topped, remaining ahead of historical figures. Tobacco remained in mostly good condition. **COTTON** planting was reportedly complete for the season. Fifteen percent of the crop had squared. Cotton conditions were reportedly 6% poor, 34% fair, 57% good and 3% excellent. **PEANUT** planting had also finished and 12% of peanuts had pegged. Peanuts remained in mostly good condition. Ninety-one percent of **SOYBEANS** had been planted and 73% had emerged, remaining ahead of schedule for this time of year. Soybean conditions declined slightly and were reportedly 6% poor, 33% fair, 59% good and 2% excellent. The **SMALL GRAIN** harvest continued to progress ahead of schedule. Both oats and winter wheat were 99% ripe. The **GRAIN HAY** harvest had nearly reached completion.

OTHER ITEMS OF INTEREST

High temperatures had a negative impact on **LIVESTOCK** conditions and were reportedly 29% fair, 70% good and 1% excellent. Likewise, **PASTURE** conditions declined and were 8% poor, 51% fair, 40% good and 1% excellent. **TOMATO** and **CUCUMBER** harvest continued to progress well; although, **SNAPBEANS** harvested remained behind the five-year average. The heat caused some **MELONS** to ripen faster than normal. Twenty-two percent of watermelons and 19% of cantaloupes had been harvested by week's end. Twenty-one percent of **PEACHES** had been harvested. Conditions declined slightly and were reportedly 1% poor, 16% fair, 75% good and 8% excellent.

Crop Progress for Week Ending June 20, 2010

Crop and Stage	2010	2009	5-Yr Avg	Crop and Stage	2010	2009	5-Yr Avg
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>		<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Cantaloup, Planted	100	100	100	Peanuts, Planted	100	100	99
Cantaloup, Harvested	19	18	22	Peanuts, Pegged	12	12	11
Corn, Silked	75	69	63	Snapbeans, Fresh, Harvested	40	62	59
Corn, Doughed	14	14	10	Soybeans, Planted	91	83	81
Cotton, Planted	100	99	99	Soybeans, Emerged	73	65	67
Cotton, Squared	15	16	19	Tobacco, Topped	49	35	22
Cucumbers, Fresh, Harvested	77	57	73	Tomatoes, Fresh, Harvested	35	35	32
Hay, Grain Hay, Harvested	99	100	98	Watermelons, Harvested	22	13	12
Oats, Ripe	99	100	97	Winter Wheat, Ripe	99	100	98
Oats, Harvested	89	74	74	Winter Wheat, Harvested	75	64	72
Peaches, Harvested	21	19	20				

Condition for Week Ending June 20, 2010

Crop	Very Poor	Poor	Fair	Good	Excellent	Crop	Very Poor	Poor	Fair	Good	Excellent
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>		<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
Cantaloup	0	3	26	59	12	Peanuts	0	2	29	69	0
Corn	2	12	38	46	2	Snapbeans	0	2	21	66	11
Cotton	0	6	34	57	3	Soybeans	0	6	33	59	2
Livestock	0	0	29	70	1	Tobacco	0	2	18	73	7
Pasture	0	8	51	40	1	Tomatoes	0	2	24	68	6
Peaches	0	1	16	75	8	Watermelons	0	9	25	60	6

South Carolina Weekly Weather Summary for the Week Ending June 20, 2010

The Charleston Airport set a date record highest low temperature (79 degrees) and a date record high temperature (99 degrees) on Monday. Bamberg reported a peak shade temperature of 105 degrees on Monday afternoon. Parts of Marlboro County were hit with strong storms that toppled trees. At 11:00 a.m. on Tuesday, the James Island Executive AP observed a heat index value of 118 degrees. Shortly after 2:00 p.m., cloud tops reached 60,000 feet over northern Orangeburg County. Thunderstorms around Bamberg drenched the area with heavy rain. Golf ball-sized hail fell over parts of Anderson and Pickens counties. A rotating, convective complex moved through central South Carolina early Wednesday morning with 2.08 inches of rain falling in two hours at McEntire ANG AP near Eastover. Due to the clouds and rain-cooled grounds, Shaw AFB in Sumter reported a Wednesday noon-hour temperature of 80 degrees versus the 94 degrees at the same hour on Tuesday. Hot conditions returned Thursday with Lake Wateree recording 100 degrees. Summerville received 1.13 inches of rain during a storm that included winds of 53 mph at the Summerville AP. Florence was the bulls-eye for another round of Friday's convective storms and 2.07 inches of rain that caused local street flooding. At 5:00 p.m. on Saturday, Orangeburg had just recorded a one-hour rainfall amount of 1.32 inches and a temperature drop of 18 degrees to 75 degrees. Heat driven thunderstorms on Sunday produced winds of 61 mph at the Savannah River Site and 59 mph at the Charleston AP. The last day of astronomical spring ended under wilting heat for the Upstate. Walhalla, Anderson and Sandy Springs shared Sunday high temperatures of 95 degrees. The state average temperature for the seven-day period was six degrees above normal.

The highest official temperature reported was 106 degrees at Johnston on June 15 (state's highest temperature since 107 degrees at Orangeburg August 22, 2007.) The lowest official temperature reported was 63 degrees at Caesars Head on June 16. The heaviest official 24-hour rainfall reported was 3.76 inches at Bamberg ending at 7:00 a.m. on June 16. The state average rainfall for the period was 0.8 inches.

SOIL: 4-inch depth soil temperature: Columbia 82 degrees, Charleston 85 degrees.

RIVERS AND SURF: South Carolina river stages were near to below normal. Ocean water temperatures at Springmaid Pier Myrtle Beach were reported at 83 degrees.

Precipitation

Location	Total for Week	Total for 2010	Deviation from Average
Greer	0.60	21.36	-3.3
Anderson	0.39	20.03	-3.2
Columbia	0.77	13.74	-8.7
Orangeburg	1.47	17.07	-5.3
Charlotte, NC	0.00	20.65	-0.2
Augusta, GA	0.12	13.92	-8.1
Florence	2.07	20.05	0.1
N Myrtle Beach	0.54	13.85	-4.5
Charleston	1.80	23.81	2.4
Savannah, GA	1.48	20.72	-0.3

Weekly rainfall totals this period ending midnight Sunday.



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