



# South Carolina Weekly Weather and Crop Progress Report

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**Week Ending:** July 21, 2013

**Cooperating Agencies:**

Clemson University  
South Carolina State University  
SC State Climatology Office  
Farm Service Agency



## GENERAL

Another week of excessive rainfall has caused nearly all crops in the State to decline. It has been very difficult if not impossible to get equipment into fields. Soil moisture ratings were reported at 49% adequate, and 51% surplus. There was a statewide average of 4.1 days were suitable for any fieldwork across South Carolina.

## FIELD CROPS

By the end of the week, nearly all of the **CORN** crop had silked. Seventy-seven percent of the crop had doughed, slightly behind the 5-year average. The **COTTON** condition dropped last week to 5% very poor, 11% poor, 32% fair, 49% good, and 3% excellent. Some cotton may not be harvested due to drowning. Sixty-two percent of the **COTTON** crop had squared compared to 84% last year and 84% for the five-year average. Bolls setting was behind with only 14% set compared to 33% and 32% for last year and the five-year average, respectively. **OAT** harvest was nearly complete. In saturated soils, **PEANUTS** were not pegging properly. They were 75% pegged, compared to 81% last year and the five-year average of 79%. The delay in small grain harvests was hindering farmers from being able to finish **SOYBEAN** planting. By the end of the week 96% of the crop was planted, which would normally be completed by this date. Some soybeans may have issues with their root systems. The overall condition of the crop was 1% very poor, 9% poor, 38% fair, 48% good, and 4% excellent. **TOBACCO** was 20% harvested, compared to 31% last year, and 29% for the five-year average. The crop was ripening fast, and there have already been reports of producers having a shortage of barn space to cure the leaf that was ready. The crop is thin, and excessive moisture has caused conditions to continue to decline to 9% very poor, 9% poor, 43% fair, 37% good, and 2% excellent. **RYE** and **WINTER WHEAT** harvests were both 92% complete by the end of the week compared to 100% for both last year and the five-year average.

## OTHER ITEMS OF INTEREST

**MELON** harvests continued at a slower pace, remaining behind average for this time of year. The **PEACH** harvest was 58% complete, compared to 84% last year, and 67% for the five-year average. Some farmers were having trouble getting **HAY** out of the field. **LIVESTOCK** conditions for the week were 21% fair, 75% good, and 4% excellent. **PASTURE** conditions were 1% poor, 25% fair, 59% good, and 15% excellent.

### Crop Progress for Week Ending July 21, 2013

Crop and Stage	2013	2012	5-Yr Avg	Crop and Stage	2013	2012	5-Yr Avg
	Percent	Percent	Percent		Percent	Percent	Percent
Cantaloup, Harvested	65	79	83	Rye, Harvested	92	100	100
Corn, Silked	99	100	99	Snapbeans, Fresh, Harvested	87	89	95
Corn, Doughed	77	94	80	Soybeans, Planted	96	100	100
Corn, Matured	14	43	22	Soybeans, Emerged	89	100	99
Cotton, Squared	62	84	84	Soybeans, Bloomed	15	26	28
Cotton, Bolls Set	14	33	32	Tobacco, Topped	85	93	96
Cucumbers, Fresh, Harvested	76	96	99	Tobacco, Harvested	20	31	29
Hay, Other Hay, Harvested	82	0	75	Tomatoes, Fresh, Harvested	95	94	95
Oats, Harvested	99	100	100	Watermelons, Harvested	70	81	86
Peaches, Harvested	58	84	67	Winter Wheat, Harvested	92	100	100
Peanuts, Pegged	75	81	79				

### Condition for Week Ending July 21, 2013

Crop	Very Poor	Poor	Fair	Good	Excellent	Crop	Very Poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent		Percent	Percent	Percent	Percent	Percent
Corn	0	1	16	65	18	Peaches	0	0	41	59	0
Cotton	5	11	32	49	3	Peanuts	2	13	37	44	4
Hay	4	9	29	43	15	Soybeans	1	9	38	48	4
Livestock	0	0	21	75	4	Tobacco	9	9	43	37	2
Pasture	0	1	25	59	15						

## South Carolina Weekly Weather Summary for the Week Ending July 21, 2013

Monday began much like the previous days with surplus and unneeded rainfalls. Strong high pressure, north of the state, altered the movement of thundershowers to an east to west path. Twenty-four hour rains on Monday left 1.59 inches at Johnston, 1.47 inches at Allendale and 1.36 inches at Edgefield. Dillon and Bennettsville reported high temperatures of 91 degrees. More stable air edged into South Carolina on Tuesday with a long-awaited break from the rains. At 10:00 a.m., the Greenville downtown airport recorded a barometric pressure value of 30.35 inches of mercury. A mostly sunny afternoon at Union pushed the temperature to 95 degrees. No rain fell in the Upstate. The state's highest summer temperature was observed on Wednesday at the Hartsville AP with 99 degrees. The Charleston AP reached 96 degrees for only its second time this summer. It was 95 degrees at Florence and Darlington. Soaring cloud tops during the peak heating of the day set the stage for more stormy weather. Mid-afternoon storms over Sumter turned parking lots into shallow lakes. At CoCoRaHS volunteer in Sumter measured a heavy rain total of 3.14 inches. Two-inch diameter hail fell near Taylor's and the Savannah River Site recorded a wind gust of 69 mph on one of their instrument towers. A curtain of cloud to ground lightning, wind and rain swept through Richland County around 4:00 PM, downing trees and causing power disruptions. 1.06 inches of rain fell in twenty minutes at the USC campus monitoring site. Thursday started sunny with welcomed drying. A few seabreeze-induced showers formed along the coastal zones but most of the state was rain free. Summerville measured the day's heaviest rain of 0.90 inches. Cool temperatures, at least for July, were observed on Friday morning. Winnsboro and Newberry reported sunrise temperatures of 68 degrees. Very localized showers on Friday produced flash flooding in Jacksonboro. Sunny weather at Clarks Hill sent the mercury to 95 degrees. Clouds blanketed much of the state over the weekend with slow-moving, yet isolated, showers. The warmest temperature on Saturday was found at Sandhill and Sullivan's Island at 90 degrees. Pockets of organized thundershowers left 1.99 inches of rain at Clemson and 1.65 inches at Jamestown. More convection formed on Sunday afternoon with additional episodes of flash flooding. An intense rain over downtown Charleston caused lengthy traffic delays. The Columbia Metro AP measured 1.95 inches in just one hour and torrential rains near the Earlwood Community caused the Smith Branch creek to rise almost 14 feet in a matter of three hours. Oddly, the Florence Regional AP had no measureable rainfall during the Monday through Sunday stretch. The state average temperature for the seven-day period was one degree below the long-term average.

The highest official temperature reported was 99 degrees at Hartsville AP on July 17. The lowest official temperature reported was 64 degrees at Caesars Head and Long Creek on July 18. The heaviest official 24-hour rainfall reported was 2.85 inches at Lugoff ending at 7:00 a.m. on July 18. The state average rainfall for the seven-day period was 1.3 inches.

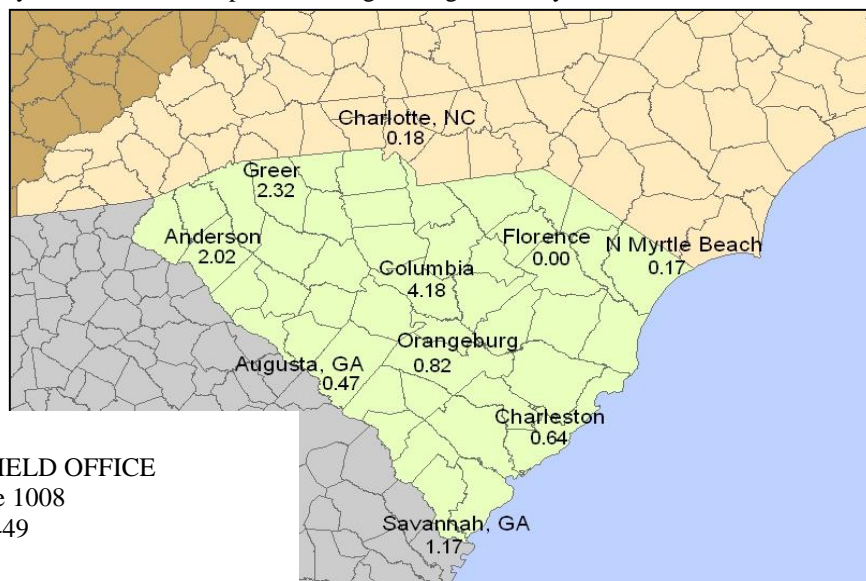
SOIL: 4-inch depth soil temperature: Columbia 80 degrees, Charleston 82 degrees.

RIVERS AND SURF: South Carolina river stages were above normal. Ocean water temperatures at Springmaid Pier Myrtle Beach were reported at 81 degrees.

### Precipitation

Location	Total for Week	Total for 2013	Deviation from Average
Anderson AP	2.02	44.65	20.1
Greer AP	2.32	46.16	19.8
Charlotte, NC AP	0.18	31.98	8.9
Columbia Metro AP	4.18	34.73	10.0
Orangeburg AP	0.82	35.58	9.1
Augusta, GA Bush AP	0.47	37.65	12.6
Florence AP	0.00	35.78	12.4
N Myrtle Beach AP	0.17	35.38	9.3
Charleston AP	0.64	40.41	14.0
Savannah, GA AP	1.17	35.41	9.6

Weekly rainfall totals this period ending midnight Sunday.



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