



South Carolina Weekly Weather and Crop Progress Report

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Week Ending: July 14, 2013

Cooperating Agencies:

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



GENERAL

The State of South Carolina was once again saturated with rain during the last week, causing more delays for farmers as they were unable to get into their fields to plant and harvest. Fields that are low have large pools of standing water, which could facilitate disease outbreaks, especially since producers are unable to get into the fields to scout and treat for disease and weed control. Soil moisture ratings were reported at 4% short, 29% adequate, and 67% surplus. There was a statewide average of only 2.5 days were suitable for any fieldwork across South Carolina.

FIELD CROPS

The overall condition of the **CORN** crop held steady at mostly good. By the end of the week, 98% of the crop had silked, and 62% of the crop had doughed, only slightly behind the 5-year averages. **COTTON** planting was complete. Forty-two percent of the crop had squared compared to 77% last year and 72% for the five-year average. Bolls setting was significantly behind schedule, with only 3% set compared to 19% and 21% for last year and the five-year average, respectively. By the end of the week, **OAT** harvest was 98% complete. **PEANUTS** were 56% pegged by the end of the week, compared to 66% last year and the five-year average of 67%. Excessive rains continue to hinder the harvesting of the small grain crops, which also cause delays in the double crop planting of **SOYBEANS**. Ninety-three percent of the crop has been planted, compared to 100% for both last year and the five-year average. The overall condition of the crop was 1% very poor, 6% poor, 31% fair, 56% good, and 6% excellent. Producers were able to make noticeable progress harvesting **TOBACCO**, with 14% of the crop harvested by the end of the week. However, the wet weather has taken a toll on crop, as conditions once again declined to 11% very poor, 8% poor, 22% fair, 54% good, and 5% excellent. **WINTER WHEAT** harvest was 90% complete by the end of the week compared to 100% for both last year and the five-year average.

OTHER ITEMS OF INTEREST

VEGETABLE harvest continued, but conditions dropped sharply from the previous week due to the excessive rain. Fifteen percent of the **CANTALOUPE** crop and 20% of the **WATERMELON** crop was reported to be very poor to poor condition. The **PEACH** picking was 46% complete, compared to 78% last year, and 58% for the five-year average. **LIVESTOCK** conditions for the week were 12% fair, 84% good, and 4% excellent. **PASTURE** conditions were 1% poor, 24% fair, 54% good, and 21% excellent.

Crop Progress for Week Ending July 14, 2013

| Crop and Stage | 2013 | 2012 | 5-Yr Avg | Crop and Stage | 2013 | 2012 | 5-Yr Avg |
|-----------------------------|----------------|----------------|----------------|-----------------------------|----------------|----------------|----------------|
| | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> | | <i>Percent</i> | <i>Percent</i> | <i>Percent</i> |
| Cantaloup, Harvested | 59 | 68 | 74 | Peanuts, Pegged | 56 | 66 | 67 |
| Corn, Silked | 98 | 100 | 99 | Rye, Harvested | 90 | 100 | 100 |
| Corn, Doughed | 62 | 84 | 68 | Snapbeans, Fresh, Harvested | 78 | 83 | 90 |
| Corn, Matured | 11 | 25 | 11 | Soybeans, Planted | 93 | 100 | 100 |
| Cotton, Planted | 100 | 100 | 100 | Soybeans, Emerged | 82 | 99 | 96 |
| Cotton, Squared | 42 | 77 | 72 | Soybeans, Bloomed | 7 | 11 | 14 |
| Cotton, Bolls Set | 3 | 19 | 21 | Tobacco, Topped | 65 | 87 | 87 |
| Cucumbers, Fresh, Harvested | 67 | 93 | 98 | Tobacco, Harvested | 14 | 23 | 20 |
| Hay, Other Hay, Harvested | 77 | 0 | 64 | Tomatoes, Fresh, Harvested | 90 | 90 | 89 |
| Oats, Harvested | 98 | 100 | 100 | Watermelons, Harvested | 55 | 69 | 75 |
| Peaches, Harvested | 46 | 78 | 58 | Winter Wheat, Harvested | 90 | 100 | 100 |

Condition for Week Ending July 14, 2013

| 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 | 7 | 8 | 50 | 35 | 0 | Peaches | 0 | 1 | 21 | 76 | 2 |
| Corn | 0 | 1 | 17 | 67 | 15 | Peanuts | 2 | 12 | 26 | 55 | 5 |
| Cotton | 3 | 6 | 26 | 61 | 4 | Soybeans | 1 | 6 | 31 | 56 | 6 |
| Hay | 0 | 12 | 35 | 35 | 18 | Tobacco | 11 | 8 | 22 | 54 | 5 |
| Livestock | 0 | 0 | 12 | 84 | 4 | Watermelons | 5 | 15 | 44 | 36 | 0 |
| Pasture | 0 | 1 | 24 | 54 | 21 | | | | | | |

South Carolina Weekly Weather Summary for the Week Ending July 14, 2013

Excessive rains during the July 8-14 period caused rural and urban flooding for at least twenty of South Carolina's forty-six counties. On Monday morning, Caesars Head reported overnight rains of 4.18 inches. Sandy Springs measured 4.35 inches for the next 24-hours into Tuesday morning. The town of Lexington received 3.71 inches of rain on Tuesday afternoon, turning streets into streams. For only the second time since its completion in 1962, Lake Hartwell Dam operations opened all 12 spillway gates on July 9 to lower a flood stage that had reached 664.90 feet. Tuesday evening storms over Greenwood produced "non-stop lightning" and 1.90 inches of rain. The Greenville-Spartanburg AP recorded a downpour of 2.44 inches of rain in 44 minutes. Partial sunshine allowed for Sumter's Shaw AFB and the Columbia Metro AP to reach 90 degrees on Wednesday. Afternoon thundershowers continued but with somewhat less intensity. Greenwood measured 1.11 inches of rain on Wednesday, which, when added to the previous 24-hours, totaled 3.01 inches. A southeastward moving boundary approached the state on Thursday, adding another element to support drenching rain falls. At sunrise on Friday, a CoCoRaHS rain volunteer observer in Holly Hill reported 4.79 inches. 3.14 inches fell over Quinby and at Orangeburg, the gage showed 3.05 inches. Pools of standing water were observed throughout the Lowcountry. Little change was noticed on Friday with more unwanted rain and even one-inch diameter hail falling over portions of Pickens and Greenville counties. Calhoun Falls measured a 24-hour total of 4.22 inches. N Myrtle Beach AP reported a Friday rain measurement of 1.73 inches that continued into Saturday with another 1.31 inches. A few breaks for sunshine allowed Conway and Kingstree to warm up to 88 degrees on Saturday. Unlike the previous days where there were few exclusions to the soaking rains, the coverage transitioned to an isolated nature for the afternoon and evening hours. Clarks Hill and Sullivan's Island each measured a two-inch rain from Saturday into Sunday morning. Darlington and Shaw AFB recorded the state's warmest temperature on Sunday with 90 degrees. At midnight, Anderson has completed its fourteenth consecutive day of measurable rain. The Columbia Metro AP average "high temperature" of 86.5 degrees for the observation period July 1-14, 2013, was the second "coolest" of record. The state average temperature for the seven-day period was one degree below the long-term average.

The highest official temperature reported was 94 degrees at Hardeeville on July 8 and at Pinopolis on July 9. The lowest official temperature reported was 56 degrees at Long Creek on July 11. The heaviest official 24-hour rainfall reported was 6.37 inches at Allendale ending at 7:00 a.m. on July 12. The state average rainfall for the seven-day period was 3.9 inches.

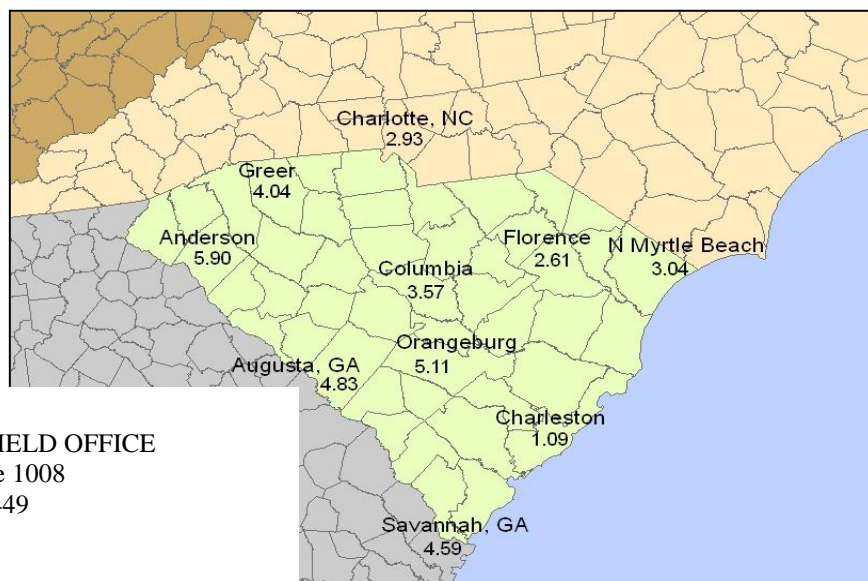
SOIL: 4-inch depth soil temperature: Columbia 79 degrees, Charleston 83 degrees.

RIVERS AND SURF: South Carolina river stages were above normal. Ocean water temperatures at Springmaid Pier Myrtle Beach were reported at 82 degrees.

Precipitation

| Location | Total for Week | Total for 2013 | Deviation from Average |
|---------------------|----------------|----------------|------------------------|
| Anderson AP | 5.90 | 42.63 | 18.9 |
| Greer AP | 4.04 | 43.84 | 18.6 |
| Charlotte, NC AP | 2.93 | 31.80 | 9.6 |
| Columbia Metro AP | 3.57 | 30.55 | 7.1 |
| Orangeburg AP | 5.11 | 34.76 | 9.4 |
| Augusta, GA Bush AP | 4.83 | 37.18 | 13.1 |
| Florence AP | 2.61 | 35.78 | 13.6 |
| N Myrtle Beach AP | 3.04 | 35.21 | 10.6 |
| Charleston AP | 1.09 | 39.77 | 14.9 |
| Savannah, GA AP | 4.59 | 34.24 | 9.7 |

Weekly rainfall totals this period ending midnight Sunday.



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