

**Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania  
Issued by Rutgers University New Brunswick NJ  
8 am EDT Monday, August 27, 2007**



**NEW JERSEY  
WEEKLY CROP WEATHER**

*New Jersey Field Office*

**In Cooperation With:**  
**U.S. Department of Agriculture**  
**National Agricultural Statistics Service**  
**Agricultural Marketing Service**  
**U.S. Department of Commerce/N.O.A.A.**  
**Rutgers University**

**NOAA WEATHER RADIO STATIONS**

**Allentown**  
 WXL-39 on the VHF-FM  
 frequency of 162.40 Megahertz.  
**Atlantic City**  
 KHB-38 on the VHF-FM  
 frequency of 162.40 Megahertz.  
**New York City**  
 KWO-35 on the VHF-FM  
 frequency of 160.55 Megahertz.  
**Philadelphia**  
 KIH-28 on the VHF-FM  
 frequency of 162.475 Megahertz.

**NEW JERSEY AUCTIONS**

**Vineland**  
 Phone: (856)691-0721  
 Sales 10:00AM Daily except Sunday.  
**Landisville**  
 Phone: (856)697-2273  
 Direct Sales Daily  
**Swedesboro**  
 Phone: (856)476-0313  
**Hightstown**  
 Phone: (609)448-0193  
 Auction Sales Mon-Wed-Fri-7pm

Rainfall amounts, none through Tuesday.

Winds for spraying, northeast 5 to 10 mph today, northeast 5 mph tonight, east 5 to 10 mph Tuesday.

Relative humidity in percent, 45 to 55 today, 90 to 100 tonight, 45 to 55 Tuesday.

Dew points, low to mid 60s through Tuesday.

Drying conditions, fair to good today and Tuesday.

Frost freeze or dew, moderate dew tonight and Tuesday night.

Percent of possible sunshine, 80 today, 90 Tuesday.

There is less than a 10 percent probability of precipitation during the 12 hour period beginning at 8 am and ending at 8 pm that could adversely affect the performance of pesticides that require a rain free period after application.

Estimated soil moisture in percent of field capacity will decrease over the next several days with little threat of rain. The need for irrigation will increase in the south once again.

Conditions will be unfavorable for cranberry scald today and Tuesday.

Hay cutting will see fairly good drying conditions today through Wednesday with the next threat of showers on Thursday.

The latest 8 to 14 day outlook for the period September 3, 2007 to September 9, 2007 is calling for temperatures to average below normal and precipitation to total above normal.

**Climate summary for the week ending 8 am 8/27/07**

Temperatures averaged below normal, averaging 67 degrees North, 69 degrees Central, and 71 degrees South. Extremes were 94 degrees at Piney Hollow on August 26, 2007, and 53 degrees at Charlotteburg and Freehold on August 22, 2007.

Weekly rainfall averaged 1.72 inches North, 1.65 inches Central, and 1.65 inches South. The heaviest 24 hour total reported was 1.53 inches at Canoe Brook on August 21, 2007 to August 22, 2007.

Estimated soil moisture, in percent of field capacity, this past week averaged 93 percent North, 92 percent Central, and 90 percent south.

Four inch soil temperatures averaged 66 degrees North, 69 degrees Central, and 71 degrees South.

**Weather Summary for the Week Ending 8 am Monday, August 27, 2007**

Weather Stations	Rainfall			Temperatures				Growing Degree Days <sup>1/</sup>		Soil Moisture <sup>2/</sup>
	Last Week	Since March 1		Last Week				Total	Dept.*	
		Total	Dept.*	Max.	Min.	Avg.	Dept.*			
- Inches -			- Degrees-				- Base 50F -			
<b>NORTH</b>										
Canoe Brook	2.16	42.53	17.60	92	55	69	0	2562	429	86
Charlotteburg	1.33	30.60	5.43	90	53	66	0	2224	533	87
Flemington	1.88	32.69	8.67	93	55	67	-2	2423	235	90
Newton	1.51	27.36	4.11	89	54	66	0	2201	266	93
<b>CENTRAL</b>										
Freehold	1.33	31.79	8.37	92	53	68	-2	2647	318	83
Long Branch	1.26	31.12	7.41	86	59	69	-2	2420	168	72
New Brunswick	1.99	37.47	13.84	90	55	69	-3	2575	150	89
Toms River	2.15	26.25	2.01	93	60	70	-1	2491	257	72
Trenton	1.50	26.98	4.54	93	56	69	-3	2692	162	72
<b>SOUTH</b>										
Cape May C.H.	1.43	16.51	-4.43	87	63	71	-2	2594	380	71
Downstown	1.55	19.87	-2.28	94	58	71	-1	2713	178	72
Glassboro	1.42	23.71	.61	93	57	70	-2	2966	453	70
Hammonton	1.66	20.14	-2.97	94	60	71	-1	2791	274	69
Pomona	2.29	20.89	-4.46	91	63	72	2	2734	387	74
Seabrook	1.55	21.16	-.03	93	58	71	-1	2983	434	70
South Harrison	1.61	23.99	1.15	92	57	70	NA	2870	NA	NA

\*Departure from normal.  
<sup>1/</sup>Growing degree days since March 1, 2007, total and departure from normal or long term average.  
<sup>2/</sup>Estimated soil moisture as % of field capacity based on climate data.

## Rain Helps Crops

Days suitable for field work, for the week ending Sunday, August 26, 2007, were 4.0. Topsoil moisture was rated 15% short, 75% adequate, and 10% surplus. Irrigation water supply was rated 5% short and 95% adequate. There were measurable amounts of rainfall during the week in most localities, with some localized thunderstorms and hail damage. Temperatures were below normal the beginning of the week, but rose to above normal by the end of the week, in most areas of the Garden State. Recent rainfall relieved heat stress on crops, and helped hay growth. Producers continued planting fall vegetables, including lettuce, broccoli and cauliflower, in the southern district. Apple harvest continued in northern and central orchards. Peach harvest continued across the state. Producers continued harvesting vegetables. Potato harvest continued. Pumpkins continued to turn color. Livestock condition much better.

---