

**Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania
Issued by Rutgers University New Brunswick NJ
8 am EDT Monday, September 4, 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 Wednesday.

Winds for spraying, northwest around 10 mph today, light and variable tonight, northeast 5 to 10 mph Wednesday.

Relative humidity in percent, 35 to 45 today, 90 to 100 tonight, 35 to 45 Wednesday.

Dew points, upper 50s to low 60s through Wednesday.

Drying conditions, very good today and Wednesday.

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

Percent of possible sunshine, 90 today, 90 Wednesday.

There is a near zero 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 continue to decrease over the next several days due to a persistent, dry weather pattern. The need for irrigation will continue to increase in all locations especially the south.

Temperatures in the representative cranberry bogs will remain above freezing tonight and Wednesday night.

Hay cutting will see very good drying conditions for the next several days due to mostly sunny skies, low dew points, and no expected rain.

The latest 8 to 14 day outlook for the period September 11, 2007 to September 17, 2007 is calling for temperatures to average above normal and precipitation to total above normal.

Climate summary for the week ending 8 am 9/04/07

Temperatures averaged above normal, averaging 70 degrees North 71 degrees Central, and 72 degrees South. Extremes were 90 degrees at Canoe Brook on August 31, 2007, and 48 degrees at Charlotteburg and Newton on September 3, 2007.

Weekly rainfall averaged 0.04 inches North, 0.00 inches Central, and 0.00 inches South. The heaviest 24 hour total reported was 0.17 inches at Flemington on August 30, 2007 to August 31, 2007.

Estimated soil moisture, in percent of field capacity, this past week averaged 79 percent North, 63 percent Central, and 55 percent South.

Four inch soil temperatures averaged 70 degrees North, 71 degrees Central, and 72 degrees South.

Weather Summary for the Week Ending 8 am Monday, September 4, 2007

Weather Stations	Rainfall			Temperatures				Growing Degree Days ^{1/}		Soil Moisture ^{2/}
	Last Week	Since March 1		Last Week				Total	Dept.*	
		Total	Dept.*	Max.	Min.	Avg.	Dept.*			
- Inches -			- Degrees-				- Base 50F -			
NORTH										
Canoe Brook	.00	42.53	16.53	90	57	72	5	2719	461	68
Charlotteburg	.00	30.60	4.34	87	48	69	5	2357	563	68
Flemington	.17	32.86	7.86	87	49	70	2	2566	249	75
Newton	.00	27.36	3.10	84	48	68	3	2328	285	79
CENTRAL										
Freehold	.00	31.79	7.40	88	54	71	2	2795	329	64
Long Branch	.00	31.12	6.38	83	57	71	2	2566	177	46
New Brunswick	.00	37.47	12.82	87	51	70	-1	2719	141	72
Toms River	.00	26.25	.99	84	51	70	0	2629	253	46
Trenton	.00	26.98	3.61	89	55	72	2	2849	173	45
SOUTH										
Cape May C.H.	.00	16.51	-5.33	85	55	71	-1	2739	369	46
Downstown	.00	19.87	-3.21	87	52	71	1	2865	183	47
Glassboro	.00	23.71	-3.36	87	56	74	4	3132	472	44
Hammonton	.00	20.14	-3.93	87	51	72	2	2944	281	43
Pomona	.00	20.89	-1.29	86	54	71	2	2884	401	45
Seabrook	.00	21.16	-.91	86	56	73	3	3145	448	44
South Harrison	.00	23.99	.28	86	55	73	NA	3030	NA	NA

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

Apple Harvest Continues

Days suitable for field work, for the week ending Sunday, September 2, 2007, were 6.5. Topsoil moisture was rated 20% short and 80% adequate. Irrigation water supply was rated 15% short and 85% adequate. There were no measurable amounts of rainfall during the week in most localities. Temperatures were near normal for the week, in most areas of the Garden State. Recent rainfall increased corn earworms. Farmers continued planting fall small grain crops and chopping silage. Producers applied the last spray to grape plants before harvest. Apple and peach harvest continued across the state. Producers continued harvesting vegetables. Potato harvest continued. Pumpkins continued to turn color. Livestock condition much improved, and milk production is back to normal.
