

**Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania
Issued by Rutgers University New Brunswick NJ
8 am EDT Monday, September 24, 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, southwest around 10 mph today, southwest around 5 mph tonight, southwest around 10 mph Wednesday.

Relative humidity in percent, 35 to 45 today, 90 to 100 tonight, 40 to 50 Wednesday.

Dew points, mid 50s today, upper 50s tonight, low to mid 60s Wednesday.

Drying conditions, very good today, good Wednesday.

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

Percent of possible sunshine, 90 today, 80 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 improved somewhat in most locations over the weekend, but with no rainfall expected through Wednesday; the need for irrigation will once again increase. More showers are expected later Thursday and into Friday.

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

Late season hay cutting will remain good with little if any expected rain along with abundant sunshine but heavy overnight dew through Wednesday. The next threat of showers will be on Thursday and into Friday.

The latest 8 to 14 day outlook for the period October 2, 2007 to October 8, 2007 is calling for temperatures to average above normal and precipitation to total below normal.

Climate summary for the week ending 8 am 9/24/07

Temperatures averaged above normal Central and South and much above normal North, averaging 63 degrees North, 64 degrees Central, and 66 degrees South. Extremes were 86 degrees at Downstown, Hammonton, and Canoe Brook on September 22, 2007 and 42 degrees at Flemington, Charlotteburg and Newton on September 18, 2007.

Weekly rainfall averaged 0.19 inches North, 0.09 inches Central, and 0.12 inches South. The heaviest 24 hour total reported was 0.31 inches at Glassboro on September 22, 2007 to September 23, 2007.

Estimated soil moisture, in percent of field capacity, this past week averaged 87 percent North, 78 percent Central, and 73 percent South.

Four inch soil temperatures averaged 60 degrees North, 62 degrees Central, and 64 degrees South.

Weather Summary for the Week Ending 8 am Monday, September 24, 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 50° F -			
NORTH										
Canoe Brook	.30	43.74	14.69	86	45	65	4	3101	539	90
Charlotteburg	.24	31.40	2.07	82	42	62	4	2674	642	80
Flemington	.18	34.01	6.26	85	42	64	3	2921	295	84
Newton	.05	27.97	.96	81	42	62	4	2640	353	80
CENTRAL										
Freehold	.18	33.04	6.08	85	46	64	1	3176	385	75
Long Branch	.00	31.90	4.61	81	52	65	2	2941	206	64
New Brunswick	.21	38.43	11.03	84	46	64	2	3100	177	85
Toms River	.01	26.95	-95	81	45	63	0	2998	257	63
Trenton	.07	27.57	1.64	83	45	65	1	3252	212	60
SOUTH										
Cape May C.H.	.03	18.26	-5.94	83	48	66	0	3152	377	67
Downstown	.00	20.26	-5.13	86	43	65	0	3256	201	60
Glassboro	.31	24.57	-2.13	84	49	67	3	3573	551	70
Hammonton	.00	20.51	-6.16	86	45	66	2	3352	323	54
Pomona	.08	22.26	-1.94	83	45	65	2	3290	415	68
Seabrook	.27	21.88	-2.58	84	50	67	2	3580	505	68
South Harrison	.09	24.59	-1.45	84	46	66	NA	3457	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.

Grape Harvest Progressing

Days suitable for field work, for the week ending Sunday, September 23, 2007, were 6.5. Topsoil moisture was rated 35% short and 65% adequate. Irrigation water supply was rated 5% short and 95% adequate. There were few measurable amounts of rainfall for the week in most localities. Temperatures were below normal the beginning of the week and rose to near normal by mid-week, in most areas of the Garden State. Producers irrigated in the southern district. Harvest of field corn for grain began in some central fields. Farmers continued chopping silage. Hay harvest continued across the state. In the central district, growers reseeded pasture grasses and sod. Producers continued harvesting vegetables. Pumpkin harvest continued across the state. Harvest of potatoes and sweet potatoes continued in the south. Cranberry harvest began. Apple trees in mid-harvest in the central and southern districts. Grape harvest progressed in the south. Pasture re-growth was slow.
