



**Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania
Issued by Rutgers University New Brunswick NJ
8 am EDT Monday, April 9, 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, west 10 to 15 mph today, west around 5 mph tonight, west around 10 mph Tuesday.

Relative humidity in percent, 30 to 40 today, 85 to 95 tonight, 30 to 40 Tuesday.

Dew points, upper teens to low 20s through Tuesday.

Drying conditions, good today and again Tuesday.

Frost freeze or dew, freezing temperatures once again tonight and Tuesday, night but not quite as low as previous nights.

Percent of possible sunshine, 90 today, 80 Tuesday.

There is a near zero percent south 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.

After an unusual winter, it appears chill units will be adequate for peaches. The first half of the winter saw record high temperatures but the second half probably produced enough chill units to prevent major problems.

Temperatures are expected in the mid 20s tonight and Monday night.

Soil moisture levels will continue to decrease slowly over the next few days.

Temperatures in the representative cranberry bogs will drop well below freezing for the next several nights.

Early season hay cutting will only have good drying conditions over the next few days with cool temperatures, but increasing amounts of sun.

The latest 8 to 14 day outlook for the period April 16, 2007 to April 22, 2007 is calling for temperatures to average below normal and precipitation to total above normal.

Climate summary for the week ending 8am April 9, 2007

Temperatures averaged much above normal, averaging 48 degrees North, 50 degrees Central, and 52 degrees South. Extremes were 83 degrees at Pomona on March 28, 2007 and 29 degrees at several locations on March 30, 2007.

Weekly rainfall averaged 0.24 inches north, 0.12 inches central, and 0.01 inches south. The heaviest 24 hour total reported was 0.43 inches at Flemington on April 1, 2007 to April 2, 2007.

Estimated soil moisture, in percent of field capacity, this past week averaged 95 percent North, 92 percent Central, and 87 percent South. Four inch soil temperatures averaged 48 degrees North, 50 degrees Central, and 51 degrees South.

Weather Summary for the Week Ending 8 am Monday, April 9, 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	.23	5.86	1.09	79	30	50	6	27	27	95
Charlotteburg	.20	4.81	.42	73	29	48	6	23	23	96
Flemington	.44	5.94	1.49	80	29	48	3	24	24	100
Newton 3/	.10	2.71	-1.07	75	30	47	4	13	13	94
CENTRAL										
Freehold	.20	4.28	-.41	80	32	51	5	57	57	96
Long Branch	.15	4.77	-.11	81	35	50	4	29	29	91
New Brunswick	.17	4.75	.46	80	31	50	3	40	40	94
Toms River	.02	4.67	.13	81	29	49	3	54	54	85
Trenton	.07	4.50	.25	82	35	51	3	46	46	85
SOUTH										
Cape May C.H.	.02	2.86	-1.28	81	31	50	2	44	44	80
Downtown	.00	4.76	.53	81	29	51	3	62	62	83
Glassboro	.00	3.79	-.63	80	38	54	6	68	68	79
Hammonton	.00	4.23	.00	81	30	51	3	64	64	81
Pomona	.02	3.59	-.66	83	30	51	4	64	64	83
Seabrook	.03	3.80	.12	82	34	53	5	79	79	81
South Harrison	.05	4.02	.18	81	37	52	NA	64	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.
 3/ Some cumulative values estimated due to earlier missing data.

Peach Trees in Bloom

Days suitable for field work, for the week ending Sunday, April 8, 2007, were 5.7. Topsoil moisture was rated 5% short, 65% adequate and 30% surplus. Irrigation water supply was rated 80% adequate and 20% surplus. There were measurable amounts of rainfall during the week in some localities. Temperatures were below normal for most of the week across the state. Pastures were greening in the northern part of the state. Peaches were blooming in the southern district. Cold temperatures may have affected some peach bloom in the central district. Strawberry plants in parts of the south had green foliage, but were not affected by the cold temperatures if they were covered by straw or plastic. Apple trees in the southern district had a quarter inch green tip. Cranberries were still under water. Over-winter spinach was destroyed by geese and ice in some areas of the central district. In many warm areas of the central district, crane-fly larvae are emerging. Agricultural producers continued field preparation for spring crops as weather permitted. Other activities included greenhouse work, top dressing fertilizer, spraying, applying anti-fungal agents, pruning trees, planting white potatoes and vegetables, planting grains, hay seeding, and feeding stored hay to livestock.
