



**Weather Advisory For New Jersey  
And Southeastern Pennsylvania  
Issued By Rutgers University New Brunswick, NJ  
8 am EDT Mon Apr 7, 2008**

Rainfall amounts none through Tuesday.

Winds for spraying east northeast 10 to 15 mph through Tuesday.

Relative humidity in percent 70 to 80 today, 90 to 100 tonight, 50 to 60 Tuesday. Dew points generally in the mid to upper 30s through Tuesday. Drying conditions fair at best today, fair Tuesday. Frost freeze or dew none expected tonight and Tuesday night. Percent of possible sunshine less than 10 today, 30 Tuesday.

There is 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.

Temperatures during the winter averaged above normal but enough chilling units occurred in order to prevent any problem in peaches. With above normal temperatures during the winter the over wintering of many pests is likely to be high and therefore the pressure from their associated diseases is expected to be high.

Soil moisture levels are high but should improve somewhat over the next few days with little expected rainfall. Temperatures in the representative cranberry bogs should remain above freezing tonight but could drop below freezing Tuesday night.

Early season hay cutting will be slow for the next several days with only fair drying conditions.

The latest 8 to 14 day outlook for the period April 14, 2008 to April 20, 2008 is calling for temperatures to average below normal and precipitation to total below normal.

**Climate summary for the week ending 8am 4/7/08**

Temperatures averaged near normal, averaging 46 degrees north 48 degrees central and 50 degrees south. Extremes were 72 degrees at several locations on April 2, 2008, and 21 degrees at Flemington on April 3, 2008.

Weekly rainfall averaged 1.15 inches north, 0.90 inches central, and 1.27 inches south. The heaviest 24 hour total reported was 0.71 inches at Pomona on April 4, 2008 to April 5, 2008.

Estimated soil moisture, in percent of field capacity, this past week averaged 100 percent north, 98 percent central and 96 percent south.

Four inch soil temperatures averaged 44 degrees north, 47 degrees central and 49 degrees south.

**Peach Tree in Bloom**

Days suitable for field work, for the week ending Sunday, April 6, 2008, were 5.0. Topsoil moisture was rated 65% adequate and 35% surplus. Subsoil moisture was rated as 80% adequate and 20% surplus. There were measurable amounts of rainfall for the week in most localities. Temperatures were variable during the week in most areas of the Garden State. Peaches are in full bloom in the southern district. Blueberries are being sprayed for mummy fungus, while grapes have finished pruning in parts of the south. Other activities included greenhouse work, spraying, fertilizing and ground preparation.

**Weather Summary for the Week Ending Monday, April 7, 2008**

Weather Stations	Rainfall			Temperatures Last Week				Growing Degree Days <sup>1</sup>		Soil Moisture <sup>2</sup>
	Last Week	Since March 1		Max.	Min.	Avg.	Dept.*	Total	Dept.*	
		Total	Dept.*							
<b>North</b>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Base 50°F</i>	<i>Base 50°F</i>	
Belvidere Bridge	1.17	6.54	1.80	69	24	45	-2	4	4	98
Canoe Brook	1.10	6.08	0.63	69	23	47	1	5	5	98
Charlotteburg	1.39	7.89	2.78	65	22	44	0	9	9	99
Flemington	0.88	6.68	1.56	69	21	45	-2	6	6	98
Newton	1.21	6.76	2.31	70	24	47	2	17	17	98
<b>Central</b>										
Freehold	0.99	4.03	-1.27	70	24	48	0	18	18	97
Long Branch	1.09	5.45	-0.06	65	26	47	-1	17	17	96
New Brunswick	0.77	4.31	-0.61	69	25	47	-1	10	10	98
Toms River	1.05	5.70	0.50	68	25	50	2	39	39	100
Trenton	0.62	4.95	0.14	70	27	49	-1	28	28	97
<b>South</b>										
Cape May C.H.	1.42	3.87	-0.81	66	30	50	1	43	43	100
Downstown	1.52	4.44	-0.35	72	25	50	0	41	41	100
Glassboro	0.59	4.03	-0.99	72	32	50	0	28	28	94
Hammonton	1.18	4.28	-0.54	72	24	50	0	51	51	100
Pomona	1.65	4.81	0.02	67	24	50	2	49	49	100
Seabrook	( <sup>3</sup> )									
South Harrison	1.15	4.94	-0.14	72	31	50	NA	37	NA	NA

\* Departure from normal.

<sup>1</sup> Growing degree days since March 1, 2008, total and departure from normal or long term average.

<sup>2</sup> Estimated soil moisture as % of field capacity based on climate data.

<sup>3</sup> Data not available.