



**Agricultural Weather Advisory For New Jersey  
And Southeastern Pennsylvania  
Issued By Rutgers University  
New Brunswick, NJ  
8 Am EDT Monday, April 5, 2010**

Rainfall amounts none through Tuesday. Winds for spraying southwest 10 to 15 mph today, northwest 5 mph tonight, and Tuesday.

Relative humidity in percent 25 to 35 today, 90 to 100 tonight, 30 to 40 Tuesday. Dew points low 40s today, mid 40s tonight, near 50 Tuesday. Drying conditions very good today, very good Tuesday. Light dew tonight and Tuesday night. Percent of possible sunshine 90 today, 90 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.

Overnight low temperatures in the representative cranberry bogs will remain above freezing tonight and Tuesday night.

Four inch soil temperatures are now averaging in the upper 40s north, low 50s central, and mid 50s south. Soil temperatures will increase somewhat over the next few days.

Early season hay cutting will see much better conditions than normal for the next few days with warm daytime temperatures, abundant sunshine and low humidity. It appears the next threat of showers will be later Thursday.

The latest 8 to 14 day outlook for the period April 12, 2010 to April 18, 2010 is calling for temperatures to average above normal and precipitation to average near normal.

**Climate summary for the week ending 8am 04/5/10**

Temperatures averaged much above normal, averaging 53 degrees north, 54 degrees central, and 53 degrees south. Extremes were 78 degrees at Hammonton on April 5, 2010, and 36 degrees at several locations on April 1, 2010.

Weekly rainfall averaged 2.13 inches north, 2.86 inches central, and 2.11 inches south. The heaviest 24 hour total reported was 2.70 inches at Toms River on March 29, 2010 to March 30, 2010.

Estimated soil moisture, in percent of field capacity, this past week averaged 97 percent north, 96 percent central and 95 percent south.

Four inch soil temperatures averaged 50 degrees north, 51 degrees central, and 52 degrees south.

**Wet Fields Delay Spring Plantings**

Days suitable for field work, for the week ending Sunday, April 4, 2010, were 4.0. Topsoil moisture was rated as 40% adequate and 60% surplus. Subsoil moisture was rated as 40% adequate and 60% surplus. There were measurable amounts of rainfall for the week in most localities. Temperatures were above normal across the Garden State. Producers began tilling fields where ground permitted. Farmers spread fertilizer on hay and small grains. Spring vegetable planting started for peas, snap beans, cabbage, and sweet corn. Other activities included harvesting spinach and broccoli, spraying herbicides, and livestock care. Pastures rated mostly fair to good.

**Weather Summary for the Week Ending Monday, April 5, 2010**

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	Inches	Inches	Degrees	Degrees	Degrees	Degrees	Base 50° F	Base 50° F	Percent
<b>North</b>										
Belvidere Bridge	1.34	6.57	2.10	75	36	53	7	41	41	91
Canoe Brook	2.16	11.99	6.81	77	39	54	8	64	64	92
Charlotteburg	2.98	12.84	8.02	76	37	53	10	42	42	92
Flemington	1.82	10.21	5.36	76	36	53	7	59	59	95
Newton	2.34	8.68	4.50	73	36	53	9	49	49	92
<b>Central</b>										
Freehold	2.85	10.48	5.42	76	38	53	6	70	70	92
Long Branch	2.75	9.28	4.02	67	39	49	2	21	21	88
New Brunswick	2.15	11.13	6.46	77	38	53	5	61	61	94
Toms River	3.79	9.86	4.92	70	39	52	5	39	39	86
Trenton	2.75	7.41	2.83	75	40	56	7	92	92	84
<b>South</b>										
Cape May C.H.	2.95	8.00	3.54	67	32	46	-3	26	26	92
Downstown	2.28	7.99	3.42	77	37	54	5	62	62	86
Glassboro	0.78	7.77	2.99	75	38	55	6	88	88	84
Hammonton	2.36	8.29	3.70	78	40	55	6	83	83	82
Pomona	2.97	8.59	4.02	74	39	52	4	56	56	87
Seabrook	1.29	7.27	3.28	76	38	54	5	96	96	85
South Harrison <sup>3</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*Departure from normal.

<sup>1</sup> Growing degree days since March 1, 2010, 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.

USDA, NASS  
New Jersey Field Office  
Rm 205 Health and Ag Bldg  
P.O. Box 330  
Trenton, NJ 08625