

**Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania  
Issued by Rutgers University New Brunswick NJ  
8 am EDT Monday, May 21, 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, northwest 10 to 15 mph today, north 5 mph tonight, north then southeast 5 to 10 mph Tuesday.

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

Dew points, generally in the low to mid 40s through Tuesday.

Drying conditions, good today, good Tuesday.

Frost freeze or dew, light dew tonight, light dew Tuesday night.

Percent of possible sunshine, 80 today, 90 Tuesday.

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 is favorable in most locations but will decrease with little precipitation expected for much of the week.

Temperatures in the representative cranberry bogs could drop to 26 to 30 tonight and 28 to 32 Tuesday night.

Hay cutting will see good drying for much of the week with little if any rain and a good amount of sunshine.

The latest 8 to 14 day outlook for the period May 28, 2007, though June 3, 2007, is calling for temperatures to average near normal and precipitation to total above normal.

**Climate summary for the week ending 8am 5/21/07**

Temperatures averaged near normal, averaging 60 degrees north, 62 degrees central, and 62 degrees south. Extremes were 88 degrees at Freehold and Toms River on May 17, 2007, and 36 degrees at Newton on May 15, 2007.

Weekly rainfall averaged 0.71 inches north, 0.69 inches central, and 0.78 inches south. The heaviest 24 hour total reported was 1.14 inches at Seabrook on May 16, 2007, through May 17, 2007.

Estimated soil moisture, in percent of field capacity, this past week averaged 87 percent north, 87 percent central, and 84 percent south.

Four inch soil temperatures averaged 61 degrees north, 62 degrees central, and 63 degrees south.

**Weather Summary for the Week Ending 8 am Monday, May 21, 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 -			
<b>NORTH</b>										
Canoe Brook	.92	19.68	8.39	87	42	61	0	336	152	94
Charlotteburg	.83	14.98	3.86	84	46	60	2	288	174	85
Flemington	.66	18.62	7.91	85	43	60	-1	316	119	87
Newton	.43	10.95	1.06	84	36	58	-1	261	117	82
<b>CENTRAL</b>										
Freehold	.47	14.07	3.40	88	46	63	1	448	201	78
Long Branch	.85	14.56	3.54	86	43	61	0	300	90	94
New Brunswick	.90	18.80	8.35	85	48	63	0	365	91	89
Toms River	.60	11.68	1.00	88	40	60	-2	347	115	74
Trenton	.64	15.83	6.17	84	42	61	-3	392	85	85
<b>SOUTH</b>										
Cape May C.H.	.48	7.80	-1.56	82	42	60	-2	337	66	77
Downtown	.77	13.01	3.39	86	39	61	-3	407	88	82
Glassboro	1.12	12.30	2.09	85	49	63	-1	479	174	85
Hammonton	.56	11.94	2.00	87	41	62	-1	420	123	71
Pomona	.63	10.11	.80	85	40	61	-1	385	136	80
Seabrook	1.14	13.29	4.52	85	46	64	0	500	176	84
South Harrison	.85	14.58	5.13	84	46	63	NA	459	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.

### Strawberry Picking Begins

Days suitable for field work, for the week ending Sunday, May 20, 2007, were 6.0. Topsoil moisture was rated 30% short and 70% adequate. Irrigation water supply was rated 100% adequate. There were measurable amounts of rainfall during the week in most localities. Temperatures were variable across the Garden State. Apples were past petal fall in the northern district. Peach and apple bloom ended in the Central district. Corn and soybeans were emerging, and wheat was heading, in the Central district. Strawberry harvest continued in the Southern district. Peaches were dropping, and apples were chemically thinned. Producers continued planting field corn, soybeans, and summer vegetables. Irrigation was necessary in some Southern fields. Harvest of early season vegetables, including asparagus and lettuce, continued across the state. Producers continued greenhouse work, field preparation and spraying.

### Jersey Fresh Availability For May 21, 2007

<b>Arugula</b>	Good quality harvesting in fair to increasing volume.
<b>Asparagus</b>	Good quality harvesting in fair to good volume. Volume still growing as warmer weather this week will bring along the harvest.
<b>Baby Arugula &amp; Baby Spinach</b>	Harvesting good quality and quantity.
<b>Beets</b>	Harvesting good quality and quantity.
<b>Cilantro</b>	A fair volume of good quality over-wintered product is still available as Spring planted is now available in fair volume.
<b>Collards</b>	Good quality harvesting in fair to increasing quantity.
<b>Dandelions</b>	Good quality and quantity of Spring planted San Pasquale variety available.
<b>Dill</b>	Harvesting good quality in fair to good quantity.
<b>Escarole &amp; Endive</b>	Harvesting in good quality and quantity.
<b>Kale</b>	Good quality product harvesting in fair to increasing volume.
<b>Leeks &amp; Green Onions</b>	A good volume of fair to good quality over-wintered product is available now and for some time.
<b>Lettuce</b>	Harvesting good quantities of good quality Boston, Red & Green Leaf, and Romaine.
<b>Mint</b>	Good quality harvesting in fair to good quantity.
<b>Parsley</b>	Good quality of over-winter curly product still available in fair quantity. New plain product available in light to increasing quantity
<b>Radishes</b>	Harvesting in good quality and volume.
<b>Spinach</b>	A good volume of excellent quality over-wintered product is still available as Spring planted is also becoming available.
<b>Strawberries</b>	Harvesting Chandler variety berries in fair to good quantity and good quality. The bulk of the crop will be harvested over the next two weeks, with lower volume to continue through early June.
<b>Swiss Chard</b>	A good volume and quality of over-wintered product available. Spring planted should become available later on next week.

### Jersey Fresh Forecast

<b>Basil</b>	Likes warmer weather. Should be ready by the second week of June.
<b>Blueberries</b>	Minor quantities of early varieties like Weymouth starting mid-June. Much more widely planted Duke variety starting 3-4 days later with volume available a week after that.
<b>Cabbage</b>	Late transplanting due to cold Spring. Should be ready by mid-late June.
<b>Cucumbers</b>	Harvesting light quantities of tunnel grown by late May or early June. Field grown will be available two weeks later, in mid-June. Pickles should be ready by the first week of June.
<b>Squash</b>	Should begin harvesting light quantities of Yellow/Zucchini started in tunnels by the end of May. Field grown by the 1 <sup>st</sup> or 2 <sup>nd</sup> week of June.
<b>Turnips</b>	Should begin harvesting around the end of May.