



# NEW JERSEY WEEKLY CROP WEATHER

## Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania Issued by Rutgers University New Brunswick NJ 8 am EDT Monday, October 15, 2007

Rainfall amounts, none through Tuesday.

Winds for spraying, northwest 5 to 10 mph today, light and variable tonight, southeast 5 to 10 mph Tuesday.

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

Dew points, low to mid 40s today and tonight, upper 40s Tuesday.

Drying conditions, good through Tuesday.

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

Percent of possible sunshine, 80 today, 40 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 improved in some locations late last week, but dry weather today and Tuesday will continue to cause soil moisture to decrease.

Temperatures in the representative cranberry bogs could drop to 30 to 34 tonight but should remain above freezing Tuesday night.

Late season hay cutting will see fairly good conditions for the next few days with heavy overnight dew but mostly sunny days and little threat of rain through Wednesday.

The latest 8 to 14 day outlook for the period October 22, 2007 to October 28, 2007 is calling for temperatures to average near normal and precipitation to total above normal.

### Climate summary for the week ending 8 am 10/15/07

Temperatures averaged much above normal averaging 60 degrees North, 62 degrees Central, and 63 degrees South. Extremes were 91 degrees at New Brunswick on October 9, 2007 and 33 degrees at Long Branch on October 14, 2007.

Weekly rainfall averaged 2.52 inches North, 1.34 inches Central, and 1.64 inches South. The heaviest 24 hour total reported was 1.67 inches at Newton and New Brunswick on October 11, 2007 to October 12, 2007.

Estimated soil moisture, in percent of field capacity, this past week averaged 96 percent North, 88 percent Central, and 90 percent South. Four inch soil temperatures averaged 60 degrees north, 63 degrees Central, and 69 degrees South.

### 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

### Weather Summary for the Week Ending 8 am Monday, October 15, 2007

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 -			- Degrees-				- Base 50°F -			
<b>NORTH</b>										
Canoe Brook	1.97	45.73	14.02	90	37	62	9	3325	617	97
Charlotteburg	2.70	34.10	1.88	86	38	58	7	2976	853	98
Flemington	1.77	35.78	5.57	88	35	60	7	3273	496	97
Newton	3.65	31.63	2.20	88	36	58	7	2932	556	98
<b>CENTRAL</b>										
Freehold	1.05	34.09	4.71	87	36	61	6	3537	549	90
Long Branch	1.50	33.40	3.64	88	33	62	6	3162	230	95
New Brunswick	2.21	40.64	10.84	91	37	62	6	3460	340	98
Toms River	.95	27.90	-2.65	88	35	62	6	3357	430	83
Trenton	1.00	28.58	.48	90	39	63	6	3633	380	84
<b>SOUTH</b>										
Cape May C.H.	2.36	20.64	-5.76	88	37	63	4	3526	485	93
Downtown	1.18	21.44	-6.13	88	36	62	5	3627	343	92
Glassboro	1.56	26.13	-2.97	89	43	64	8	3984	751	93
Hammonton	1.43	21.94	-7.06	90	36	63	7	3744	507	95
Pomona	1.67	23.93	-2.23	89	39	64	8	3680	673	92
Seabrook						Data Not Available				
South Harrison	1.79	26.38	-2.07	87	42	64	NA	3855	NA	NA

\*Departure from normal.

<sup>1/</sup>Growing degree days since March 1, 2007, total and departure from normal or long term average.

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

## Grape Processing Begins

Days suitable for field work, for the week ending Sunday, October 14, 2007, were 4.0. Topsoil moisture was rated 60% short and 40% adequate. Irrigation water supply was rated 30% short and 70% adequate. There were measurable amounts of rainfall for the week in most localities. Temperatures were above normal the beginning of the week, but fell to near or below normal by the end of the week, in most areas of the Garden State. Harvest of field corn continued. Soybean harvest progressed. The planting of cover crops continued. Producers continued harvesting vegetables. Pumpkin harvest continued across the state. Cranberry harvest continued. Apple harvest progressed across the state. Grape harvest neared completion, and the processing of grapes began in the southern district.

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