

**Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania
Issued by Rutgers University New Brunswick NJ
8 am EDT Monday, July 23, 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, totals exceeding an inch are possible today and tonight especially central and north but only modest amounts south, none Tuesday.

Winds for spraying, north 10 to 20 mph today, northeast around 10 tonight, northwest around 10 mph Tuesday.

Relative humidity in percent, 60 to 70 today, near 100 tonight, 40 to 50 Tuesday.

Dew points, 60 to 65 through Tuesday.

Drying conditions poor today, fair to good Tuesday.

Dew wetting in rain likely tonight, light dew Tuesday night.

Percent of possible sunshine, 0 today, 80 Tuesday.

There is a near 70 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 much below 50 percent in many southern locations. There is a chance of significant rainfall through tonight which should ease the need for irrigation in many locations.

Conditions will be unfavorable for cranberry scald today and probably unfavorable on Tuesday as well.

Hay cutting should not be considered today with the likely hood of rain. Drier weather should move in on Tuesday but then with another chance of afternoon thundershowers Wednesday.

The latest 8 to 14 day outlook for the period July 30, 2007 to August 5, 2007 is calling for temperatures to average above normal and precipitation to total below normal.

Climate summary for the week ending 8 am 7/23/07

Temperatures averaged near normal, averaging 73 degrees North, 74 degrees Central, and 77 degrees South. Extremes were 92 degrees at Seabrook on July 17, 2007 and at Charlotteburg and Flemington on July 21, 2007.

Weekly rainfall averaged 0.83 inches North, 1.83 inches Central, and 0.57 inches South. The heaviest 24 hour total reported was 2.98 inches at Toms River on July 18, 2007 and July 19, 2007.

Estimated soil moisture, in percent of field capacity, this past week averaged 82 percent North, 75 percent Central, and 53 percent South.

Four inch soil temperatures averaged 73 degrees North, and 75 degrees Central, and 77 degrees South.

Weather Summary for the Week Ending 8 am Monday, July 23, 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 | .83 | 31.08 | 11.53 | 91 | 58 | 74 | 0 | 1735 | 377 | 82 |
| Charlotteburg | 2.00 | 22.60 | 2.88 | 88 | 57 | 71 | -1 | 1490 | 382 | 90 |
| Flemington | .15 | 25.24 | 6.36 | 89 | 57 | 74 | 0 | 1629 | 229 | 67 |
| Newton | .34 | 17.86 | -.16 | 85 | 59 | 72 | -1 | 1468 | 254 | 72 |
| CENTRAL | | | | | | | | | | |
| Freehold | 3.17 | 25.14 | 6.79 | 87 | 59 | 74 | -1 | 1815 | 308 | 100 |
| Long Branch | 1.83 | 23.03 | 4.77 | 88 | 63 | 74 | -1 | 1608 | 178 | 76 |
| New Brunswick | .32 | 27.19 | 8.96 | 89 | 61 | 75 | -1 | 1739 | 148 | 68 |
| Toms River | 3.41 | 19.78 | 1.08 | 87 | 60 | 74 | -1 | 1656 | 219 | 76 |
| Trenton | .44 | 23.21 | 5.84 | 90 | 59 | 75 | -2 | 1809 | 155 | 44 |
| SOUTH | | | | | | | | | | |
| Cape May C.H. | .16 | 11.75 | -4.46 | 90 | 61 | 76 | 0 | 1701 | 168 | 35 |
| Downtown | .73 | 17.07 | .07 | 91 | 60 | 76 | 0 | 1819 | 153 | 58 |
| Glassboro | .16 | 20.54 | 2.52 | 91 | 65 | 78 | 2 | 2022 | 377 | 39 |
| Hammonton | .79 | 16.69 | -1.28 | 91 | 61 | 77 | 1 | 1878 | 238 | 55 |
| Pomona | 1.08 | 16.95 | .76 | 91 | 60 | 76 | 1 | 1818 | 293 | 58 |
| Seabrook | .51 | 17.28 | .85 | 92 | 62 | 78 | 2 | 2028 | 355 | 46 |
| South Harrison | .91 | 20.06 | 1.86 | 91 | 61 | 76 | NA | 1950 | 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.

Peach Harvest Begins

Days suitable for field work, for the week ending Sunday, July 22, 2007, were 6.0. Topsoil moisture was rated 10% very short, 40% short and 50% adequate. Irrigation water supply was rated 15% short and 85% adequate. There were measurable amounts of rainfall during the week in most localities. Temperatures were near normal for the beginning of the week, but fell to below normal for the end of the week, in most areas of the Garden State. Corn continued to tassel across the state, and had reached the dough stage in some central areas. Soybeans continued to bloom. Peach harvest began in some northern localities. Producers continued spraying, and harvesting vegetables. A county agent noted an increase in both bacterial and fungal pathogens on tomatoes, peppers, and squash. Producers continued harvesting hay. Irrigation was necessary in some southern localities.
