

**Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania
Issued by Rutgers University New Brunswick NJ
8 am EDT Monday, August 6, 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, scattered totals of one to two tenths of an inch with some locally heavier amounts today, especially in the south, none tonight and Tuesday.

Winds for spraying, southwest around 10 mph today, light southwest tonight, southwest around 10 mph Tuesday.

Relative humidity in percent, 55 to 65 today, 90 to 100 tonight, 50 to 60 Tuesday.

Dew points, low 70s today and tonight, mid 70s Tuesday.

Drying conditions, fair at best today, fair Tuesday.

Light dew tonight, and Tuesday night.

Percent of possible sunshine, 30 today, 70 Tuesday.

There is a 50 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 has decreased for most of the week with sunny skies and hot temperatures and no rain. Soil moisture has improved in some southern locations in rainfall Sunday night. Overall rainfall amounts today will be modest, therefore the need for irrigation will remain high in many locations.

Conditions will be unfavorable for cranberry scald today and Tuesday.

Hay cutting will run the risk of scattered wetting today.

The latest 8 to 14 day outlook for the period August 13, 2007 to August 19, 2007 is calling for temperatures to average above normal and precipitation to total below normal.

Climate summary for the week ending 8 am 8/6/07

Temperatures averaged much above normal, averaging 77 degrees North, 78 degrees Central, and 80 degrees South. Extremes were 96 degrees at Hammonton, Seabrook, and Pomona on August 3, 4, and 5, 2007, and 59 degrees at Newton on August 6, 2007.

Weekly rainfall averaged 0.59 inches North, 0.01 inches Central, and 0.66 inches South. The heaviest 24 hour total reported was 1.04 inches at Cape May Courthouse on August 30, 2007 to August 31, 2007.

Estimated soil moisture, in percent of field capacity, this past week averaged 82 percent North, 72 percent Central, and 56 percent South. Four inch soil temperatures averaged 76 degrees North, 77 degrees Central, and 78 degrees South.

Weather Summary for the Week Ending 8 am Monday, August 6, 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 | .91 | 34.69 | 13.09 | 95 | 65 | 79 | 6 | 2107 | 417 | 78 |
| Charlotteburg | .92 | 25.85 | 4.07 | 91 | 60 | 75 | 4 | 1826 | 506 | 80 |
| Flemington | .07 | 27.16 | 6.26 | 95 | 62 | 78 | 5 | 1988 | 252 | 76 |
| Newton | .45 | 21.42 | 1.40 | 89 | 59 | 75 | 3 | 1796 | 258 | 74 |
| CENTRAL | | | | | | | | | | |
| Freehold | .00 | 27.52 | 7.23 | 94 | 63 | 77 | 3 | 2166 | 308 | 71 |
| Long Branch | .00 | 27.51 | 7.26 | 91 | 63 | 77 | 3 | 1947 | 168 | 52 |
| New Brunswick | .05 | 30.75 | 10.44 | 93 | 63 | 78 | 4 | 2095 | 152 | 77 |
| Toms River | | | | Data Not Available | | | | | | |
| Trenton | .00 | 24.25 | 4.84 | 94 | 66 | 79 | 3 | 2186 | 159 | 36 |
| SOUTH | | | | | | | | | | |
| Cape May C.H. | 1.44 | 13.78 | -4.20 | 91 | 66 | 78 | 2 | 2071 | 171 | 66 |
| Downstown | .51 | 17.77 | -1.23 | 95 | 64 | 80 | 4 | 2201 | 162 | 54 |
| Glassboro | .60 | 21.44 | 1.47 | 95 | 69 | 82 | 6 | 2435 | 422 | 58 |
| Hammonton | .94 | 17.77 | -2.26 | 96 | 65 | 80 | 4 | 2261 | 249 | 63 |
| Pomona | .07 | 17.45 | -.70 | 96 | 66 | 79 | 5 | 2193 | 315 | 39 |
| Seabrook | .42 | 17.79 | -.54 | 96 | 67 | 81 | 5 | 2433 | 387 | 49 |
| South Harrison | .50 | 20.77 | .67 | 93 | 67 | 80 | NA | 2339 | 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.

Potato Harvest Begins

Days suitable for field work, for the week ending Sunday, August 5, 2007, were 6.5. Topsoil moisture was rated 10% very short, 40% short and 50% adequate. Irrigation water supply was rated 5% very short, 5% short and 90% adequate. There was trace to measurable amounts of rainfall during the week in most localities. Temperatures were above normal for the week in most areas of the Garden State. Corn progressed to the dough stage in northern areas. A county agent in the south reported that lack of rainfall resulted in curled corn leaves. Producers began chopping silage in the south. Soybeans had finished setting pods in some localities in the north. Peach harvest began in southern localities. A county agent in the south reported some scab on apples. Producers continued spraying, and harvesting vegetables. Potato harvest began in some southern fields. Producers noted some mildew on pumpkins. Second cutting of other hay fields was delayed due to rain showers in some parts of the northern district. There was some fourth cutting of alfalfa in the south. Irrigation was necessary in some central and southern localities. A county agent in the central district reported weed control in pasture became a problem with crabgrass, ragweed and other invasive species. Some livestock stressed by heat.

JERSEY FRESH AVAILABILITY FOR AUGUST 6, 2007

| | |
|--|---|
| ARUGULA & CILANTRO | A light volume of fair to good quality product should continue to be available even with the warm temperatures. |
| BABY ARUGULA & BABY SPINACH | Harvesting good quality and quantity. Not as affected by the heat. |
| BASIL | Likes warmer weather. Harvesting good quality and quantity. |
| BLUEBERRIES | The late variety Elliott is available for another week or so in decreasing volume. Fruit quality is good. |
| BEETS | Harvesting good quality and fair quantity. |
| CABBAGE | Good quality and quantity. |
| CANTALOUPE | Harvesting very good quality in light quantity. Expect an increased supply for Labor Day and then finishing up soon thereafter. |
| COLLARDS | Fair to good quality harvesting in good quantity. |
| CUCUMBERS & PICKLES | Harvesting light quantities in good quality as many farmers are between plantings right now. Expect volume to increase over the next two weeks. |
| DILL | Harvesting good quality in fair quantity. |
| EGGPLANT | Harvesting a good volume of excellent quality product. |
| ESCAROLE & ENDIVE | Very light supplies. Will be back in volume in mid-September. |
| KALE | Good quality product harvesting in fair volume. |
| LEEK & GREEN ONIONS | A fair volume of good quality product is available. |
| MELONS | Harvesting very good quality in good quantities. |
| MINT | Good quality harvesting in good quantity. Likes the warmth. |
| NECTARINES | A good steady volume of the widely planted Sunglo and Flavortop varieties are available in very good quality. |
| PARSLEY | Good quality products available in good quantities. |
| PEACHES | Harvesting yellow Loring, Flamin Fury, and Bounty varieties and White Lady and Klondike variety white peaches all in peak volume. Peaches available through mid-September. Color, size, and brix are excellent. |
| PEPPERS | A large volume of excellent quality product is in the marketplace. |
| RADISHES | Temperature sensitive, a light quantity of good quality is available. |
| SPINACH | Very light supplies. Will be back in volume in mid-September. |
| SQUASH | Harvesting light quantities in good quality as many farmers are between plantings right now. Expect volume to increase over the next two weeks. |
| SWEET CORN | Good quality and quantity. Good wholesale availability until the week after Labor Day. Quantity and quality varies after that. |
| SWISS CHARD | A light to decreasing volume of fair quality available with this heat. |
| TOMATOES | A large volume of excellent quality rounds and plums are in the marketplace. It is the beginning of "canning season" for plums. |
| TURNIPS | Harvesting good quality in light quantity with the heat. |
| WHITE POTATOES | Harvesting mainly round white varieties, with some Yukon Gold and redskin varieties as well. Source your potatoes in "Jersey Fresh" bags. |