

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

Volume 69 No. 15

Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania Issued by Rutgers University New Brunswick NJ 8 am EDT Monday, July 16, 2007

Date: July 16, 2007

Rainfall amounts, about one tenth of an inch today, tonight, and again on Tuesday, with heavier amounts in thunderstorms.

Winds for spraying, west/south 5 to 10 mph today, light and variable tonight, west/south 5 to 10 mph Tuesday.

Relative humidity in percent 45 to 55 today, 90 to 100 tonight, 45 to 55 Tuesday.

Dew points mid to upper 60s today, around 70 Tuesday.

Drying conditions fair today and Tuesday with a slight chance of wetting in showers.

Light dew tonight and Tuesday night.

Percent of possible sunshine, 70 today, 70 Tuesday.

There is a 40 percent probability of precipitation, mostly late, 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 below 50 percent in many southern locations. The need for irrigation will remain high in many southern locations with very warm temperatures, mostly sunny skies, and only scattered showers. The showers will provide limited relief in localized areas, therefore irrigation will likely remain necessary.

Conditions will likely be unfavorable for cranberry scald today and Tuesday as dew points remain above critical levels through the week.

Hay cutting will only see fair drying today and Tuesday due to scattered clouds and showers, high dew points, and light winds.

The latest 8 to 14 day outlook for the period July 23, 2007 to July 29, 2007 is calling for temperatures to average near normal and precipitation to total below normal.

Climate summary for the week ending 8 am 7/16/07

Temperatures averaged above normal in the North and Central, averaging 74 degrees and 77 degrees, respectively, and much above normal in the South, averaging 80 degrees. Extremes were 98 degrees at Pomona on July 10, 2007, and 56 degrees at Charlotteburg on July 13, 2007 and July 14, 2007.

Weekly rainfall averaged 0.60 inches North, 0.50 inches Central, and 0.04 inches South. The heaviest 24 hour total reported was 1.22 inches at Newton on July 11, 2007 to July 12, 2007.

Estimated soil moisture, in percent of field capacity, this past week averaged 82 percent North, 72 percent Central, and 47 percent South.

Four inch soil temperatures averaged 73 degrees North, 76 degrees Central, and 78 degrees South.

Weather Summary for the Week Ending 8 am Monday, July 16, 2007

Weather Stations	Rainfall			Temperatures				Growing Degree Days		Soil
	Last Week	Since March 1		Last Week				1 1/		Moisture 2/
		Total	Dept.*	Max.	Min.	Avg.	Dept.*	Total	Dept.*	
	•	- Inches -		- Degrees			- Base 50F -			
				NO	ORTH					
Canoe Brook				Data Not Available						
Charlotteburg	.25	20.60	1.84	92	56	73	3	1344	383	65
Flemington	.26	25.09	7.19	96	57	76	2	1456	224	75
Newton	1.29	17.52	.43	93	57	74	3	1315	257	87
				CEN	NTRAL			•	•	
Freehold	1.20	21.97	4.53	97	58	77	3	1645	312	82
Long Branch	.45	21.20	3.82	95	64	77	3	1438	180	54
New Brunswick	.15	26.87	9.63	96	59	77	2	1566	154	70
Toms River				Data Not Available						
Trenton	.21	22.77	6.44	94	63	78	2	1632	161	46
	. I			sc	DUTH			U.		
Cape May C.H.				Data Not Available						
Downstown				Data Not Available						
Glassboro	.07	20.38	3.29	96	66	80	4	1824	361	39
Hammonton				Data Not Available						
Pomona	.00	15.87	.59	98	62	80	5	1631	281	29
Seabrook	.00	16.77	1.30	97	64	80	4	1832	339	35
South Harrison				Data Not Available						

^{*}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

Soybeans Begin to Bloom

Days suitable for field work, for the week ending Sunday, July 15, 2007, were 6.0. Topsoil moisture was rated 10% very short, 40% short and 50% adequate. Irrigation water supply was rated 20% short and 80% adequate. There were measurable amounts of rainfall during the week in most localities. Temperatures were near, or above, normal for the week in most areas of the Garden State. Corn continued to tassel across the state. Soybeans began to bloom in some localities. Harvest of barley and wheat neared completion. Producers continued spraying, and harvesting vegetables. A county agent noted an increase in both bacterial and fungal pathogens on tomatoes, peppers, and watermelons. Producers continued harvesting hay. Irrigation was necessary in some southern localities.