



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

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Date: August 20, 2007

Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania Issued by Rutgers University New Brunswick NJ 8 am EDT Monday, August 20, 2007

Rainfall amounts, a quarter to half an inch today, up to half an inch tonight, additional rain of up to half an inch Tuesday.

Winds for spraying, east around 10 mph today, east 5 to 10 mph tonight, east around 10 Tuesday.

Relative humidity in percent.greater than 80 today, around 100 tonight, 80 to near 100 Tuesday.

Dew points, low to mid 60s through Tuesday.

Drying conditions, poor with wetting in rain today and Tuesday.

Frost freeze or dew, dew/wetting in rain tonight and Tuesday night.

Percent of possible sunshine, 20 today, 20 Tuesday.

There is an 80 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 continues to be very short in much of the south and has become very short in many central locations. However with precipitation continuing statewide today through Tuesday, irrigation will not be necessary in nearly all locations the next couple of days.

Conditions will be unfavorable for cranberry scald today and Tuesday.

Hay cutting should not be done today or Tuesday due to overcast skies, cool temperatures, and widespread rain.

The latest 8 to 14 day outlook for the period August 27, 2007 to September 2, 2007 is calling for temperatures to average near normal and precipitation to total near normal.

Climate summary for the week ending 8 am 8/20/07

Temperatures averaged near normal, averaging 69 degrees North, 73 degrees Central, and 75 degrees South. Extremes were 93 degrees at Pomona on August 14, 2007, and 47 degrees at Canoe Brook on August 19, 2007.

Weekly rainfall averaged 0.77 inches north, 1.86 inches Central, and 0.52 inches South. The heaviest 24 hour total reported was 2.73 inches at New Brunswick on August 17, 2007 to August 18, 2007.

Estimated soil moisture, in percent of field capacity, this past week averaged 86 percent North, 74 percent Central, and 53 percent South. Four inch soil temperatures averaged 70 degrees North, 74 degrees Central, and 75 degrees South.

Weather Summary for the Week Ending 8 am Monday, August 20, 2007

Weather Stations	Rainfall			Temperatures				Growing Degree Days 1/		Soil Moisture 2/
	Last Week	Since March 1		Last Week						
		Total	Dept.*	Max.	Min.	Avg.	Dept.*	Total	Dept.*	
- Inches - - Degrees- - Base 50F -										
NORTH										
Canoe Brook	.85	40.37	16.55	87	47	70	0	2430	434	90
Charlotteburg	.11	29.27	5.23	85	53	68	1	2111	535	73
Flemington	2.06	30.81	7.83	89	54	69	-2	2301	254	100
Newton	.08	25.85	3.68	83	54	68	0	2087	272	75
CENTRAL										
Freehold	1.77	30.46	8.08	89	53	73	1	2521	339	100
Long Branch	1.67	29.86	7.30	89	58	72	0	2287	184	100
New Brunswick	3.30	35.48	12.96	89	56	72	-1	2441	172	100
Toms River	1.60	24.10	.99	89	56	72	1	2349	262	100
Trenton	.97	25.48	4.05	90	58	74	1	2556	183	76
SOUTH										
Cape May C.H.	.62	15.08	-4.87	89	58	74	0	2441	391	68
Downstown	.53	18.32	-2.78	91	57	74	1	2568	190	61
Glassboro	.35	22.29	.23	90	57	75	2	2822	466	53
Hammonton	.35	18.48	-3.61	91	59	75	2	2641	282	52
Pomona	.76	18.60	-1.68	93	58	75	3	2582	382	65
Seabrook	Data Not Available									
South Harrison	.65	22.38	.45	88	61	75	NA	2725	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.

Apple Harvest Begins

Days suitable for field work, for the week ending Sunday, August 19, 2007, were 5.5. Topsoil moisture was rated 10% very short, 40% short, and 50% adequate. Irrigation water supply was rated 5% very short, 15% short and 80% adequate. There was trace to measurable amounts of rainfall during the week in most localities, with some localized thunderstorms. Temperatures were variable for the week across the Garden State. Storms knocked over some field corn in parts of the northern district. In areas of the central district, soybean blooms were aborted by heat and some insect damage noted. Leaf hoppers were noted in some central alfalfa hay fields. Apple harvest began in northern localities. Peach harvest continued across the state. Producers continued harvesting vegetables. Fall vegetable planting progressed. Potato harvest continued. Pumpkins began to turn color. A county agent reported some cracking of tomatoes in northern fields. In the central district a county agent noted increased bacterial canker on large tomato acreage. Irrigation was necessary in some southern localities. Some livestock stressed by heat.
