



**WEATHER ADVISORY FOR NEW JERSEY
AND SOUTHEASTERN PENNSYLVANIA
ISSUED BY RUTGERS UNIVERSITY
NEW BRUNSWICK, NJ
8 AM EDT MONDAY, JULY 21, 2008**

Rainfall amounts none today, one tenth of an inch or less with isolated higher amounts tonight and Tuesday. Winds for spraying west 5 to 10 mph today, southwest 5 to 10 mph tonight, west 5 to 10 mph Tuesday. Relative humidity in percent 45 to 55 today, 90 to 100 tonight, 40 to 50 Tuesday. Dew points upper 60s to low 70s through Tuesday. Drying conditions fair today, fair Tuesday. Light dew tonight with possible wetting in isolated showers, light dew Tuesday night with possible wetting in isolated showers. Percent of possible sunshine 60 today, 60 Tuesday.

There is a 20 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. Conditions should be unfavorable for cranberry scald today and Tuesday. Hay cutting will see fair conditions through Tuesday with a threat of isolated wetting possible from showers today and Tuesday.

Estimated soil moisture in percent of field capacity continues to decrease and therefore the need for irrigation will continue to increase with only an isolated threat of rain through Tuesday. Growing degree day totals base 50 since March 1, 2008 continue to run well ahead of normal. Precipitation totals are averaging near normal in some locations to below normal in others.

The latest 8 to 14 day outlook for the period July 28, 2008 to August 3, 2008 is calling for temperatures to average above normal and precipitation to total below normal.

Climate summary for the week ending 8am 7/21/08

Temperatures averaged much above normal, averaging 77 degrees north, 79 degrees central, and 79 degrees south. Extremes were 97 degrees at several locations on July 19, 2008, July 20, 2008, and July 21, 2008, and 57 degrees at Flemington on July 16, 2008.

Weekly rainfall averaged 0.50 inches north, 0.20 inches central, and 0.11 inches south. The heaviest 24 hour total reported was 0.78 inches at Andover on July 15, 2008.

Estimated soil moisture, in percent of field capacity, this past week averaged 75 percent north, 52 percent central, and 46 percent south. Four inch soil temperatures averaged 75 degrees north, 76 degrees central, and 76 degrees south.

Summer Vegetable Harvesting Continues

Days suitable for field work, for the week ending Sunday, July 20, 2008, were 6.5. Topsoil moisture was rated as 20% very short, 35% short and 45% adequate. Subsoil moisture was rated as 5% very short, 35% short and 60% adequate. There were no measurable amounts of rainfall for the week in most localities. Temperatures were above normal during the week across the Garden State. Producers continued harvesting summer vegetables. Various crops suffered slow growth and sunburn from the hot weather throughout the state. Fields were irrigated as dry conditions persisted. In the central district, the second cutting of hay was underway. Late blueberry harvesting continued, while peaches colored nicely in south Jersey. Other activities included spraying, baling, and harvesting.

Weather Summary for the Week Ending Monday, July 21, 2008

Weather Stations	Rainfall			Temperatures				Growing Degree Days ¹		Soil Moisture ²
	Last Week	Since March 1		Last Week				Total	Dept.*	
	<i>Inches</i>	Total	Dept.*	Max.	Min.	Avg.	Dept.*	Base 50°F	Base 50°F	Percent
North										
Belvidere Bridge	0.54	17.35	-0.83	94	61	79	6	1,622	316	69
Canoe Brook	0.34	18.41	-0.86	97	59	77	3	1,603	293	76
Charlotteburg	0.39	17.29	-2.16	92	58	76	5	1,404	340	58
Flemington	0.38	17.68	-0.92	96	57	78	4	1,602	250	75
Newton	0.87	16.78	-0.97	92	60	77	5	1,619	451	68
Central										
Freehold	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Long Branch	0.03	15.65	-2.36	94	64	79	4	1,572	192	28
New Brunswick	0.16	18.31	0.37	97	60	80	4	1,696	157	67
Toms River	0.12	14.63	-3.77	96	60	78	4	1,642	254	33
Trenton	0.49	16.46	-0.61	96	62	79	3	1,772	171	45
South										
Cape May C.H.	0.00	12.49	-3.49	93	62	78	2	1,716	235	30
Downstown	0.25	16.25	-0.47	94	59	78	2	1,779	165	40
Glassboro	0.05	16.09	-1.66	96	65	79	3	1,917	324	43
Hammonton	0.29	12.86	-4.81	96	59	79	3	1,858	270	32
Pomona	0.00	14.89	-1.04	97	58	79	4	1,819	344	26
Seabrook	0.06	15.18	-0.98	94	63	80	4	1,908	287	34
South Harrison	0.09	14.05	-3.87	94	63	81	NA	1,896	NA	NA

* Departure from normal.

¹ Growing degree days since March 1, 2008, total and departure from normal or long term average.

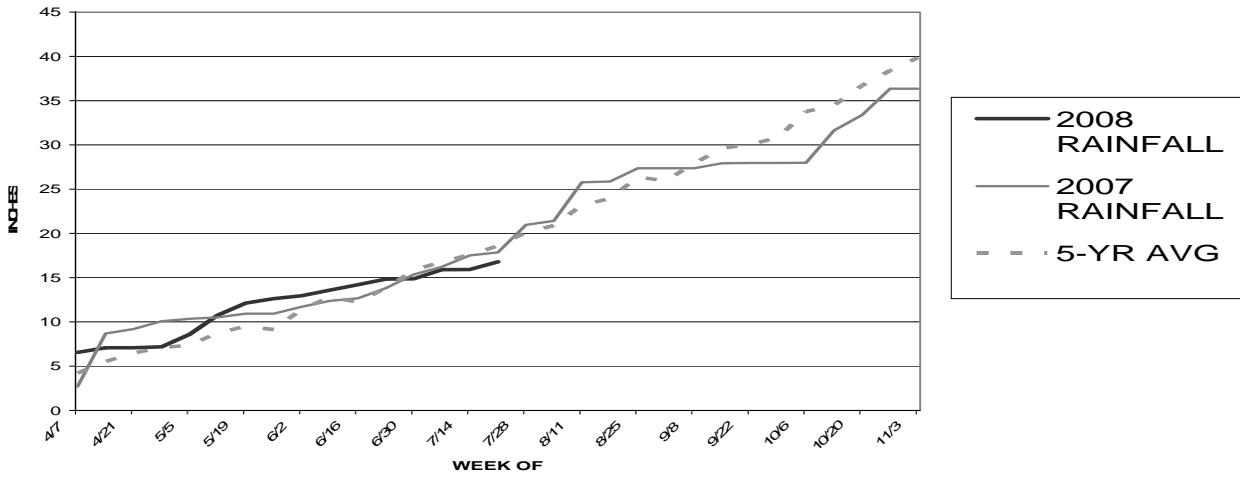
² Estimated soil moisture as % of field capacity based on climate data.

³ Data not available.

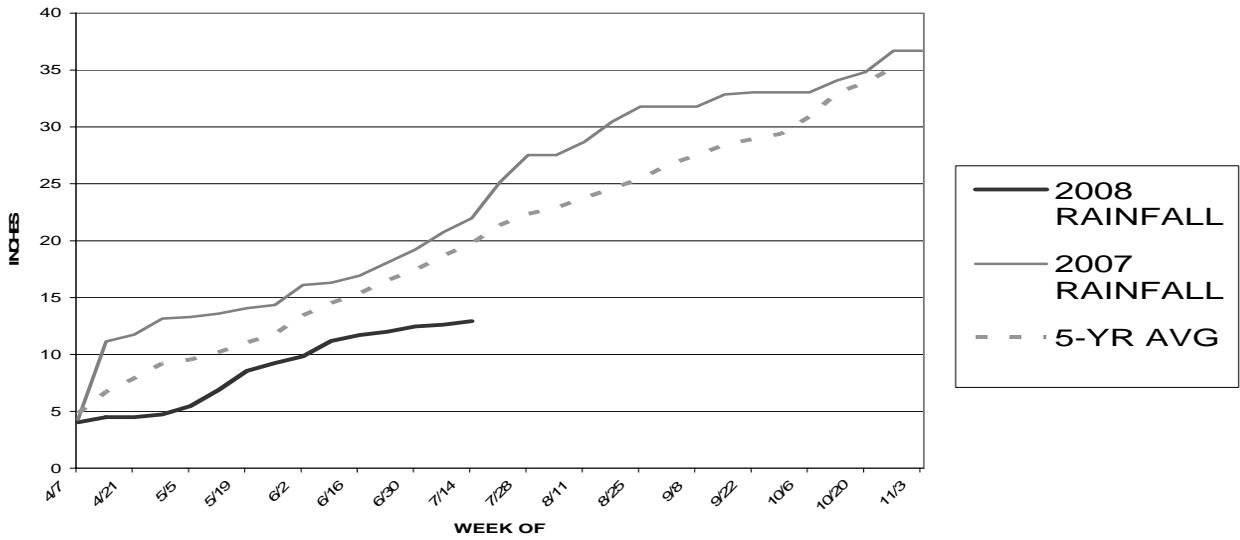
JERSEY FRESH AVAILABILITY FOR JULY 21, 2008

ARUGULA & CILANTRO	A light volume and fair quality of products with hot temperatures.
BABY SPINACH & BABY ARUGULA	Harvesting in good quality and quantity. Not as affected by the heat.
BASIL	Harvesting good quality product in good volume.
BEETS	Harvesting good quality in good quantity.
BLUEBERRIES	Excellent quality & size. An outstanding crop this year. Bluecrop harvesting in fair to declining volume with the late variety Elliott harvesting next week and available for several weeks.
CABBAGE	Harvesting good quality product in good volume.
CANTALOUPE & MELONS	Harvesting in good volume and very good quality. Should have product thru Labor Day.
COLLARDS	Harvesting good quality in good volume.
CUCUMBERS/PICKLES	Harvesting a good quantity of very good quality product.
DANDELION	Good quality Spring planted San Pasquale variety available.
DILL	Harvesting very good quality in good volume.
EGGPLANT & PEPPERS	Harvesting good quality in fair to good volume.
KALE	Very good quantity and quality of product available.
LEEK & GR. ONIONS	A good volume of good quality product is available.
MINT	Good quality harvesting in good quantity. Likes the heat.
NECTARINES	Early Easternglo, Flavortop, and Summer Beaut varieties are being harvested in fair volume with volume building over several weeks. A good steady volume of the more widely planted Sunglo variety will be starting late next week. Expect a good steady supply from early Aug. through the early part of Sept.
PARSLEY	Very good quality Spring planted curly and plain product available in good quantities.
PEACHES	A volume of Southern peaches on the market is depressing prices. There is also a slight supply gap between the early Sentry variety and the Redhaven "freestone" varieties with good volume expected within the week. Color and brix have been very good while rain would help with sizing. White peaches starting to be picked in volume by the middle of next week with the White Lady variety.
SQUASH	Harvesting good quantities of very good quality Yellow & Zucchini.
SWEET CORN	Harvesting good quality and fair to good quantity. Peak of the season.
SWISS CHARD	A light to decreasing volume of good quality product available.
TOMATOES	Harvesting very good quality in good volume and high prices.
TURNIPS	Harvesting good quality and light quantity with this heat.
WHITE POTATOES	Harvesting mainly round white varieties, with some Yukon Gold and Redskin varieties as well. Source your N.J. white potatoes in their distinctive "Jersey Fresh" bags.

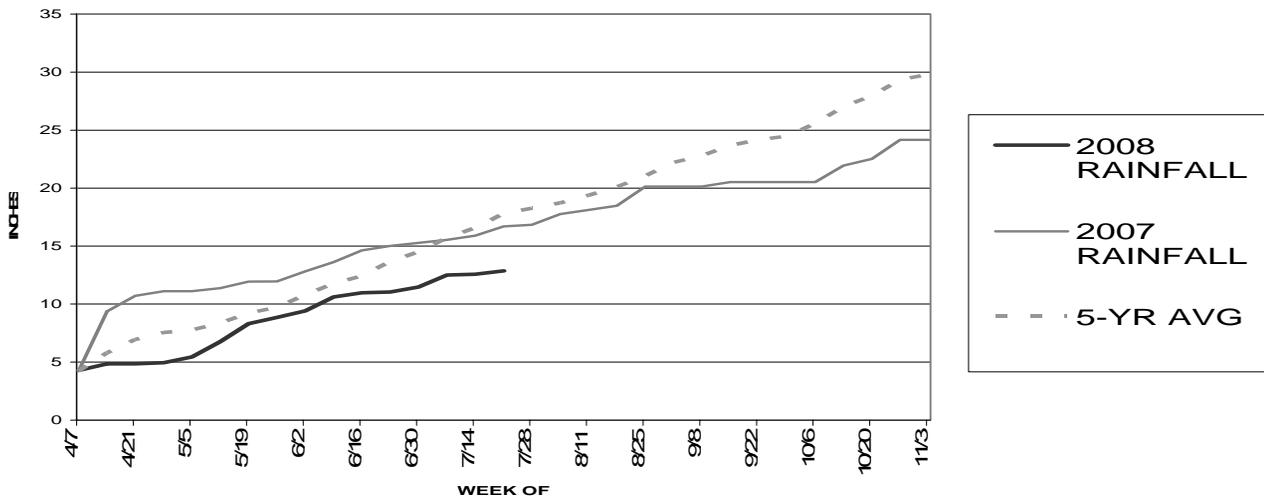
2008 TOTAL RAINFALL (NEWTON)



2008 TOTAL RAINFALL (FREEHOLD)



2008 TOTAL RAINFALL (HAMMONTON)



Source: http://www.envsci.rutgers.edu/fcst/NJ_AG.htm