



**Agricultural Weather Advisory For New Jersey  
And Southeastern Pennsylvania  
Issued by Rutgers University  
New Brunswick, NJ  
8 am EDT Monday, July 20, 2009**

Rainfall amounts none through early tonight, tenth of an inch late tonight, quarter to half an inch with locally higher amounts Tuesday. Winds for spraying northeast then southeast 5 mph today, east 5 to 10 mph tonight, east 10 to 15 mph Tuesday.

Relative humidity in percent 35 to 45 today, near 100 tonight, 50 to 60 Tuesday. Dew points upper 50s today, low 60s tonight, mid 60s Tuesday. Drying conditions good today, fair at best Tuesday. Little dew tonight but wetting in showers is likely tonight and Tuesday night. Percent of possible sunshine 50 today, 10 Tuesday.

There is a near zero percent probability of precipitation during the 12 hour period beginning at 8 am and ending at 8 pm. Rainfall could adversely affect the performance of pesticides that require a rain-free period after application.

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

Hay cutting will be good today but then the remainder of the week will see a threat of scattered showers each day.

The latest 8 to 14 day outlook for the period July 27, 2009 to August 2, 2009 is calling for temperatures to average near normal and precipitation to average near normal.

**Climate summary for the week ending 8am 7/20/09**

Temperatures averaged much below normal, averaging 69 degrees north, 72 degrees central, and 74 degrees south. Extremes were 91 degrees at Canoe Brook on July 17, 2009, and 49 degrees at Charlotteburg on July 16, 2009.

Weekly rainfall averaged 0.44 inches north, 0.07 inches central, and 0.30 inches south. The heaviest 24 hour total reported was 0.75 inches at Glassboro on July 17, 2009 to July 18, 2009.

Estimated soil moisture, in percent of field capacity, this past week averaged 74 percent north, 68 percent central, and 59 percent south.

Four inch soil temperatures averaged 68 degrees north, 70 degrees central, and 72 degrees south.

**Hay Harvesting Continues**

Days suitable for field work, for the week ending Sunday, July 19, 2009, were 6.5. Topsoil moisture was rated as 10% short, 85% adequate, and 5% surplus. Subsoil moisture was rated as 5% short, 90% adequate, and 5% surplus. There were measurable amounts of rainfall for the week in most localities. Temperatures were below normal across the Garden State. Activities during the week were planting fall vegetables, spraying crops, and irrigating fields. Field corn tasseled and began to grow ears, while soybeans started to bloom. Producers finished first-cuttings and continued second-cuttings of hay. Vomitoxin was reported in wheat fields. Summer vegetable harvesting progressed. Apples and peaches were sizing well and conditions rated good to excellent. Blueberry harvest continued with good to excellent quality.

**Weather Summary for the Week Ending Monday, July 20, 2009**

Weather Stations	Rainfall			Temperatures				Growing Degree Days <sup>1</sup>		Soil Moisture <sup>2</sup>
	Last Week	Since March 1		Last Week				Total	Dept.*	
		Total	Dept.*	Max.	Min.	Avg.	Dept.*			
	Inches	Inches	Inches	Degrees	Degrees	Degrees	Degrees	Base 50°F	Base 50°F	Percent
<b>North</b>										
Belvidere Bridge	0.58	18.01	-0.03	86	51	68	-5	1,284	1	76
Canoe Brook	0.38	N/A	N/A	91	53	71	-3	N/A	N/A	N/A
Charlotteburg	0.54	15.84	-3.47	86	49	68	-3	1,192	149	65
Flemington	0.35	20.08	1.62	88	51	69	-5	1,413	85	81
Newton	0.36	17.15	-0.47	84	50	68	-4	1,251	105	66
<b>Central</b>										
Freehold	0.01	18.73	0.77	90	54	72	-3	1,481	49	62
Long Branch	0.03	20.21	2.33	84	56	71	-4	1,316	-39	48
New Brunswick	0.10	19.22	1.42	90	53	73	-3	1,499	-14	80
Toms River	0.07	19.42	1.17	89	54	72	-2	1,399	35	46
Trenton	0.14	18.03	1.11	89	56	73	-3	1,596	21	48
<b>South</b>										
Cape May C.H.	0.20	17.45	1.59	87	58	73	-3	1,522	67	21
Downstown	0.42	15.39	-1.19	90	54	73	-3	1,585	-3	69
Glassboro	0.98	21.14	3.52	89	59	74	-2	1,688	121	76
Hammonton	0.20	15.93	-1.59	90	55	73	-3	1,700	138	53
Pomona	0.01	20.06	4.26	86	57	74	-1	1,641	191	54
Seabrook	0.00	15.73	-0.29	90	56	75	-1	1,619	24	27
South Harrison	0.74	N/A	N/A	88	58	74	N/A	N/A	N/A	N/A

\*Departure from normal.

<sup>1</sup> Growing degree days since March 1, 2009, total and departure from normal or long term average.

<sup>2</sup> Estimated soil moisture as % of field capacity based on climate data.

<sup>3</sup> Data not available for all historic comparisons.

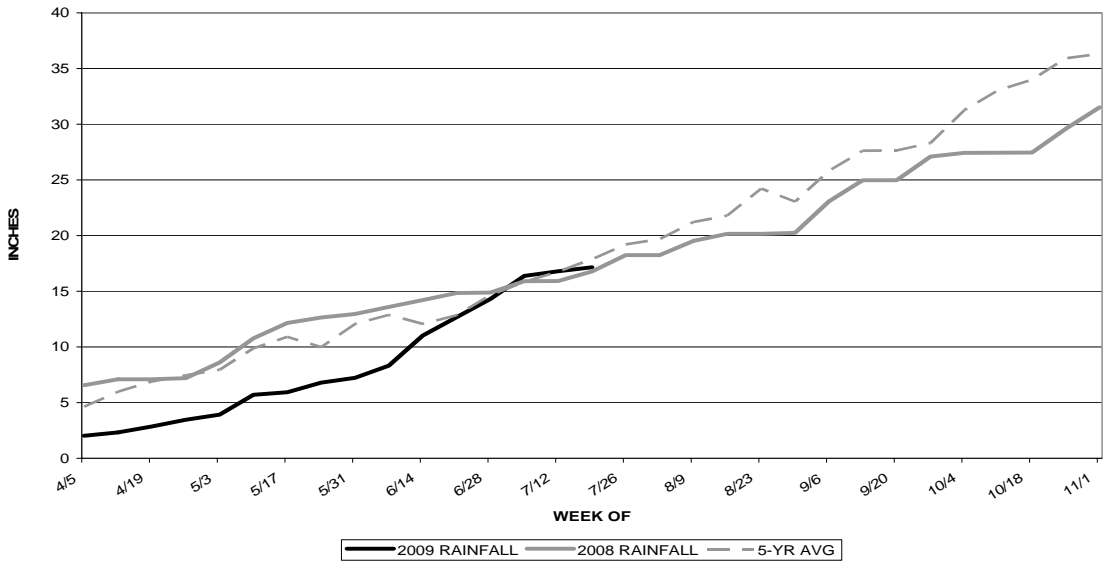
## JERSEY FRESH AVAILABILITY FOR JULY 20, 2009

<b>ARUGULA &amp; CILANTRO</b>	A light to decreasing and inconsistent volume of fair to good quality product due to disrupted planting schedules and warming temperatures.
<b>BABY SPINACH &amp; ARUGULA</b>	Growers continue to have problems w/ weather interrupted schedules. Light to decreasing quantity of arugula with baby spinach finishing up.
<b>BASIL</b>	Likes warmer weather. Harvesting good quality & quantity.
<b>BEETS</b>	Harvesting good quality and quantity.
<b>BLUEBERRIES</b>	The crop is harvesting in very good quality and fair to decreasing volume with Bluecrop berries. The late variety Elliott should start harvesting late next week and will be available in light volume for several weeks. Excellent sized berries due to plenty of rain.
<b>CABBAGE</b>	Harvesting a good volume of excellent quality product that's benefited greatly from all of our recent wet weather.
<b>COLLARDS</b>	Harvesting good quality and quantity.
<b>CUCUMBERS</b>	Harvesting good quantities of very good field grown product.
<b>DANDELIONS</b>	A fair to good quantity of very good quality Spring planted product.
<b>DILL</b>	Harvesting a very light volume in fair to good quality.
<b>EGGPLANT &amp; PEPPERS</b>	Harvesting good quality eggplant in fair to increasing supply, with peppers a few days behind. Volume increasing quickly with the warming temperatures.
<b>KALE</b>	A fair to good quantity of good quality product.
<b>LEEKs</b>	A fair volume of good quality product is available.
<b>MINT</b>	Good quality harvesting in good quantity. Likes warmer temperatures.
<b>NECTARINES</b>	Excellent quality early Easternglo nectarines finishing up while the more widely planted Sunglo variety is beginning in light to increasing supply. A good supply expected by the end of the month, with a steady supply through the early part of September.
<b>PARSLEY</b>	Light quantities of fair to good quality curly and plain.
<b>PEACHES</b>	Early yellow "cling" peaches finishing up while the widely planted John Boy "clingless" varieties starting in fair to good volume. Good volume expected by the end of July through early September. White peaches starting next week, with volume beginning with the White Lady variety in early August, through mid-September. All peaches have excellent size.
<b>RADISHES</b>	Finishing up. Doesn't like the increasing Summer temperatures.
<b>SPINACH</b>	Finishing up with the heat. Will be back in the Fall.
<b>SQUASH</b>	Harvesting good quantities of very good quality product.
<b>SWEET CORN</b>	Harvesting good quality in good volume. Peak of season should be the end of the month.
<b>SWISS CHARD</b>	Harvesting fair to good quality in light to decreasing volume.
<b>TOMATOES</b>	Harvesting in fair to good quality and quantity as our sunny and dry weather has helped with ripening and field conditions.
<b>TURNIPS</b>	Harvesting good quality in v. light to decreasing volume with increasing heat.

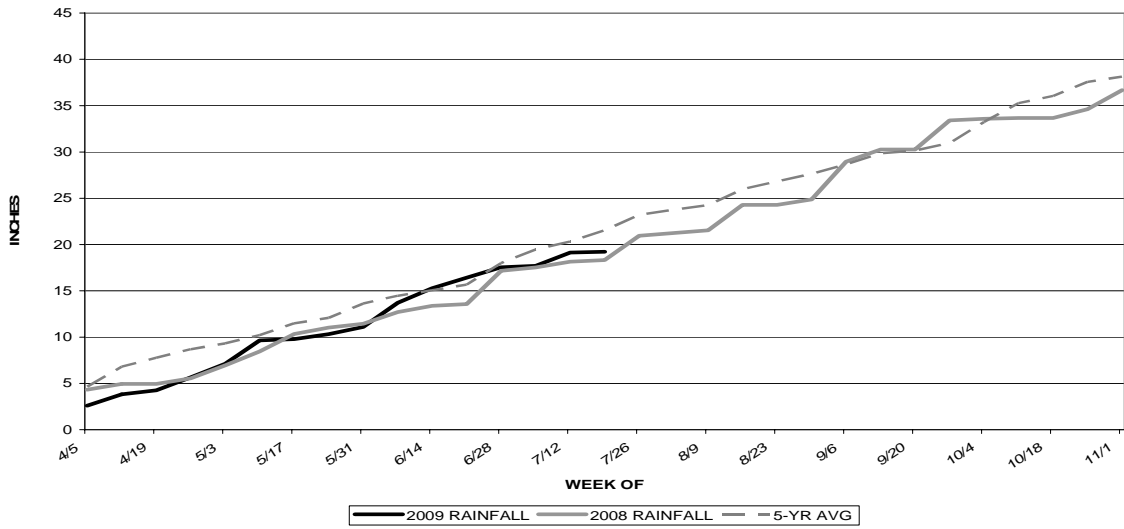
## JERSEY FRESH FORECAST

<b>WHITE POTATOES</b>	Next week, growers will start harvesting mainly round white varieties, with some Yukon Gold, Redskin varieties, and a bit of Russets as well. Source your N.J. white potatoes in their distinctive "Jersey Fresh" bags.
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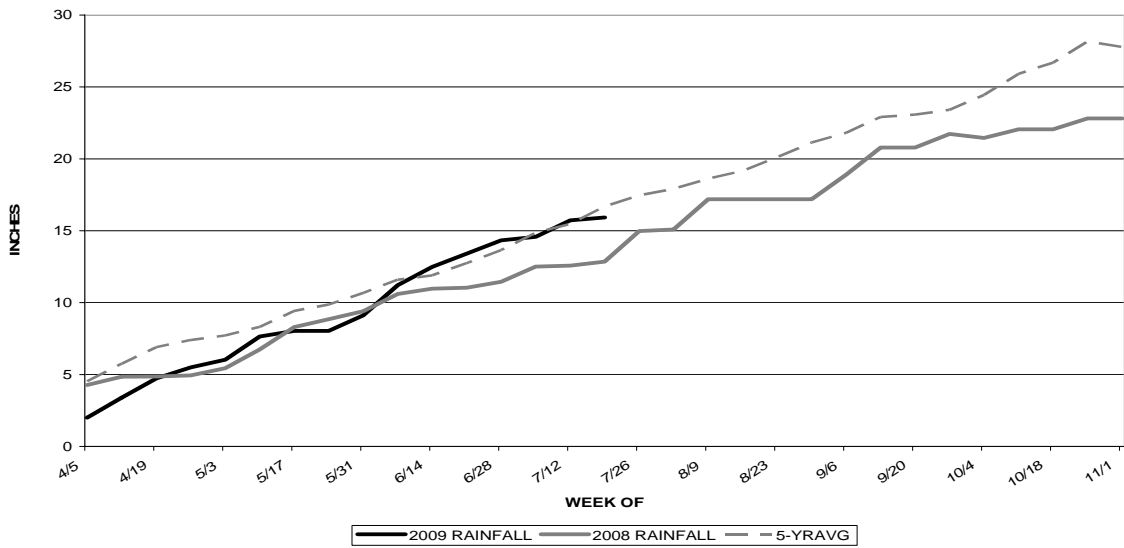
2009 TOTAL RAINFALL (NEWTON)



2009 TOTAL RAINFALL (NEW BRUNSWICK)



2009 TOTAL RAINFALL (HAMMONTON)



Source: [http://www.envsci.rutgers.edu/fcst/NJ\\_AG.htm](http://www.envsci.rutgers.edu/fcst/NJ_AG.htm)