



**Agricultural Weather Advisory For New Jersey  
And Southeastern Pennsylvania  
Issued By Rutgers University  
New Brunswick, NJ  
8 am EDT Monday, June 1, 2009**

Rainfall amounts, none through tonight, tenth of an inch with locally higher amounts possible Tuesday. Winds for spraying around 10 mph this afternoon, 5 mph tonight, and 10 mph Tuesday.

Relative humidity in percent 30 to 40 today, 90 to 100 tonight, 50 to 60 Tuesday. Dew points low to mid 30s today then climbing to near 60 by later Tuesday. Drying conditions very good today, fair Tuesday but with local poor areas. Light dew tonight, little dew Tuesday night but wetting in showers is possible. Percent of possible sunshine 90 today, 20 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.

Overnight low temperatures in the representative cranberry bogs could drop between 29 to 33 if skies remain clear and winds light but should remain above freezing Tuesday night.

Four inch soil temperatures are now averaging in the mid 60s north, upper 60s central and near 70 south. Soil temperatures will hold steady over the next couple of days.

Hay cutting will remain good today with an increasing threat of scattered showers on Tuesday and for the next several days.

The latest 8 to 14 day outlook for the period June 8, 2009 to June 14, 2009 is calling for temperatures to average below normal and precipitation to average below normal.

**Climate summary for the week ending 8am 6/1/09**

Temperatures averaged below normal, averaging 61 degrees north, 63 degrees central, and 66 degrees south. Extremes were 85 degrees at several locations on May 26, 2009, and 40 degrees at Charlotteburg on June 1, 2009.

Weekly rainfall averaged 0.49 inches north, 0.85 inches central, and 0.66 inches south. The heaviest 24 hour total reported was 0.97 inches at New Brunswick on May 28, 2009 to May 29, 2009.

Estimated soil moisture, in percent of field capacity, this past week averaged 90 percent north, 80 percent central and 66 percent south.

Four inch soil temperatures averaged 62 degrees north, 64 degrees central, and 66 degrees south.

**Farmers Continue Planting Field Crops**

Days suitable for field work, for the week ending Sunday, May 31, 2009, were 6.0. Topsoil moisture was rated as 15% short and 85% adequate. Subsoil moisture was rated as 15% short, 80% adequate, and 5% surplus. There were measurable amounts of rainfall for the week in all localities. Temperatures were below normal across the Garden State. Farmers continued planting field crops when weather permitted. Summer vegetable planting continued for tomatoes, snap beans, and peppers. Sweet corn emergence and growth made good progress. Harvest of spring vegetables progressed including asparagus, escarole, and spinach with peas underway. Producers continued mowing grass and baling hay. Strawberries quality and crop condition rated excellent as harvesting continued while blueberries began to size.

**Weather Summary for the Week Ending Monday, June 1, 2009**

Weather Stations	Rainfall			Temperatures Last Week				Growing Degree Days <sup>1</sup>		Soil Moisture <sup>2</sup>
	Last Week	Since March 1		Max.	Min.	Avg.	Dept.*	Total	Dept.*	
	Inches	Total	Dept.*							Inches
<b>North</b>										
Belvidere Bridge	0.64	9.47	-2.04	82	41	60	-4	439	91	91
Canoe Brook <sup>3</sup>	0.53	6.47	-6.24	85	43	63	-1	394	73	76
Charlotteburg	0.38	8.20	-4.33	79	40	59	-2	395	173	82
Flemington	0.48	10.87	-1.15	83	41	61	-3	520	182	89
Newton	0.42	7.22	-3.93	79	47	61	-1	446	181	93
<b>Central</b>										
Freehold	0.59	10.90	-1.10	80	45	62	-4	539	136	77
Long Branch	0.81	12.07	-0.29	80	47	61	-4	431	76	80
New Brunswick	1.05	11.08	-0.74	83	43	62	-4	529	94	92
Toms River	0.73	10.84	-1.11	82	51	64	0	472	98	69
Trenton	1.08	9.74	-1.11	82	50	65	-2	605	127	88
<b>South</b>										
Cape May C.H.	0.72	10.86	0.35	84	53	65	0	565	140	72
Downstown	0.15	8.88	-1.90	83	51	67	0	602	110	50
Glassboro	0.63	12.90	1.41	85	51	66	-1	608	135	67
Hammonton	1.08	9.12	-2.07	83	52	67	0	658	193	79
Pomona	0.46	11.47	1.07	81	53	66	1	636	236	59
Seabrook	0.93	10.13	0.20	85	46	64	-3	597	100	75
South Harrison <sup>3</sup>	0.15	NA	NA	84	50	68	NA	NA	NA	NA

\*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.

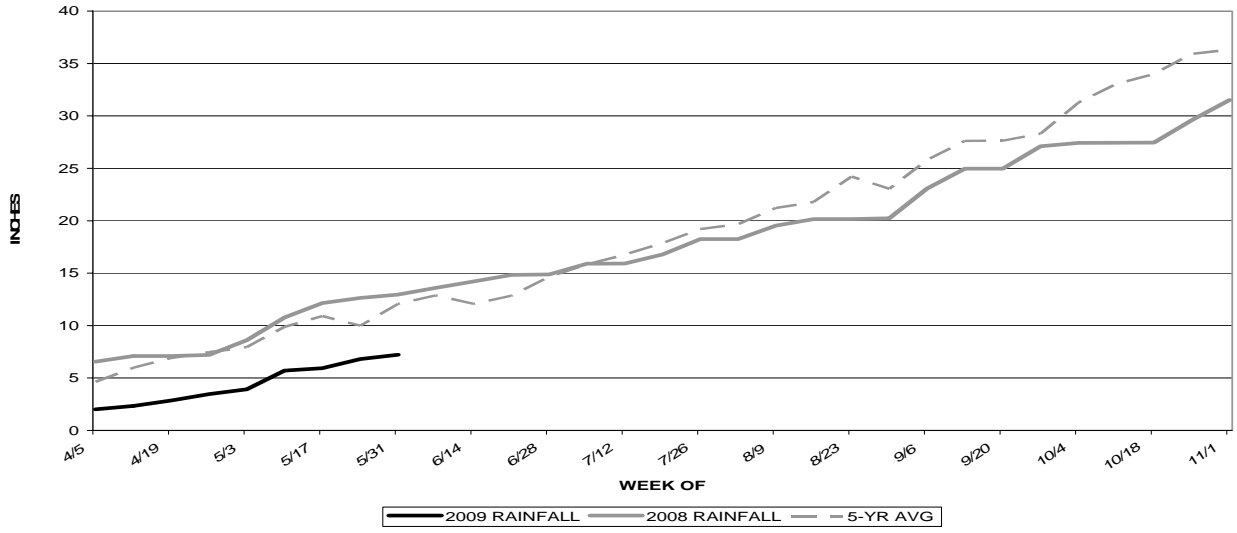
**JERSEY FRESH AVAILABILITY FOR JUNE 1, 2009**

<b>ARUGULA</b>	Harvesting light quantity in fair quality, due to weather issues 3 weeks ago.
<b>ASPARAGUS</b>	Past the peak of the season, harvesting a fair to declining volume of very good quality product. As temperatures rise over the next few weeks, product will start to “bolt”, expect color and volume to fade.
<b>BABY SPINACH &amp; ARUGULA</b>	Growers have had weather interrupted planting schedules, so expect supply gaps. Harvesting a light to fair quantity of arugula, fair to good quantity of spinach, with a good quality to both products.
<b>BEETS</b>	Harvesting good quality in fair to good volume.
<b>CABBAGE</b>	Harvest should begin this week with volume building quickly.
<b>CILANTRO</b>	A fair volume of fair to good quality Spring planted product.
<b>COLLARDS</b>	Harvesting fair to good quality in good quantity.
<b>CUCUMBERS</b>	Harvesting light to increasing quantities of tunnel grown cukes. Expect volume to vary over the next few weeks during the transition from covered to field grown product. Field grown cukes & pickles by next week.
<b>DANDELIONS</b>	A fair quantity of very good quality Spring planted product.
<b>DILL</b>	Harvesting light to slowly increasing volume, and fair quality, due to weather related issues of three weeks ago.
<b>ESCAROLE &amp; ENDIVE</b>	Harvest of fair to good quality product started under row cover in light to increasing volume though volume will vary over the next few weeks during the transition from covered to field grown product.
<b>KALE</b>	A fair to increasing quantity of good quality transplanted product.
<b>LEEEKS</b>	A fair volume of good quality over-wintered product is available.
<b>MINT</b>	Good quality harvesting in good quantity.
<b>LETTUCES</b>	Harvesting fair to good quality Boston, Romaine, Red & Green Leaf in fair to good quantities. Weather from three weeks ago damaged some products.
<b>PARSLEY</b>	Fair to increasing quantities of fair to good quality Spring planted curly and plain products are available.
<b>RADISHES</b>	Harvesting good quality product in good volume.
<b>SPINACH</b>	A fair to good volume of fair to good quality Spring product.
<b>STRAWBERRIES</b>	The harvest of very good quality berries in good to declining volume, with strong “local” marketplace demand boosting prices. The bulk of the crop will be harvested this week and next, with declining volumes each week.
<b>SQUASH</b>	Harvesting light to increasing quantities of tunnel grown Yellow/Zucchini. Expect volume to vary over the next few weeks during the transition from covered to field grown product by next week.
<b>SWISS CHARD</b>	Harvesting fair to good quality in light to increasing volume due to weather issues several weeks ago.
<b>TURNIPS</b>	Just started harvesting good quality in light to increasing volume.

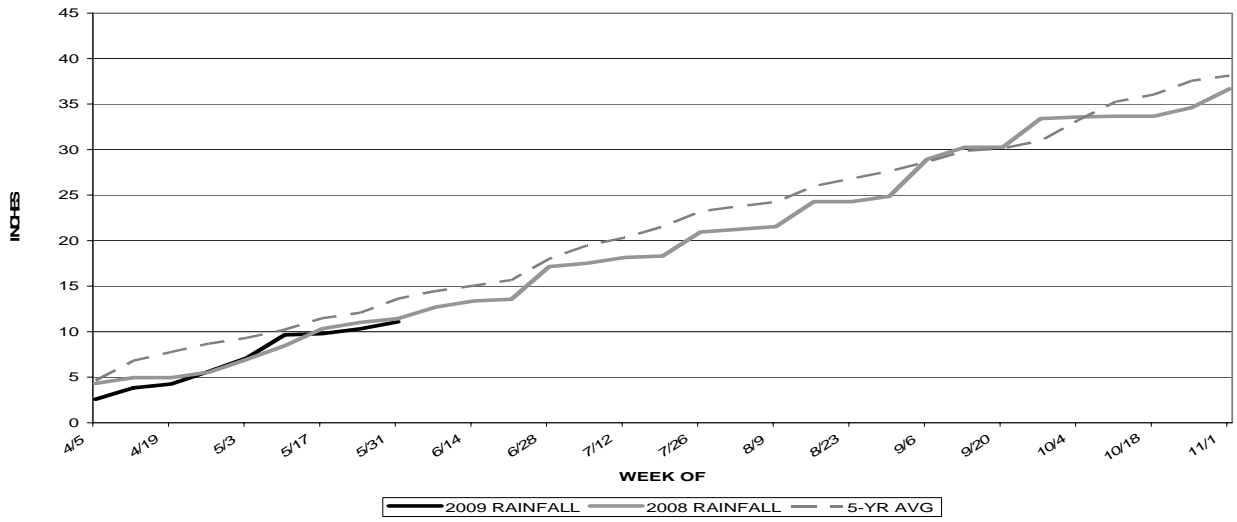
**JERSEY FRESH FORECAST**

<b>BASIL</b>	Likes warmer weather and has been growing slowly due to the cool weather we’ve been receiving. Should be ready by mid-June.
<b>BLUEBERRIES</b>	Minor quantities of early varieties like Weymouth starting in mid-June. Much more widely planted Duke variety starting 3-4 days later with volume available a week after that.

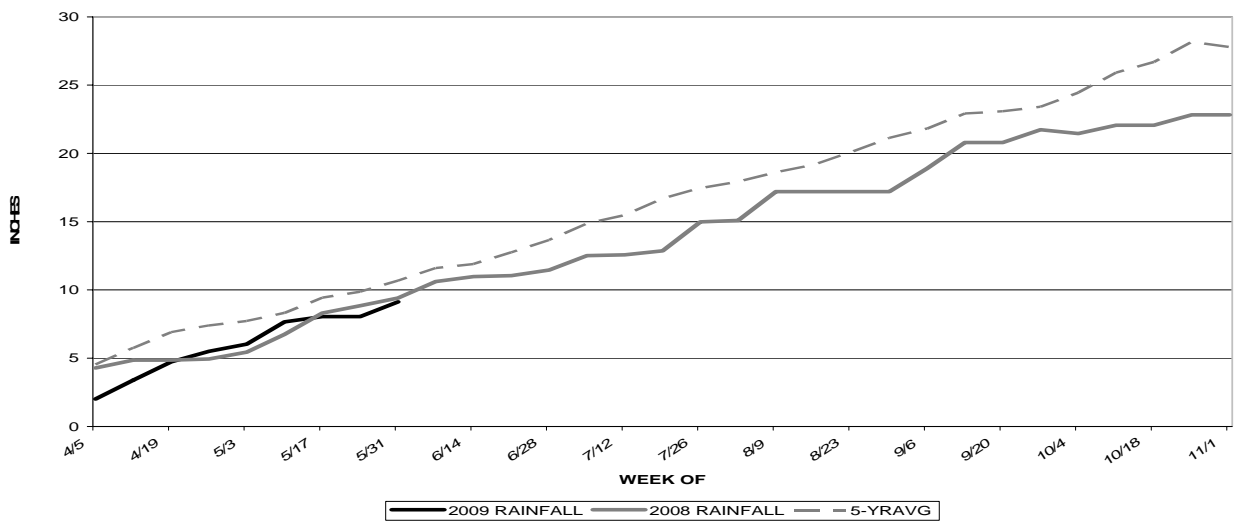
2009 TOTAL RAINFALL (NEWTON)



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)