



**Agricultural Weather Advisory For New Jersey  
And Southeastern Pennsylvania  
Issued By Rutgers University  
New Brunswick, NJ  
8 am EDT Monday, May 11, 2009**

Rainfall amounts none through Tuesday. Winds for spraying west 5 to 10 mph today, west around 5 mph tonight, northwest around 10 mph Tuesday.

Relative humidity in percent 35 to 45 today, 85 to 95 tonight, 35 to 45 Tuesday. Dew points upper 30s today, low 40s tonight, upper 30s Tuesday. Drying conditions good today, good Tuesday. Frost freeze or dew, light dew tonight and Tuesday night. Percent of possible sunshine 70 today, 80 Tuesday.

There is a 10 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.

Overnight low temperatures in the representative cranberry bogs could fall to 25 to 29 tonight and again Tuesday night.

Four inch soil temperatures are now averaging in the low 50s north, mid 50s central, and upper 50s south. Soil temperatures will hold steady over the next few days.

Hay cutting should see drying conditions through Wednesday with the next threat of showers on Thursday.

The latest 8 to 14 day outlook for the period May 18, 2009 to May 24, 2009 is calling for temperatures to average below normal and precipitation to average below normal.

**Climate summary for the week ending 8am 5/11/09**

Temperatures averaged slightly above normal, averaging 59 degrees north, 60 degrees central, and 62 degrees south. Extremes were 86 degrees at Pomona on May 10, 2009, and 42 degrees at Belvidere and Flemington on May 11, 2009.

Weekly rainfall averaged 2.19 inches north, 2.07 inches central, and 1.86 inches south. The heaviest 24 hour total reported was 1.81 inches at Flemington on May 6, 2009 to May 7, 2009.

Estimated soil moisture, in percent of field capacity, this past week averaged 98 percent north, 96 percent central, and 95 percent south.

Four inch soil temperatures averaged 58 degrees north, 60 degrees central, and 60 degrees south.

**Rain Delays Field Preparation**

Days suitable for field work, for the week ending Sunday, May 10, 2009, were 2.5. Topsoil moisture was rated as 70% adequate, and 30% surplus. Subsoil moisture was rated as 85% adequate, and 15% surplus. There were measurable amounts of rainfall for the week in all localities. Temperatures were below normal the beginning of the week, rising to above normal by mid-week, across the Garden State. Rain delayed most field preparation. Planting of squash, cucumbers and sweet corn progressed. Harvest continued for Romaine, Boston, and red-leaf lettuce varieties. Some grapevines were in bloom, and strawberry bushes under plastic were blooming. Cranberry bogs had water drained, and some spraying was done. Peaches were starting to size, and apple and peach trees were sprayed for disease control.

**Weather Summary for the Week Ending Monday, May 11, 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.*	
		Total	Dept.*							
	Inches	Inches	Inches	Degrees	Degrees	Degrees	Degrees	Base 50°F	Base 50°F	Percent
<b>North</b>										
Belvidere Bridge	2.14	6.48	-2.59	79	42	58	0	224	116	94
Canoe Brook	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Charlotteburg	1.84	7.32	-2.52	78	47	59	4	221	176	98
Flemington	3.01	8.82	-0.71	81	42	59	1	272	172	95
Newton	1.79	5.70	-3.06	77	48	59	3	228	164	98
<b>Central</b>										
Freehold	1.85	9.89	0.43	82	48	60	1	274	138	92
Long Branch	2.10	10.32	0.54	84	49	59	1	213	101	87
New Brunswick	2.52	9.64	0.45	82	47	60	0	262	102	95
Toms River	1.40	10.05	0.54	84	49	61	1	288	167	80
Trenton	2.46	8.03	-0.54	82	50	61	0	315	132	83
<b>South</b>										
Cape May C.H.	2.12	9.77	1.46	86	48	61	1	306	147	87
Downstown	1.58	8.39	-0.17	85	50	62	1	307	114	83
Glassboro	1.89	11.07	2.02	83	51	61	0	311	128	85
Hammonton	1.62	7.65	-1.16	84	51	63	3	352	176	80
Pomona	2.30	10.80	2.48	86	51	62	3	350	211	80
Seabrook	1.62	8.82	1.09	83	48	61	0	323	127	85
South Harrison	N/A	N/A	N/A	N/A	N/A	N/A	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.

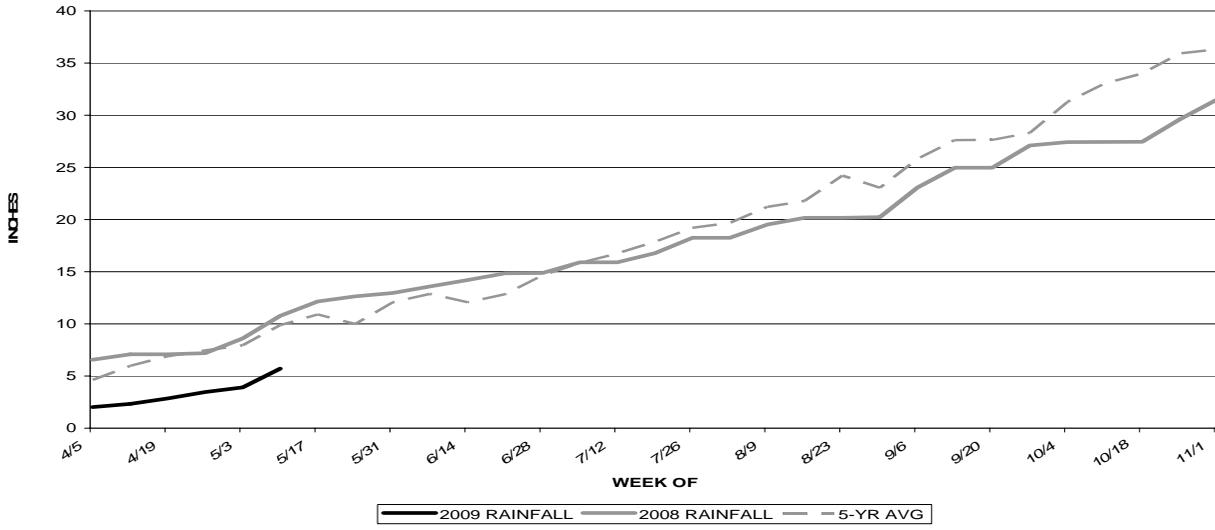
**JERSEY FRESH AVAILABILITY FOR MAY 11, 2009**

<b>ARUGULA</b>	Harvesting very good quality in fair to good quantity.
<b>ASPARAGUS</b>	Harvesting a good volume of very good quality product.
<b>BABY SPINACH &amp; ARUGULA</b>	Harvesting fair to good quantities of excellent quality products.
<b>BEETS</b>	Harvesting very good quality in fair quantity.
<b>CILANTRO</b>	A fair to good volume of good quality over-wintered product is still harvesting as a fair quantity of very good quality Spring planted is becoming available.
<b>COLLARDS</b>	Harvesting very good quality in good quantity.
<b>DANDELIONS</b>	A fair quantity of very good quality over-wintered is available as a light volume of Spring planted is becoming available.
<b>DILL</b>	Harvesting excellent quality product in good volume.
<b>KALE</b>	A good quantity & quality of over-wintered product harvesting while transplanted product is just starting in light to fair volume.
<b>LEEKS</b>	A fair volume of good quality over-wintered product is available.
<b>MINT</b>	Good quality harvesting in fair to good quantity.
<b>LETTUCES</b>	Harvesting excellent quality Boston & Romaine in fair quantities. Red & Green Leaf starting in light quantity.
<b>PARSLEY</b>	A good quantity and quality of over-wintered curly and plain product is available as Spring planted just starting.
<b>RADISHES</b>	Harvesting good quality product in fair to good volume.
<b>SPINACH</b>	A good volume of very good quality over-wintered is available as excellent Spring planted is becoming available in light volume.
<b>STRAWBERRIES</b>	The harvest of very good quality berries has begun in light quantity, with the bulk of the crop harvested towards the end of the month, with lower volumes to continue through early June.
<b>SWISS CHARD</b>	Harvesting very good quality product in good volume.

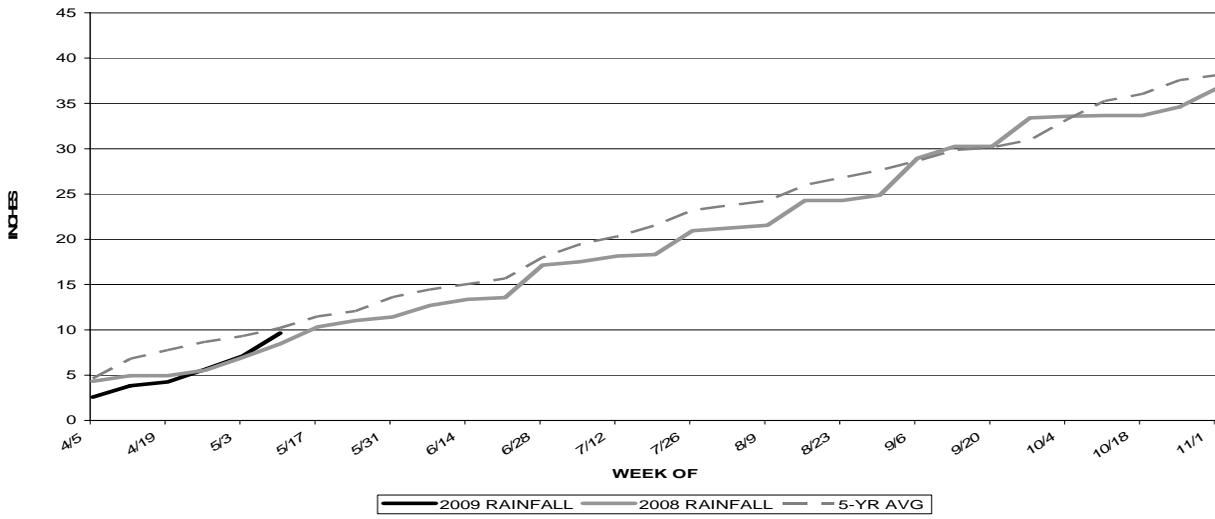
**JERSEY FRESH FORECAST**

<b>BASIL</b>	Likes warmer weather. 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.
<b>CABBAGE</b>	Harvest should begin towards the end of next week.
<b>CUCUMBERS</b>	Harvesting light quantities of tunnel grown by late May or early June. Field grown will be available two weeks later, in mid-June. Pickles should be ready by the first week of June.
<b>ESCAROLE &amp; ENDIVE</b>	Harvest should begin towards the end of next week.
<b>SQUASH</b>	Should begin harvesting light quantities of Yellow/Zucchini started in tunnels by the end of May. Field grown by the 1 <sup>st</sup> or 2 <sup>nd</sup> week of June.
<b>TURNIPS</b>	Harvest should begin next week.

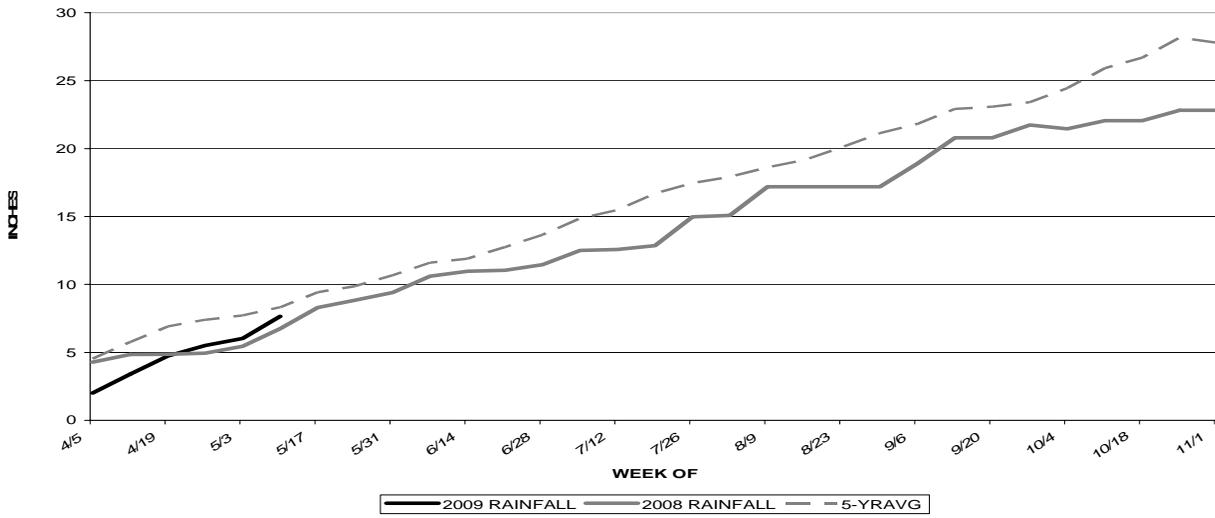
**2009 TOTAL RAINFALL (NEWTON)**



**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)