



**Agricultural Weather Advisory For New Jersey**  
**And Southeastern Pennsylvania**  
**Issued By Rutgers University**  
**New Brunswick, NJ**  
**8 am EDT Monday June 6, 2011**

Rainfall amounts only a slight chance of isolated tenth of an inch totals today, otherwise none through Tuesday. Winds for spraying north 5 to 10 mph today, southwest 5 to 10 mph tonight and Tuesday.

Relative humidity in percent 40 to 50 today, 90 to 100 tonight, 40 to 50 Tuesday. Dew points 55 to 60 today and tonight, low 60s Tuesday. Drying conditions are good today and again Tuesday. Light dew tonight and Tuesday night. Percent of possible sunshine 80 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.

Temperatures in the representative cranberry bogs will remain above freezing the remainder of this week. Temperature forecasts will resume when conditions warrant.

Hay cutting will be good for most of the week with only an isolated shower possible today and then little threat for the next few days.

Soil moisture levels continue to decrease and the need for supplemental irrigation is increasing, especially on the sandier soils of the south.

The latest 8 to 14 day outlook for the period June 14, 2011 to June 20, 2011 is calling for temperatures to average near normal and precipitation to average above normal.

**Climate summary for the week ending 8am June 6, 2011**

Temperatures averaged much above normal, averaging 69 degrees north, 70 degrees central, and 73 degrees south. Extremes were 96 degrees at Seabrook on June 2, 2011 and 43 degrees at Belvidere on June 5, 2011.

Weekly rainfall averaged 0.24 inches north, 0.17 inches central, and 0.00 inches south. The heaviest 24 hour total reported was 0.66 inches at Newton on May 30, 2011 to May 31, 2011.

Estimated soil moisture, in percent of field capacity, this past week averaged 76 percent north, 62 percent central and 41 percent south.

Four inch soil temperatures averaged 71 degrees north, 72 degrees central, and 73 degrees south.

**Hay Harvesting Continues**

Days suitable for field work, for the week ending Sunday, June 5, 2011, were 6.5. Topsoil moisture was rated as 30% short and 70% adequate. Subsoil moisture was rated as 15% short and 85% adequate. Pasture and range condition was rated as 10% fair, 45% good, and 45% excellent. There were minimal amounts of rainfall during the week in some localities. Temperatures were above normal across the Garden State.

Agricultural producers continued tilling fields, planting crops, spreading fertilizer, and spraying herbicides throughout the week. The emergence of field-corn and soybeans progressed, while the harvest of hay and small grains continued. The harvest of asparagus, escarole, lettuce, and spinach started winding down. Pumpkin plantings began. Crop conditions rated mostly good as strawberries past mid-harvest.

**Weather Summary for the Week Ending Monday, June 6, 2011**

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.*					Base 50° F	Base 50° F	Percent
<b>North</b>										
Belvidere Bridge	0.00	17.65	5.50	89	43	67	2	541	109	69
Canoe Brook <sup>3</sup>	0.00	19.32	5.98	93	52	72	7	810	415	65
Charlotteburg	0.29	27.30	14.07	89	50	67	4	587	304	62
Flemington	0.00	19.63	6.98	92	49	70	4	687	272	70
Newton	0.89	18.28	6.47	88	48	68	4	608	276	85
<b>Central</b>										
Freehold	0.26	13.22	0.65	92	48	70	3	726	241	67
Long Branch	0.10	14.70	1.82	85	52	69	3	585	153	47
New Brunswick	0.00	16.02	3.66	92	49	70	2	732	212	69
Toms River <sup>3</sup>	0.17	11.47	-1.05	92	46	70	6	577	133	38
Trenton	0.32	14.82	3.43	93	52	73	5	849	282	50
<b>South</b>										
Cape May C.H.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Downtown	0.00	12.33	1.03	94	46	71	3	835	254	36
Hammonton	0.00	11.64	-0.13	91	46	72	4	905	352	31
Pomona	0.00	11.95	1.09	91	50	72	5	829	348	32
Seabrook <sup>3</sup>	0.00	10.61	0.10	96	51	76	8	851	265	34
South Harrison <sup>3</sup>	0.00	11.54	-0.28	91	50	73	N/A	869	N/A	N/A

\* Departure from normal.

<sup>1</sup> Growing degree days since March 1, 2011, 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 historic comparisons.

## Jersey Fresh Availability & Forecast Report

We have seen unseasonably warm temperatures (ten degrees or more above normal) the last several weeks which have hastened the end of the spring season. Lettuces and the more delicate greens and herbs have seen far too much heat, far too soon, and are finishing up several weeks earlier than normal. Substantial rain two weeks ago, followed up by searing temperatures, hurt much of the commercial strawberry industry and hastened its season as well. This week will continue our hot and dry trend. We should see today's low 80's rise a couple of degrees each of the next three days until Thursday night when cloudy skies and a 30% chance of rain every day for the rest of the week cools things down more each day than the previous day. We may only reach upper 70's on Sunday. There is still a rather wide disparity in rain totals throughout the state, with the north central region the wettest and far south the driest. While wet conditions over the course of the spring slowed the progress of agricultural work, river discharges are above average, and ground water levels are decent and reservoirs are full. Irrigation efforts by our NJ farmers should not be hampered this season by a lack of water. Our farmers have the know-how and the ability to irrigate like no one else. We'd always rather have to put the water on than try and get it off! The season is on a normal schedule at this point though.

Please let me know how I can make this report of more use to you. Feel free to respond to [William.walker@ag.state.nj.us](mailto:William.walker@ag.state.nj.us) at any time if you have questions or need more information about Jersey Fresh availability.

*BILL WALKER – NJ DEPT. OF AGRICULTURE*

### AVAILABILITY FOR JUNE 6, 2011

<b>ARUGULA</b>	Harvesting a good quantity of good quality product.
<b>ASPARAGUS</b>	Finishing up. Harvesting a light to declining volume of very good quality product. As temperatures have risen, it has begun to "bolt", and its color is fading.
<b>BABY SPINACH &amp; ARUGULA</b>	Harvesting very good quality in good volume. Wet early Spring weather prevented early planting this year. Not as affected by the heat.
<b>BEETS</b>	Harvesting very good quality product in good quantity.
<b>BLUEBERRIES</b>	Our unseasonably warm weather over the last couple of weeks has hastened their maturation process. Minor quantities of early varieties like Weymouth starting over the next couple of days. The much more widely planted Duke variety will start over the weekend, with volume quickly becoming available early next week.
<b>CABBAGE</b>	Harvesting good quality product in fair to quickly increasing volume.
<b>CILANTRO</b>	A good volume of good quality product is harvesting.
<b>COLLARDS</b>	Harvesting very good quality product in fair to good quantity.
<b>CUCUMBERS</b>	Excellent quality pickles harvesting in fair to increasing volume with cukes starting.
<b>DANDELIONS</b>	Good quality Italian and San Pasquale varieties harvesting in fair to good volume.
<b>DILL</b>	Harvesting very good quality in good quantity.
<b>ESCAROLE &amp; ENDIVE</b>	Harvesting of very good quality products in good quantities.
<b>KALE</b>	Good quality product harvesting in fair to declining volume w/ the heat.
<b>LEEKs</b>	A good volume and quality of over-wintered product harvesting and will be available until Spring planted arrives late month.
<b>LETTUCES</b>	Unseasonable warmth over the last several weeks has curtailed the Spring season several weeks earlier than normal. Harvesting light to finishing volumes of Boston, & Red & Green Leaf. Romaine is a bit more heat tolerant and has another week of declining volume.
<b>MINT</b>	Very good quality harvesting in good volume.
<b>PARSLEY</b>	Harvesting a good volume of good quality over-wintered curly and plain product.
<b>RADISHES</b>	Harvesting a declining volume of good quality product w/ the heat.
<b>SPINACH</b>	A fair to declining volume of good quality product due to heat stress conditions precipitating an early end to the season.
<b>SQUASH</b>	Harvesting fair to quickly increasing quantities of excellent quality Yellow and Zucchini.
<b>STRAWBERRIES</b>	Harvesting a quickly decreasing quantity of good quality Chandler variety berries. Unseasonable warmth the last several weeks, on top of significant rain, has hastened the end of the commercial season. Northern areas are harvesting a quickly declining volume this week.
<b>SWISS CHARD</b>	Harvesting very good quality product in good volume.
<b>TURNIPS</b>	Harvest very good quality in only fair quantity w/ the heat.

### FORECAST

<b>BASIL</b>	Likes the heat. Should be starting next week.
--------------	---