



**Agricultural Weather Advisory For New Jersey  
And Southeastern Pennsylvania  
Issued by Rutgers University  
New Brunswick, NJ  
8 am EDT Monday, June 13, 2011**

Rainfall amounts none today through mid-day Tuesday, a tenth of an inch possible Tuesday afternoon. Winds for spraying north 5 to 10 mph today and tonight, northeast around 10 mph Tuesday.

Relative humidity in percent 40 to 50 today, 90 to 100 tonight, 40 to 50 Tuesday. Dew points 50 to 55 through Tuesday. Drying conditions good today and Tuesday but with some locally poor areas Tuesday afternoon. Light dew tonight, some dew as well as possible wetting in showers Tuesday night. Percent of possible sunshine 30 today, 30 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.

Hay cutting will see fairly good conditions for the next several days but there is about a 50 percent chance of some scattered showers Tuesday afternoon and Tuesday night.

Soil moisture levels have improved in most locations but additional moisture is needed in some locations.

The latest 8 to 14 day outlook for the period June 20, 2011 to June 26, 2011 is calling for temperatures and precipitation to average above normal.

**Climate summary for the week ending 8am June 13, 2011**

Temperatures averaged much above normal, averaging 72 degrees north, 74 degrees central, and 78 degrees south. Extremes were 102 degrees at Pomona on June 10, 2011 and 53 degrees at Charlotteburg on June 7, 2011.

Weekly rainfall averaged 1.02 inches north, 0.82 inches central, and 0.75 inches south. The heaviest 24 hour total reported was 1.19 inches at Freehold on June 9, 2011 to June 10, 2011.

Estimated soil moisture, in percent of field capacity, this past week averaged 77 percent north, 64 percent central, and 52 percent south.

Four inch soil temperatures averaged 69 degrees north, 72 degrees central, and 74 degrees south.

**Early-Season Blueberry Harvest Underway**

Days suitable for field work, for the week ending Sunday, June 12, 2011, were 6.5. Topsoil moisture was rated as 45% short and 55% adequate. Subsoil moisture was rated as 25% short and 75% adequate. Pasture and range condition was rated as 10% fair, 55% good, and 35% excellent. There were measurable amounts of rainfall during the week in most localities. Temperatures were above normal across the Garden State.

Warm, moist weather provided favorable conditions for fieldwork throughout the week. Farmers continued planting and re-planting field crops. Corn and soybean emergence were complete in northern and central areas. Crop conditions rated mostly good for hay as first-cuttings increased. Summer-vegetable plantings progressed for cucumbers, eggplant, peppers, and sweet corn. Blueberry growers began picking early-varieties, while strawberry harvest was winding down. Other activities included irrigating, spreading fertilizer, spraying pesticides, and washing farm equipment.

**Weather Summary for the Week Ending Monday, June 13, 2011**

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	1.11	18.76	5.68	95	54	72	5	695	147	78
Canoe Brook <sup>3</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Charlotteburg	1.52	28.82	14.61	92	53	70	5	729	349	95
Flemington	0.94	20.57	7.05	96	56	73	5	850	316	78
Newton	0.52	18.80	6.08	91	54	72	6	762	282	76
<b>Central</b>										
Freehold	1.55	14.77	1.39	98	58	74	5	894	282	90
Long Branch	1.02	15.72	2.11	97	61	74	6	751	197	74
New Brunswick	0.64	16.66	3.53	97	58	74	5	903	250	75
Toms River <sup>3</sup>	0.34	11.81	-1.51	100	59	75	8	751	197	44
Trenton	0.56	15.38	3.24	98	58	76	5	29	334	56
<b>South</b>										
Cape May C.H. <sup>3</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Downtown	1.44	13.77	1.73	99	54	77	7	24	306	82
Hammonton	0.16	11.80	-0.79	101	56	78	8	104	416	34
Pomona	0.49	12.44	0.84	102	57	78	9	26	401	45
Seabrook <sup>3</sup>	0.91	11.52	0.20	99	65	79	9	58	335	60
South Harrison <sup>3</sup>	0.00	11.54	-1.16	98	57	77	N/A	60	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 all historic comparisons.

## Jersey Fresh Availability & Forecast Report

Up until this past weekend, we have seen unseasonably warm temperatures (ten degrees or more above normal) for the last several weeks which have hastened the end of the spring season. Lettuces and the more delicate greens and herbs have seen too much heat too soon and are finishing up earlier than normal. The commercial strawberry harvest is over but blueberry season is starting and is ramping up in volume very quickly due to this same early heat. This week we'll see a different weather trend; a normal weather pattern. It will be seasonably cooler all week with low 70's increasing a few degrees each day for the next three days with 80 to low 80's from Thursday through Saturday. There's a 60% chance of rain tomorrow night and a 30% or greater chance of rain Thursday through Saturday. We need the rain as it's been a bit dry in many places throughout the state. The cooler weather and chance of rain will hopefully spell our farmers from their irrigation chores this week.

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 13, 2011

<b>ARUGULA</b>	Harvesting a good quantity of good quality product.
<b>ASPARAGUS</b>	Finishing up.
<b>BABY SPINACH &amp; ARUGULA</b>	Harvesting very good quality in good volume. Wet early Spring weather prevented early planting this year.
<b>BASIL</b>	Likes the heat. Starting in very good quality this week.
<b>BEETS</b>	Harvesting very good quality product in good quantity.
<b>BLUEBERRIES</b>	Unseasonably warm weather over the last couple of weeks has hastened their maturation. The widely planted Duke variety started over the weekend in excellent quality, w/ volume quickly becoming available.
<b>CABBAGE</b>	Harvesting good quality product in fair to good 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 volume.
<b>CUCUMBERS</b>	Excellent quality pickles harvesting in fair to good volume with cukes now harvesting in fair to increasing volume.
<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 very good quality products in good quantities.
<b>KALE</b>	Good quality product harvesting in fair to good volume.
<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 a bit more declining volume.
<b>MINT</b>	Very good quality harvesting in good volume.
<b>PARSLEY</b>	Harvesting a good volume of good quality curly and plain product.
<b>RADISHES</b>	Harvesting a declining volume of good quality product w/ the heat.
<b>SPINACH</b>	A light 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 good quantities of ex. quality Yellow & Zucchini.
<b>STRAWBERRIES</b>	Finishing up. Unseasonable warmth the last several weeks has hastened the end of the commercial season. Northern areas are harvesting a quickly declining volume, mainly for their own farm retail sales.
<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>PEACHES</b>	The weather was very favorable for setting a peach and nectarine crop and the growers are finishing their thinning. The season will be normal with peaches in early July, with volume by mid-month. White peaches start in mid July, with volume by the end of the month.
<b>SWEET CORN</b>	Harvest should begin in early July. Right now, volume may not be available for the 4 <sup>th</sup> . Peak of season should be the last week of July.
<b>TOMATOES</b>	Tunnel started product in two weeks in light volume and high prices. Field grown starting a week later with some volume expected for the 4 <sup>th</sup> of July.