



**Agricultural Weather Advisory For New Jersey  
And Southeastern Pennsylvania  
Issued By Rutgers University  
New Brunswick, NJ  
8 Am EDT Monday August 16, 2010**

Rainfall amounts tenth of an inch with locally higher amounts possible today and tonight, none Tuesday. Winds for spraying southwest 5 to 10 mph through Tuesday.

Relative humidity in percent 60 to 70 today, 90 to 100 tonight, 35 to 45 Tuesday. Dew points near 70 today and tonight, dropping into the 50s Tuesday. Drying conditions fair at best today, good Tuesday. Some dew as well as possible wetting in a shower tonight, light dew Tuesday night. Percent of possible sunshine 20 today 60 Tuesday.

There is a 40 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.

Conditions appear unfavorable for cranberry scald today but might be favorable on Tuesday.

Hay cutting runs a risk of showers through tonight, then good drying Tuesday but with another risk of showers on Wednesday.

Soil moisture levels remain very low and therefore the need for irrigation will remain high. Some localized areas might receive significant rainfall but no widespread heavy rain is expected.

The latest 8 to 14 day outlook for the period August 23, 2010 to August 29, 2010 is calling for temperatures to average near normal and precipitation to average below normal.

**Climate summary for the week ending 8am 8/16/10**

Temperatures averaged much above normal, averaging 75 degrees north, 77 degrees central, and 78 degrees south. Extremes were 98 degrees at Hammonton on August 11, 2010 and 57 degrees at Charlotteburg on August 15, 2010.

Weekly rainfall averaged 0.66 inches north, 0.07 inches central, and 0.16 inches south. The heaviest 24 hour total reported was 0.82 inches at Charlotteburg on August 15, 2010 to August 16, 2010.

Estimated soil moisture, in percent of field capacity, this past week averaged 69 percent north, 48 percent central, and 41 percent south.

Four inch soil temperatures averaged 75 degrees north, 77 degrees central, and 77 degrees south.

**Field Corn Maturing**

Days suitable for field work, for the week ending Sunday August 15, 2010, were 6.5. Topsoil moisture was rated as 5% very short, 50% short and 45% adequate. Subsoil moisture was rated as 45% short and 55% adequate. There were minimal amounts of rainfall during the week in most localities. Temperatures were above normal across the Garden State. Irrigation was necessary as dry and hot conditions continued to affect various crops. Corn and soybean development progressed throughout the state. Field-corn completed the dough stage in the central district. Some corn is being chopped for silage. Second and third-cuttings of alfalfa hay continued while other hay varieties experienced slow regrowth for second cuttings. Pumpkins and potatoes continued maturing earlier than usual due to high temperatures. Peach and apple harvests progressed with crop conditions rated mostly good. Other activities included planting and harvesting vegetables, spraying pesticides, and feeding livestock.

**Weather Summary for the Week Ending Monday, August 16, 2010**

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.*							Base 50° F
<b>North</b>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>	<i>Degrees</i>			<i>Percent</i>
Belvidere Bridge	0.72	22.24	0.18	91	63	74	3	2329	421	76
Canoe Brook <sup>3</sup>	0.51	24.41	1.23	96	59	77	6	2451	538	69
Charlotteburg	0.93	28.07	4.67	92	57	73	5	2353	848	76
Flemington	0.42	23.54	1.16	94	62	76	4	2600	638	67
Newton <sup>3</sup>	0.74	24.41	2.85	90	61	74	5	2301	560	76
<b>Central</b>										
Freehold	0.04	22.16	0.38	95	58	77	4	2784	691	54
Long Branch	0.00	22.76	0.86	95	64	76	3	2602	588	30
New Brunswick	0.16	23.02	1.13	95	60	77	4	2756	579	62
Toms River	0.00	19.73	-2.74	91	61	76	4	2652	650	27
Trenton	0.13	18.80	-2.05	96	64	79	5	2924	646	33
<b>South</b>										
Cape May C.H.	0.04	17.68	-1.71	92	61	75	2	2411	258	34
Downstown	0.33	18.68	-1.82	96	60	79	6	2777	491	44
Glassboro	0.17	23.12	1.66	93	65	79	5	2880	619	38
Hammonton	0.27	18.31	-3.19	98	60	79	5	2941	677	41
Pomona	0.01	18.18	-1.49	94	62	79	6	2845	733	26
Seabrook <sup>3</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
South Harrison <sup>3</sup>	0.44	20.83	-0.57	96	63	79	N/A	2946	N/A	N/A

\* Departure from normal.

<sup>1</sup> Growing degree days since March 1, 2010, 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 comparisons.

**JERSEY FRESH AVAILABILITY & FORECAST REPORT**

July extended our four month run of record warmth into a fifth month as July '10 ranks as the second warmest on record. Early season warmth caused us to have a historically early start to our summer season produce and crops are still at least a week to ten days earlier than normal. This week's temperatures will start hot today and tomorrow but cool down by Wednesday. There's been little rainfall lately to provide much relief to our crops, and they'll continue to be under heat stress conditions this week due to warm weather and continued dry conditions. Heat stress has been causing some decreased production levels (especially green and leafy items) and smaller sizes and this is a concern, though our farmers continue to irrigate as needed to mitigate these affects.

We will have high humidity all week. Perhaps our 50% probability of showers tonight and Wednesday night will help to cool things down and provide much needed relief to our parched produce. We'll see mid-80's for most of the rest of the week. There's also a 40% chance of rain Thursday and 30% all weekend. There will be a little relief during the overnight hours as low 70's early in the week will fall into the upper-60's Thursday night and stay there through the weekend.

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 AUGUST 16, 2010**

<b>ARUGULA &amp; CILANTRO</b>	Harvesting a light quantity of good quality product. Supply will ramp up in a few weeks.
<b>BABY SPINACH &amp; ARUGULA</b>	Harvesting good quality product in fair quantity. Not as affected by the heat.
<b>BASIL</b>	Harvesting a fair to good volume of good quality in spite of downy mildew discovered in disparate parts of the state a month weeks ago. There's not been much news on this issue; perhaps due to the dry growing conditions.
<b>BEETS</b>	Harvesting good quality product in fair volume.
<b>CABBAGE</b>	Harvesting good quality product in fair volume.
<b>CANTALOUPE &amp; MELONS</b>	Harvesting good quality in light quantity right now as another bit of volume should be entering the Labor Day marketplace in another week or so.
<b>COLLARDS</b>	Harvesting good quality in fair volume.
<b>CUCUMBERS</b>	Harvesting light to fair quantities of good quality product as many farmers are between plantings right now.
<b>DANDELIONS</b>	A good volume of good quality Spring planted product.
<b>DILL</b>	Harvesting good quality in very light quantity.
<b>EGGPLANT</b>	Harvesting very good quality product in good supply.
<b>KALE</b>	Good quality product harvesting in fair volume.
<b>LEEK</b>	A fair to good volume of good quality product is available.
<b>MINT</b>	Harvesting a fair quantity of good quality product.
<b>NECTARINES</b>	Harvesting a good supply of excellent quality Flavortop and the more widely planted Sunglo yellow varieties. A steady supply through early September.
<b>PARSLEY</b>	Harvesting a light quantity of fair to good quality product.
<b>PEACHES</b>	Harvesting a good supply of excellent quality & widely planted Bounty, Flamin Fury, and Cresthaven yellow varieties. Klondike & Sugar Giant white peaches in fair to good volume w/ Lady Nancy starting. Available thru mid-Sept. Brix levels are high, sweetness is ensured. Sizing and quality are good.
<b>PEPPERS</b>	Harvesting very good quality product in good supply.
<b>SPINACH</b>	A light volume of good quality product is available.
<b>SQUASH</b>	Harvesting fair quantities of excellent quality yellow & zucchini as some growers are between plantings right now.
<b>SWEET CORN</b>	Harvesting very good quality corn in good volume.
<b>SWISS CHARD</b>	Harvesting a light to fair quantity of good quality product.
<b>TOMATOES</b>	Harvesting very good quality product in good volume. There's still a glut in the marketplace.
<b>WHITE POTATOES</b>	Harvesting mainly round white varieties, with some Yukon Gold, Redskin varieties, and a bit of Russets as well.

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