



NJ-CW3212

## New Jersey Weather and Crop Bulletin

August 13, 2012

### Fall Vegetables Being Planted

For the week ending Sunday, August 12, 2012, there were 5.5 days suitable for field work. Topsoil moisture was rated at 15% short, 80% adequate and 5% surplus. Subsoil moisture was rated at 20% short, 75% adequate, and 5% surplus. Pasture and range condition was rated at 5% poor, 50% fair, and 45% good. Temperatures reached highs in the low 90s and lows in the upper 50s across the Garden State.

New Jersey received some much needed rain this past week. Recent rain events appear to have helped soybeans and vegetable crops. Unfortunately, some peach, apple, and tomato damage from hail was reported. High winds caused damage to some sweet corn fields. Vegetable crops are doing well. Other farming activities included harvesting fruits, planting fall vegetables, irrigation, and cutting and baling hay. Milk production was slightly lower than average due to the heat and humidity.

### Climate summary for the week ending 8am 08/13/12

Temperatures averaged much above normal, averaging 74 degrees north, 77 degrees central, and 76 degrees south. Extremes were 92 degrees at New Brunswick on August 10, 2012, and 57 degrees at Newton on August 8, 2012.

Weekly rainfall averaged 1.31 inches north, 0.90 inches central, and 1.63 inches south. The heaviest 24 hour total reported was 1.42 inches at Pomona on August 6, 2012 to August 7, 2012.

Estimated soil moisture, in percent of field capacity, this past week averaged 84 percent north, 79 percent central, and 81 percent south.

Four inch soil temperatures averaged 75 degrees north, 77 degrees central, and 78 degrees south.

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**Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania  
Issued By Rutgers University- New Brunswick, NJ  
8 am EDT Monday August 13, 2012**

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Rainfall amounts none today and tonight, quarter of an inch with locally heavy amounts possible Tuesday afternoon. Winds for spraying west 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, 50 to 60 Tuesday. Dew points upper 50s to low 60s through tonight, mid 60s Tuesday. Drying conditions good today, fair at best Tuesday. Dew tonight, some dew as well as well as possible wetting in showers Tuesday night. Percent of possible sunshine 80 today, 30 Tuesday.

There is a near zero 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 good drying today but then a risk of wetting in showers Tuesday and Wednesday.

Conditions might be favorable for the occurrence of cranberry scald today but should be unfavorable Tuesday. Soil moisture is generally favorable at most locations. Growing degree day totals base 50 continue to run well ahead of normal. The latest 8 to 14 day outlook for the period August 20, 2012 to August 26, 2012 is calling for temperatures to average above normal and precipitation to average near normal.

### Weather Summary for the Week Ending Monday, August 13, 2012

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 .....	2.29	23.36	1.76	89	60	73	2	2,235	390	96
Canoe Brook.....	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
Charlotteburg.....	0.68	16.22	-6.69	88	61	74	5	2,216	757	74
Flemington.....	1.64	21.46	-0.48	89	59	75	3	2,445	549	95
Newton .....	0.63	26.18	5.09	87	57	74	4	2,283	600	83
<b>Central</b>										
Freehold .....	0.43	19.73	-1.60	90	61	77	4	2,545	521	81
Long Branch .....	0.50	22.99	1.59	88	62	76	3	2,373	428	70
New Brunswick .....	1.76	20.10	-1.31	92	61	77	4	2,607	499	94
Toms River .....	0.14	17.55	-4.44	87	64	77	5	2,333	397	42
Trenton .....	1.67	18.82	-1.60	88	63	77	2	2,744	540	93
<b>South</b>										
Cape May C.H. ....	1.99	17.67	-1.29	84	60	72	-3	2,173	95	94
Downstown .....	1.49	15.44	-4.61	90	64	77	2	2,635	420	72
Hammonton .....	0.75	19.06	-2.00	90	65	79	4	2,667	477	78
Pomona .....	2.30	20.70	1.48	89	67	78	5	2,542	499	88
Seabrook .....	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
South Harrison.....	1.26	14.00	-7.01	90	68	77	N/ A	2,751	N/ A	N/ A

Departure from normal.

<sup>1</sup> Growing degree days since March 1, 2012, 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 AUGUST 13, 2012**

<b>ARRUGULA</b>	Harvesting good quality in fair quantity in this heat.
<b>BABY SPINACH &amp; ARUGULA</b>	Harvesting very good quality in fair quantity.
<b>BASIL</b>	Likes the heat. Harvesting good quality in good volume.
<b>BEETS</b>	Harvesting good quality product in fair to good volume.
<b>CABBAGE</b>	Harvesting excellent quality product in fair volume.
<b>CILANTRO</b>	A light volume of good quality product harvesting.
<b>COLLARDS/KALE</b>	A light to fair volume of good quality products harvesting.
<b>CUCUMBERS</b>	Good quality Pickles & Cukes harvesting in light volume due to past heat. Some growers are between fields now w/ supply ramping up a bit in September w/ a flush of Fall product.
<b>DANDELIONS</b>	Good quality bunched Spring planted Italian and San Pasquale varieties both harvesting in fair quantity.
<b>DILL</b>	Harvesting very good quality in very light volume as prolonged warmth has curtailed availability.
<b>EGGPLANT</b>	Harvesting very good quality product in good supply.
<b>LEEKs</b>	A fair volume of good quality harvesting.
<b>MINT</b>	Likes the heat. Harvesting a good volume of excellent quality product.
<b>NECTARINES</b>	Harvesting a fair to good volume of the excellent quality Fantasia variety. Should be in fair to good supply for the next couple of weeks with decreasing volume through early September.
<b>PARSLEY</b>	Harvesting a light volume of good quality curly and plain due to heat.
<b>PEACHES</b>	Harvesting a good supply of excellent quality and widely planted Bounty, Flamin Fury, & Cresthaven varieties, through early September. Klondike & Sugar Giant white peaches harvesting in good volume. Brix levels are high due to our early hot and dry weather, so sweetness is ensured. Sizing and color are good.
<b>PEPPERS</b>	Harvesting a good supply of good quality product.
<b>RADISHES</b>	Harvesting good quality product in very light volume as prolonged warmth has curtailed availability.
<b>SPINACH</b>	A light volume of good quality product harvesting in this heat. Supply ramping up a bit in September w/ a flush of Fall product.
<b>SQUASH</b>	Very good quality green and yellow squash harvesting in fair volume. Supply will ramp up a bit in September w/ some Fall product.
<b>SWEET CORN</b>	Good volume of very good quality corn.
<b>SWISS CHARD</b>	Harvesting a light to fair volume of very good quality product. Supply will ramp up a bit in September w/ a flush of Fall product.
<b>TOMATOES</b>	Harvesting excellent quality in good volume.
<b>TURNIPS</b>	Harvesting very good quality in very light volume due to the prolonged heat. Supply will ramp up a bit in September w/ a flush of Fall product.