



NJ-CW2612

## New Jersey Weather and Crop Bulletin

July 2, 2012

### Recent Rains Have Kept Irrigation at a Moderate Use

For the week ending Sunday, July 1, 2012, there were 6 days suitable for field work. Topsoil moisture was rated at 5% very short, 40% short, 50% adequate, and 5% surplus. Subsoil moisture was rated at 20% short, 75% adequate, and 5% surplus. Pasture and range condition was rated at 10% poor, 35% fair, 50% good, and 5% excellent. Temperatures reached highs in the low to upper 90s and lows in the low to mid 50s across the Garden State.

Ninety percent of New Jersey's winter wheat has been harvested. The condition of the winter wheat crop was 25% fair and 75% good. Recent rains have kept irrigation at a moderate use. Some growers are dealing with downy mildew of cucurbit and early blight of tomato. Preventative disease measures have been taken on both conventional and organic farms. Field corn and soybeans looked good. Young vegetable crops may have sustained some heat damage. The blueberry harvest in some of Burlington County is not doing very well due to earlier frost damage. Other farming activities included irrigation, hay work, harvesting wheat and baling straw. Livestock condition was good. Milk production may be below average due to heat stress. Supplemental feeding for sheep was started.

### Climate summary for the week ending 8am July 2, 2012

Temperatures averaged above normal, averaging 73 degrees north, 75 degrees central, and 75 degrees south. Extremes were 98 degrees at Toms River on June 30, 2012, and 50 degrees at Freehold on June 26, 2012.

Weekly rainfall averaged 0.37 inches north, 0.76 inches central, and 1.22 inches south. The heaviest 24 hour total reported was 1.53 inches at Long Branch on June 25, 2012 to June 26, 2012.

Estimated soil moisture, in percent of field capacity, this past week averaged 72 percent north, 78 percent central, and 71 percent south.

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

### Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania Issued By Rutgers University- New Brunswick, NJ 8 am EDT Monday July 2, 2012

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

Relative humidity in percent 30 to 40 today, 90 to 100 tonight, 30 to 40 Tuesday. Dew points upper 50s to low 60s through Tuesday.

Drying conditions excellent today and Tuesday. Light dew tonight and Tuesday night. Percent of possible sunshine near 100 today and 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 be excellent through Tuesday. There is a chance of scattered wetting Wednesday.

Soil moisture will continue to decrease over the next several days and the need for irrigation will increase. Four inch soil temperatures are now in the low to mid 80s and will remain steady over the next few days. Growing degree day totals base 50 continue to run well ahead of normal.

The latest 8 to 14 day outlook for the period July 9, 2012 to July 15, 2012 is calling for temperatures to average above normal and precipitation to average above normal.

### Weather Summary for the Week Ending Monday, July 2, 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 .....	0.20	12.73	-2.80	95	52	72	2	1,181	271	58
Canoe Brook .....	0.17	10.96	-5.69	97	55	76	5	1,327	446	66
Charlotteburg.....	0.70	12.58	-4.27	92	53	72	4	1,172	479	69
Flemington.....	0.40	13.11	-2.82	95	54	74	3	1,316	404	69
Newton .....	0.36	10.01	-5.11	94	52	72	3	1,224	449	64
<b>Central</b>										
Freehold .....	1.24	13.71	-1.90	95	50	74	2	1,366	359	73
Long Branch .....	1.66	18.91	3.28	95	55	76	4	1,218	282	60
New Brunswick .....	0.02	14.77	-0.48	96	54	75	1	1,404	332	78
Toms River .....	0.56	13.51	-2.04	98	52	75	2	1,178	244	56
Trenton.....	0.34	12.06	-2.19	96	57	76	2	1,547	426	44
<b>South</b>										
Cape May C.H. ....	1.15	10.84	-2.94	94	53	75	2	1,127	112	70
Downstown.....	1.71	11.28	-2.80	95	51	76	2	1,426	288	91
Hammonton.....	1.20	12.48	-2.39	97	54	76	2	1,281	333	55
Pomona .....	0.82	14.87	1.41	94	54	75	3	1,383	364	74
Seabrook .....	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
South Harrison <sup>4</sup> .....	1.11	10.57	-4.69	97	58	75	N/ A	1,490	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.

<sup>4</sup> Some values estimated due to some missing data.

**JERSEY FRESH AVAILABILITY FOR JULY 2, 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 warm weather. Harvesting good quality in good volume.
<b>BEETS</b>	Harvesting good quality product in good volume.
<b>BLUEBERRIES</b>	The crop is harvesting in excellent quality and fair to quickly decreasing volume as the intensely flavored Bluecrop variety berries wind down over the next week. Harvest has two more weeks w/ any kind of volume.
<b>CABBAGE</b>	Harvesting excellent quality product in good volume.
<b>CILANTRO</b>	A fair volume of good quality Spring planted product harvesting.
<b>COLLARDS/KALE</b>	A good volume of good quality Spring planted products harvesting.
<b>CUCUMBERS</b>	Good quality Pickles & Cukes harvesting in good volume.
<b>DANDELIONS</b>	Good quality bunched Spring planted Italian and San Pasquale varieties both harvesting in good quantity.
<b>DILL</b>	Harvesting very good quality in light volume most of the Summer although extreme warmth will curtail availability.
<b>EGGPLANT</b>	An early harvest of light to fair & quickly increasing supply with warming temperatures but it will be late next week before any significant volume is available.
<b>ESCAROLE &amp; ENDIVE</b>	The increasing seasonal warmth has curtailed the Spring season. See you in mid-September.
<b>LEEKs</b>	A good volume of good quality Spring planted harvesting.
<b>LETTUCES</b>	Seasonable warmth is finishing up the Spring season for these temperature sensitive products. See you in mid-September.
<b>MINT</b>	Harvesting a good volume of very good quality product.
<b>PARSLEY</b>	Harvesting a good volume of very good quality curly and plain.
<b>PEACHES</b>	Early yellow varieties, mainly Sentry, are harvesting in fair to quickly increasing volume in good color and brix. Although a few early white peaches are starting, it will be two weeks before any promotable volume.
<b>PEPPERS</b>	An early harvest in light to fair & quickly increasing supply with warming temperatures but it will be another week or so before any significant volume is available.
<b>RADISHES</b>	Will continue to harvest good quality product in light volume most of the Summer although extreme warmth will curtail availability.
<b>SPINACH</b>	A light to fair volume of good quality product harvesting in this heat.
<b>SQUASH</b>	Very good quality green and yellow squash harvesting in good volume.
<b>SWEET CORN</b>	Fair to good volume of very good quality corn for the 4th. Peak of season should be in two weeks.
<b>SWISS CHARD</b>	Harvest of fair volume of very good quality product.
<b>TOMATOES</b>	Field grown product harvesting in light to fair volume. Good volume by late next week.
<b>TURNIPS</b>	Harvesting very good quality in light to decreasing quantity.

**JERSEY FRESH FORECAST**

<b>NECTARINES</b>	Harvest will start in three weeks, with volume by August.
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