



**Agricultural Weather Advisory For New Jersey
And Southeastern Pennsylvania
Issued By Rutgers University
New Brunswick, NJ
8 am EDT Monday, June 7, 2010**

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

Relative humidity in percent 30 to 40 today 85 to 95 tonight 30 to 40 Tuesday. Dew points mid 40s today and tonight, low 40s Tuesday. Drying conditions excellent today and Tuesday. Light dew tonight and Tuesday night. Percent of possible sunshine 90 today 90 Tuesday.

There is a near zero percent probability of precipitation during the 12 hour period beginning at 8 am and ending at 8 pm. Rainfall could adversely affect the performance of pesticides that require a rain-free period after application.

Overnight low temperatures in the representative cranberry bogs could fall to 29 to 31 tonight and 28 to 32 Tuesday night.

Four inch soil temperatures are averaging in the low 70s north, mid 70s central, and upper 70s south. Soil temperatures will hold steady over the next couple of days.

Hay cutting will see excellent conditions today and Tuesday but then with a chance of showers on Wednesday.

Estimated soil moisture in percent of field capacity is now well below 50 percent in most southern locations and therefore there is the need for widespread irrigation with little threat of moisture before Wednesday.

Growing degree day totals base 50 are running well ahead of average.

The latest 8 to 14 day outlook for the period June 14, 2010 to June 20, 2010 is calling for temperatures to average near normal and precipitation to average near normal.

Climate summary for the week ending 8am 6/7/10

Temperatures averaged much above normal, averaging 73 degrees north, 78 degrees central, and 78 degrees south. Extremes were 95 degrees at Pomona on June 7, 2010 and 49 degrees at Belvidere on June 7, 2010.

Weekly rainfall averaged 0.17 inches north, 0.73 inches central, and 0.11 inches south. The heaviest 24 hour total reported was 1.00 inches at Freehold on May 31, 2010 to June 1, 2010.

Estimated soil moisture, in percent of field capacity, this past week averaged 72 percent north, 73 percent central, and 50 percent south.

Four inch soil temperatures averaged 72 degrees north, 75 degrees central, and 75 degrees south.

Sunny Conditions Aid Corn and Soybean Emergence

Days suitable for field work, for the week ending Sunday June 6, 2010, were 7.0. Topsoil moisture was rated as 10% short and 90% adequate. Subsoil moisture was rated as 5% short, 90% adequate, and 5% surplus. There were minimal amounts of rainfall for the week. Temperatures were above normal across most of the Garden State. Agricultural producers continued planting, harvesting vegetables, irrigating, and side-dressing fertilizer. The emergence of field corn and soybeans neared completion in some localities. Hay harvesting continued. Vegetable growers prepared for harvest of summer crops. Cranberry bushes started to bloom. Crop conditions rated mostly good for strawberries as harvest progressed.

Weather Summary for the Week Ending Monday, June 7, 2010

Weather Stations	Rainfall			Temperatures Last Week				Growing Degree Days ¹		Soil Moisture ²
	Last Week	Since March 1		Max.	Min.	Avg.	Dept.*	Total	Dept.*	
	Inches	Inches	Inches					Base 50° F	Base 50° F	Percent
North										
Belvidere Bridge	0.15	13.36	1.08	88	49	73	7	691	243	64
Canoe Brook ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Charlotteburg	0.05	19.04	5.67	90	56	73	10	718	422	53
Flemington	0.14	16.48	3.71	91	52	75	9	805	374	71
Newton ³	0.35	14.95	3.01	87	57	73	9	699	353	71
Central										
Freehold	1.40	17.11	4.42	92	53	78	11	893	391	77
Long Branch	0.77	16.92	3.93	93	56	77	10	753	304	56
New Brunswick	0.78	17.13	4.66	91	53	78	9	865	326	73
Toms River	0.38	15.87	3.23	93	61	78	14	818	360	45
Trenton	0.32	13.69	2.20	91	61	78	9	936	350	47
South										
Cape May C.H.	0.48	14.29	3.15	89	56	73	6	679	166	61
Downstown	0.00	12.34	0.93	91	60	79	10	886	286	39
Glassboro	0.09	13.82	1.61	90	57	79	10	950	370	38
Hammonton	0.05	14.03	2.14	92	62	79	11	961	390	33
Pomona	0.00	13.34	2.39	95	62	78	11	883	385	33
Seabrook ³	0.03	13.75	3.13	92	58	80	11	27	422	35
South Harrison ³	0.05	11.76	N/A	91	67	79	N/A	997	N/A	N/A

* Departure from normal.

¹ Growing degree days since March 1, 2010, total and departure from normal or long term average.

² Estimated soil moisture as % of field capacity based on climate data.

³ Data not available for all histronics comparisons.

JERSEY FRESH AVAILABILITY & FORECAST REPORT

Although this spring was wetter and warmer than usual, cool overnight temperatures, which helped to create quality lettuces and greens, had mitigated the general daytime warmness and had not raised our soil temperatures enough to hasten the development of some crops. Soil temperatures have been rising steadily over the past three weeks and much warmer overnight temperatures (mid 60's) have helped to warm our soils and encourage the development of our summer season crops. Last week's unusually warm temperatures have continued to develop our summer season crops but had a detrimental effect on our more delicate spring crops causing many of them to "bolt" and finish their season.

This week, our temperatures will be much cooler than last week and a few degrees below normal. Our mid 70's temperatures will hold most of the week until Friday when low 80's will rise a couple of degrees each day through the weekend. Wednesday and Thursday will bring a better than even chance of rain. The season for established crops is at least a week early while wet fields caused most spring plantings to be made a little bit late. Our season is on a slightly early production schedule.

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 at any time if you have questions or need more information about Jersey Fresh availability.

Bill Walker – NJ Dept. of Agriculture

AVAILABILITY FOR JUNE 7, 2010

ARUGULA	Harvesting a good quantity of very good quality product.
ASPARAGUS	Finishing up as rising temperatures causes color to fade and product to "bolt".
BABY SPINACH & ARUGULA	Harvesting very good quality product in fair to good quantity.
BEETS	Harvesting very good quality product in good quantity.
BLUEBERRIES	Light quantities of early varieties like Weymouth starting now due to warm early season growing conditions. The much more widely planted Duke variety will start at the end of the week, with volume next week.
CABBAGE	Harvesting good quality product in good volume. Cool early season weather caused slow and gradual growing conditions.
CILANTRO	A good volume of very good quality product.
COLLARDS	Harvesting very good quality in fair volume.
CUCUMBERS	Harvesting fair to quickly increasing quantities of pickles. Tunnel grown cukes harvesting in light quantity with field cukes starting.
DANDELIONS	A good volume of very good quality product.
DILL	Harvesting very good quality in good quantity.
ESCAROLE & ENDIVE	Harvesting very good quality in good quantity.
KALE	Good quality product harvesting in fair to good volume.
LEEKs	A fair to good volume of good quality over-wintered product is available.
LETTUCE	Harvesting all in good quality and good to decreasing volume as the recent heat has hastened the season of temperature sensitive products.
MINT	Harvesting a good quantity of very good quality product.
PARSLEY	Harvesting a good quantity of good quality curly and plain.
RADISHES	Harvesting a fair to good volume of very good quality product.
SPINACH	A fair volume of good quality product is available.
STRAWBERRIES	Finishing up as warm temperatures and rainfall have hastened the ending of the remainder of the early starting commercial crop.
SQUASH	Harvesting fair to quickly increasing quantities of yellow & zucchini as field grown augments tunnel grown products.
SWISS CHARD	Harvesting a good quantity of very good quality product.
TURNIPS	Just starting to harvest very good quality product in light quantity.

FORECAST

BASIL	Likes warmer weather. Should be ready next week.
SWEET CORN	An early harvest should begin next week in light quantities of tunnel started product. Volume will be available about a week to ten days later.
TOMATOES	Tunnel started product in two weeks in very light volume and high prices. Field grown starting a week later with volume for the 4 th of July.