



United States Department of Agriculture
National Agricultural Statistics Service
New Jersey Field Office
 Cooperating with New Jersey Department of Agriculture
 Agricultural Marketing Service
 U.S. Department of Commerce/N.O.A.A.
 Rutgers University



NJ-CW2809

New Jersey Weather and Crop Bulletin

July 13, 2009

Agricultural Weather Advisory For New Jersey
And Southeastern Pennsylvania
Issued by Rutgers University
New Brunswick, NJ
8 am EDT Monday, July 13, 2009

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

Relative humidity in percent 30 to 40 today, 90 to 100 tonight, 35 to 45 Tuesday. Dew points 50 to 55 through Tuesday. Drying conditions very good today, very good Tuesday. Light dew tonight, light dew Tuesday night. Percent of possible sunshine 80 today, 80 Tuesday.

There is 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.

Conditions will be favorable for cranberry scald today and will probably be favorable again Tuesday.

Hay cutting will continue to see good haying conditions through Wednesday then a chance of showers and thundershowers Wednesday night through Thursday night.

The latest 8 to 14 day outlook for the period July 20, 2009 to July 26, 2009 is calling for temperatures to average near normal and precipitation to average near normal.

Climate summary for the week ending 8am 7/13/09

Temperatures averaged much below normal, averaging 67 degrees north, 69 degrees central, and 71 degrees south. Extremes were 88 degrees at Seabrook on July 8, 2009 and 51 degrees at Flemington on July 13, 2009.

Weekly rainfall averaged 0.79 inches north, 0.88 inches central, and 0.85 inches south. The heaviest 24 hours total reported was 2.03 inches at South Harrison on July 11, 2009 and July 12, 2009.

Estimated soil moisture, in percent of field capacity, this past week averaged 80 percent north, 59 percent central, and 40 percent south.

Four inch soil temperatures averaged 67 degrees north, 69 degrees central, and 71 degrees south.

Peach Harvest Begins

Days suitable for field work, for the week ending Sunday, July 12, 2009, were 5.5. Topsoil moisture was rated as 5% short, 90% adequate and 5% surplus. Subsoil moisture was rated as 90% adequate and 10% surplus. There were measurable amounts of rainfall for the week in most localities. Temperatures were below normal across the Garden State. Farmers took advantage of clear weather planting corn and soybeans and harvesting wheat. Concerns about toxins in the wheat were reported. Conditions were favorable for hay harvesting as first cuttings continued. Producers harvested early vegetables including sweet corn, peppers, and eggplant. Blueberries approached mid-harvest with quality rated excellent. Peach harvesting began. Other activities included spraying fungicides, irrigating summer vegetables, and harvesting barley.

Weather Summary for the Week Ending Monday, July 13, 2009

Weather Stations	Rainfall			Temperatures Last Week				Growing Degree Days ¹		Soil Moisture ²
	Last Week	Since March 1		Max.	Min.	Avg.	Dept.*	Total	Dept.*	
		Total	Dept.*							
	Inches	Inches	Inches	Degrees	Degrees	Degrees	Degrees			Percent
North										
Belvidere Bridge	0.93	17.43	0.37	82	52	67.	-5	1,154	29	87
Canoe Brook ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Charlotteburg	0.33	15.30	-3.05	82	52	66.	-4	1,064	163	70
Flemington	1.48	19.73	2.25	83	51	68.	-5	1,275	115	97
Newton	0.41	16.79	0.10	79	53	66.	-5	1,124	129	78
Central										
Freehold	0.59	18.72	1.68	87	53	69.	-5	1,325	64	68
Long Branch	0.90	20.18	3.17	84	56	68.	-6	1,168	-18	70
New Brunswick	1.41	19.12	2.31	86	53	69.	-6	1,337	0	85
Toms River	0.79	19.35	2.15	85	54	69.	-5	1,246	50	66
Trenton	0.69	17.89	2.01	85	56	71.	-5	1,434	41	67
South										
Cape May C.H.	0.02	17.25	2.20	86	55	70.	-5	1,357	80	20
Downstown	1.44	14.97	-0.64	87	52	70.	-5	1,426	19	87
Glassboro	1.00	20.16	3.47	86	56	72.	-3	1,516	130	70
Hammononton	1.15	15.73	-0.76	87	54	71.	-4	1,535	155	72
Pomona	1.40	20.05	5.16	87	54	71.	-3	1,474	198	87
Seabrook	0.07	15.73	0.67	88	56	73.	-2	1,443	28	41
South Harrison ³	2.03	N/A	N/A	N/A	87	56	72	N/A	N/A	N/A

*Departure from normal.

¹ Growing degree days since March 1, 2009, 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 historic comparisons.

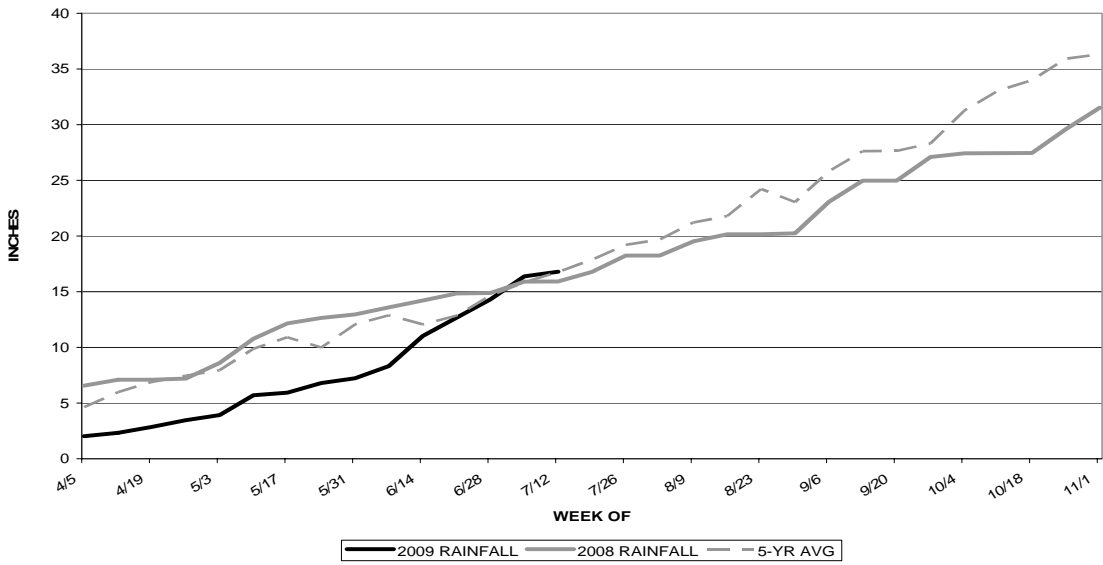
JERSEY FRESH AVAILABILITY FOR JULY 13, 2009

ARUGULA	Harvesting a light to decreasing volume with warming temperatures.
BABY SPINACH & ARUGULA	Growers continue to have problems w/ weather interrupted schedules. Light to decreasing quantity of arugula with baby spinach finishing up.
BASIL	Likes warmer weather, so it's coming on now. Harvesting in fair to good quantity.
BEETS	Harvesting good quality and quantity.
BLUEBERRIES	The crop is harvesting in very good quality and fair to decreasing volume as the widely planted Duke variety gives way to Bluecrop berries this week. The harvest is past our peak. Excellent sized berries due to plenty of rain.
CABBAGE	Harvesting a good volume of excellent quality product that's benefited greatly from all of our recent wet weather.
CILANTRO	A very light and inconsistent volume of fair to good quality product due to disrupted planting schedules. Slowing down with the rising temperatures.
COLLARDS	Harvesting good quality and quantity.
CUCUMBERS	Harvesting good quantities of very good field grown product.
DANDELIONS	A fair to good quantity of very good quality Spring planted product.
DILL	Harvesting a very light volume in fair to good quality.
EGGPLANT & PEPPERS	Harvesting good quality eggplant in light to quickly increasing supply, with peppers a few days behind. Volume increasing quickly with the warming temperatures.
ESCAROLE & ENDIVE	Harvesting a good quality and very light to decreasing volume as the temperatures increase. Finishing up. Will return in the Fall.
KALE	A fair to good quantity of good quality product.
LEEKS	A fair volume of good quality product is available.
MINT	Good quality harvesting in good quantity. Likes warmer temperatures.
NECTARINES	Excellent quality early nectarines starting with Easternglo. A good steady volume of the more widely planted Sunglo variety by the end of the month, with a steady supply through the early part of September.
PARSLEY	Light quantities of good quality curly and plain.
PEACHES	Excellent quality early yellow "cling" peaches in fair volume. The widely planted John Boy "clingless" varieties starting next week. Good volume expected by the end of July through early September. White peaches starting later next week, with volume beginning with the White Lady variety in early August, through mid-September.
RADISHES	Harvesting good quality product in very light to declining volume. Doesn't like the increasing temperatures and volume is fading with the Summer heat.
SPINACH	A light to decreasing volume of good quality product. The increasing heat is slowing production.
SQUASH	Harvesting good quantities of very good quality product.
SWEET CORN	Harvesting good quality in fair to good volume. Slow growing in cool weather resulted in a lighter quantity than usual for the early season. Peak of season should be the end of the month.
SWISS CHARD	Harvesting fair to good quality in light to decreasing volume.
TOMATOES	Harvesting in fair to quickly increasing volume with this sunny weather.
TURNIPS	Harvesting good quality in light to decreasing volume with increasing heat.

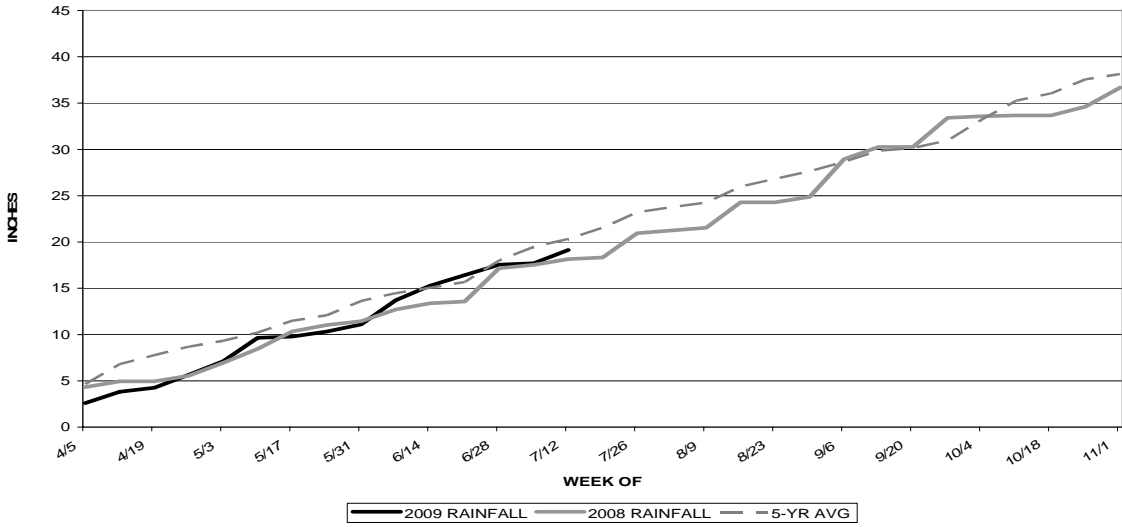
JERSEY FRESH FORECAST

WHITE POTATOES	In two weeks, growers will start harvesting mainly round white varieties, with some Yukon Gold, Redskin varieties, and a bit of Russets as well. Source your N.J. white potatoes in their distinctive "Jersey Fresh" bags.
-----------------------	--

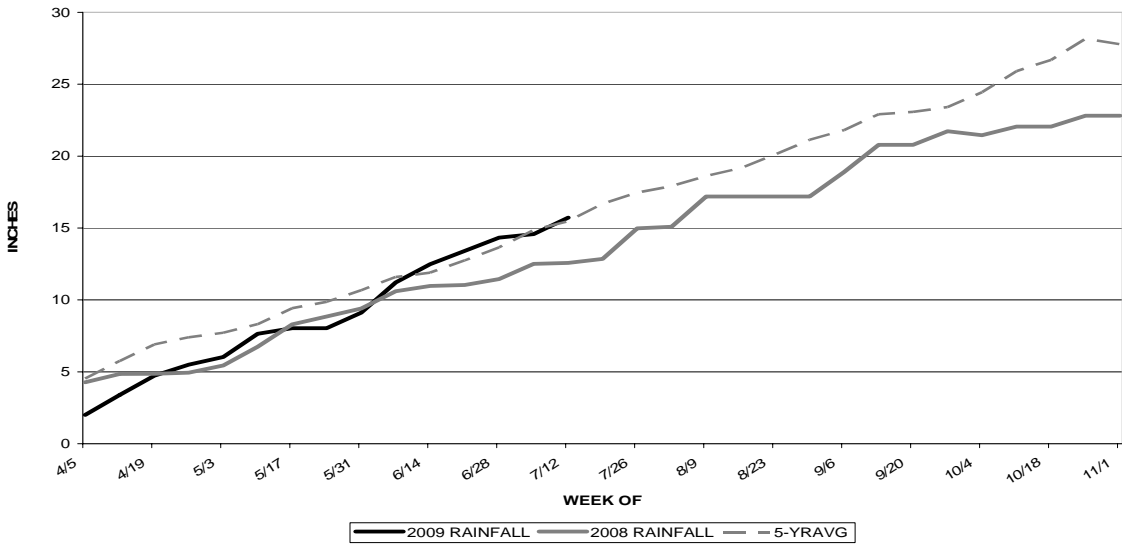
2009 TOTAL RAINFALL (NEWTON)



2009 TOTAL RAINFALL (NEW BRUNSWICK)



2009 TOTAL RAINFALL (HAMMONTON)



Source: http://www.envsci.rutgers.edu/fcst/NJ_AG.htm