



Agricultural Weather Advisory For New Jersey
And Southeastern Pennsylvania
Issued By Rutgers University
New Brunswick, NJ
8 am EDT Monday, July 11, 2011

Rainfall amounts none today and tonight, tenth of an inch with locally higher amounts possible Tuesday. Winds for spraying southwest 10 to 15 mph today, southwest 5 to 10 mph tonight, northwest 10 to 15 mph Tuesday.

Relative humidity in percent 40 to 50 today, 90 to 100 tonight, 40 to 50 Tuesday. Dew points, mid to upper 60s through tonight, low 70 Tuesday. Drying conditions excellent today, good with scattered wetting Tuesday.

Light dew tonight, some dew as well as wetting in an early shower Tuesday night. Percent of possible sunshine 80 today, 60 Tuesday.

There is a 10 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 very good drying today and pretty good on Tuesday but with some scattered wetting Tuesday. Good drying should be in place for the end of the week.

The latest 8 to 14 day outlook for the period July 16, 2011 to July 22, 2011 is calling for temperatures to average above normal and precipitation to average near normal.

Climate Summary for the Week Ending 8am July 11, 2011

Temperatures averaged above normal, averaging 75 degrees North, 77 degrees Central, and 80 degrees South. Extremes were 95 degrees at Hammonton on July 8, 2011 and 55 degrees at Charlotteburg on July 11, 2011.

Weekly Rainfall averaged 0.71 inches North, 1.52 inches Central, and 1.81 inches South. The heaviest 24 hour total reported was 2.28 inches at Pomona on July 8, 2011 to July 9, 2011.

Estimated soil moisture, in percent of field capacity, this past week averaged 84 percent North, 76 percent Central, and 72 percent South.

Four inch soil temperatures averaged 73 degrees North, 76 degrees Central, and 73 degrees, South.

Rainfall Helps Progress Crops

Days suitable for field work, for the week ending Sunday July 10, 2011 were 6.0. Topsoil moisture was rated as 15% short, 80% adequate, and 5% excellent. Subsoil moisture was rated as 10% short, 85% adequate, and 5% surplus. Pasture and Range condition was rated at 15% fair, 80% good, and 5% excellent. There was some rain and thunderstorms towards the end of the week. Temperatures were mostly at or slightly above normal across the Garden State.

Timely rainfall and mild temperatures provided adequate soil moisture supplies. New Jersey experienced heavy rainfall and thunderstorms. The rain helped progress corn and soybean crops, as well as provide much needed irrigation to dryer fields. The rainfall was sporadic across the state, with some counties experiencing much more precipitation than others.

Weather Summary for the Week Ending Monday, May 23, 2011

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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Canoe Brook ³	1.44	21.36	3.47	91	60	76	3	1323	245	88
Charlotteburg	0.24	35.00	16.92	89	55	73	4	1269	408	69
Flemington	0.91	25.15	7.95	91	57	75	2	1472	358	86
Newton	0.25	26.01	9.59	88	57	73	3	1322	369	78
Central										
Freehold	0.86	19.67	2.89	91	60	77	3	1554	341	75
Long Branch	2.29	22.17	5.41	89	64	77	4	1384	245	84
New Brunswick	1.48	20.86	4.33	94	59	77	3	1557	269	94
Toms River ³	2.32	15.53	-1.37	91	61	77	3	1398	250	83
Trenton	0.65	19.46	3.87	92	64	79	4	1740	398	57
South										
Cape May C.H. ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Downstown	2.25	17.84	2.51	94	61	78	3	1565	208	77
Hammonton	0.31	13.45	-2.75	95	68	81	6	1831	501	38
Pomona	2.34	16.82	2.19	92	64	80	6	1754	526	81
Seabrook ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
South Harrison ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Departure from normal.

¹ Growing degree days since March 1, 2011, 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 historic comparisons.

Jersey Fresh Availability & Forecast Report

This week's weather will be as warm as last week to begin with at low to mid-90's, but we'll have a slight drop off into the high 80's by Wednesday. With almost a 30 degree difference expected in temperatures between tomorrow afternoon and Wednesday night, we might see some mid-week rain just as we received it last week even though we are only expected to have a similar 30% chance of rain. Wednesday's high 80's will level off at the mid-80's and stay there through the weekend. The mid-week rain that most of the state got last week was very needed and welcome. Our farmers will resume their intensive and time consuming irrigation chores in a few days without the possible mid-week rain.

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 JULY 11, 2011

ARUGULA	Harvesting a fair to good quantity of good quality product.
BABY SPINACH & ARUGULA	Harvesting very good quality in good volume.
BASIL	Likes warmer weather. Harvesting a good volume of excellent quality product.
BEETS	Harvesting very good quality product in good quantity.
BLUEBERRIES	The widely planted Duke variety is finished. We're harvesting a fair to quickly decreasing volume of very good quality Bluecrop berries as the main commercial season is almost finished after this week.
CABBAGE	Harvesting good quality product in good volume.
CANTALOUPE & MELONS	Harvesting good quality in fair to good quantities.
CILANTRO	A fair volume of good quality product is harvesting in this heat.
COLLARDS	Harvesting very good quality product in good volume.
CUCUMBERS	Excellent quality pickles and cukes harvesting in good volume.
DANDELIONS	Good quality Italian & San Pasquale varieties harvesting in good volume.
DILL	Harvesting good quality in light quantity in this heat.
EGGPLANT & PEPPERS	Harvesting very good quality in fair to increasing supply with warming temperatures.
ESCAROLE & ENDIVE	Harvesting very good quality products in light quantities. Doesn't like the increasing temperatures and volume decreases during the Summer heat. Volume will return w/ the cooler weather in mid-September.
KALE	Good quality product harvesting in fair volume.
LEEKs	A good volume and quality available with Spring planted harvesting.
MINT	Very good quality harvesting in good volume.
PARSLEY	Harvesting a light volume of good quality product in this heat.
PEACHES	Yellow "cling" peaches such as Sentry, as well as semi-cling varieties this week in fair volume. There may be a supply gap next week until the widely planted John Boy and Redhaven "clingless" varieties start in two weeks. Sizing looks very good and high brix levels assure sweetness. Good volume expected by the end of July through early Sept. White peach harvest begins w/ the White Lady variety late month, w/ volume by early August through mid-September.
RADISHES	Harvesting a light volume of good quality product. Doesn't like the increasing temperatures and volume will fade during the Summer heat.
SPINACH	A light volume of good quality product. Doesn't like the increasing temperatures and volume decreases during the Summer heat.
SQUASH	Harvesting good quantities of excellent quality Yellow & Zucchini.
SWEET CORN	Harvesting great quality in fair to quickly increasing supply. Peak of season should be the last week of the month.
SWISS CHARD	Harvesting very good quality product in fair volume.
TOMATOES	Field grown harvesting in fair to quickly increasing volume.
TURNIPS	Harvest good quality in light quantity w/ increasing temperatures.

FORECAST

NECTARINES	Early nectarines starting late month with Eastern glo, with a steady supply from early August through the early part of September.
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