



NJ-CW3512

New Jersey Weather and Crop Bulletin

September 4, 2012

Forage Being Harvested

For the week ending Sunday, September 2, 2012, there were 7 days suitable for field work. Topsoil moisture was rated at 30% short and 70% adequate. Subsoil moisture was rated at 20% short, 75% adequate, and 5% surplus. Pasture and range condition was rated at 5% poor, 15% fair, 65% good, and 15% excellent. Temperatures reached highs in the low 90s and lows in the low 50s across the Garden State.

Other hay 2nd cuttings were being baled and 3rd cuttings continued. Corn was being chopped for silage. Harvesting vegetables continued. Tomato disease was on the rise. Worms and weevils increased in sweet corn and peppers. Milk production was average and livestock condition was good. Other activities included irrigation, some early corn beginning to be combined, soybeans setting pods, hay work, and spraying for insects.

Climate summary for the week ending 8am 9/3/12

Temperatures averaged much above normal, averaging 72 degrees north, 75 degrees central, and 76 degrees south. Extremes were 93 degrees at Pomona and New Brunswick on September 2, 2012, and 50 degrees at Charlotteburg on August 30, 2012.

Weekly rainfall averaged 0.48 inches north, 1.11 inches central, and 0.65 inches south. The heaviest 24 hour total reported was 2.12 inches at freehold on August 27, 2012 to August 28, 2012.

Estimated soil moisture, in percent of field capacity, this past week averaged 74 percent north, 76 percent central, and 72 percent south.

Four inch soil temperatures averaged 71 degrees north, 74 degrees central, and 75 degrees south.

NASS is currently conducting our annual September surveys on crops and livestock. In the first two weeks of September, NASS is surveying U.S. small grains growers for final production. We are also asking hog producers about their summer pig crop, next year's farrowing intentions, and current inventory. The responses will provide the foundation for 2012 production estimates. All participating farmers should respond. Your information matters!

**Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania
Issued By Rutgers University- New Brunswick, NJ
8 am EDT Tuesday, September 04, 2012**

Rainfall amounts rainfall totals of half to one inch with locally heavy amounts over the next 36 hours. Winds for spraying southeast 5 to 10 mph today, southwest 5 to 10 mph tonight and Wednesday.

Relative humidity in percent 60 to 70 today, near 100 tonight, 60 to 70 Wednesday. Dew points 70 to 75 through Wednesday. Some dew as well as possible wetting in showers tonight and Wednesday night. Percent of possible sunshine less than 10 today, 20 Wednesday.

There is a 70 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 is not recommended for the next few days with slow drying and scattered wetting in showers. Conditions will be unfavorable for cranberry today and Wednesday. Soil moisture will increase over the next 36 hours. Growing degree day totals base 50 continue to run well ahead of normal.

The latest 8 to 14 day outlook for the period September 11, 2012 to September 17, 2012 is calling for temperatures to average near normal and precipitation to average near normal.

Weather Summary for the Week Ending Monday, September 4, 2012

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	Base 50°F	Base 50°F	Percent
North										
Belvidere Bridge.....	0.18	24.19	-0.62	91	53	72	5	2,675	435	59
Canoe Brook.....	0.99	20.02	-5.98	91	55	74	7	2,984	726	77
Charlotteburg.....	0.10	17.42	-8.84	90	50	72	8	2,652	858	60
Flemington.....	0.97	23.87	-1.13	91	53	73	5	2,918	601	78
Newton.....	0.15	26.81	2.55	90	51	71	6	2,718	675	67
Central										
Freehold.....	2.25	23.06	-1.33	90	56	74	5	3,040	574	81
Long Branch.....	1.19	27.02	2.28	91	59	75	6	2,875	486	64
New Brunswick.....	0.91	22.12	-2.53	93	55	76	5	3,122	544	76
Toms River.....	0.80	19.00	-6.26	92	57	75	5	2,842	466	54
Trenton.....	0.39	20.69	-2.68	90	56	75	5	3,244	568	46
South										
Cape May C.H.....	0.03	21.30	-0.54	88	59	74	2	2,631	261	60
Downstown.....	0.54	17.40	-5.68	92	59	76	6	3,163	481	55
Hammonton.....	0.58	21.32	-2.75	92	60	76	6	3,194	531	58
Pomona.....	1.44	22.90	1.72	93	61	76	7	3,063	580	61
Seabrook.....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
South Harrison.....	0.69	16.15	-7.56	91	61	77	N/A	3,289	N/A	N/A

* Departure from normal.

¹ Growing degree days since March 1, 2012, 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.