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U.S. Department of Agriculture
National Agricultural Statistics Service
Agricultural Marketing Service
U.S. Department of Commerce/N.O.A.A.
Rutgers University

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Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania
Issued by Rutgers University New Brunswick NJ
8 am EDT Monday, October 1, 2007

Winds for spraying, east 5 to 10 mph today, southeast 5 mph tonight, southeast 5 to 10 mph Tuesday.

Relative humidity in percent, 40 to 50 today, 90 to 100 tonight, 40 to 50 Tuesday.

Dew points, mid 50s today, upper 50s tonight, low 60s Tuesday.

Drying conditions, good today and Tuesday.

Frost freeze or dew, heavy dew tonight and Tuesday night.

Percent of possible sunshine, 80 today, 50 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.

Estimated soil moisture in percent of field capacity remains very short in most locations. Little if any rain is expected for the entire week and therefore the need for irrigation will remain high.

Temperatures in the representative cranberry bogs will remain above freezing tonight and Tuesday night.

Late season hay cutting will continue good for the next several days with no rain but heavy overnight dew.

The latest 8 to 14 day outlook for the period October 8, 2007 to October 14, 2007 is calling for temperatures to average above normal and precipitation to total below normal.

Temperatures averaged much, much above normal averaging 67 degrees North 69 degrees Central, and 70 degrees South. Extremes were 91 degrees at several locations on September 27, 2007 and 44 degrees at Charlotteburg on September 30, 2007.

Weekly rainfall averaged 0.00 inches North, 0.00 inches Central, and 0.00 inches South. The heaviest 24 hour total reported was 0.02 inches at Canoe Brook on September 28, 2007 to September 29, 2007.

Estimated soil moisture, in percent of field capacity, this past week averaged 81 percent North, 65 percent Central, and 58 percent South. Four inch soil temperatures averaged 67 degrees North, 68 degrees Central, and 69 degrees South.

Weather Stations	Rainfall			Temperatures				Growing Degree Days 1/		Soil Moisture 2/
	Last Week	Since March 1		Last Week						
		Total	Dept.*	Max.	Min.	Avg.	Dept.*	Total	Dept.*	
- Inches -			- Degrees-				- Base 50° F -			
NORTH										
Canoe Brook	.02	43.76	13.72	91	47	70	12	3243	614	74
Charlotteburg	.00	31.40	1.06	87	44	67	11	2793	714	73
Flemington	.00	34.01	5.36	91	45	68	9	3046	351	79
Newton	.00	27.97	.07	86	45	65	9	2748	413	73
CENTRAL										
Freehold	.00	33.04	5.24	90	48	69	9	3308	433	70
Long Branch	.00	31.90	3.76	85	53	69	8	3076	257	47
New Brunswick	.00	38.43	10.13	90	48	68	7	3228	224	75
Toms River	.00	26.95	-1.84	89	50	68	8	3128	308	46
Trenton	.00	27.57	.81	91	51	70	8	3393	264	48
SOUTH										
Cape May C.H.	.00	18.26	-6.72	85	51	69	5	3283	403	49
Downtown	.00	20.26	-5.89	90	47	70	8	3396	247	50
Glassboro	.00	24.57	-2.99	91	54	72	10	3727	616	54
Hammonton	.00	20.51	-7.01	91	48	70	9	3497	380	44
Pomona	.00	22.26	-2.51	88	50	69	8	3426	531	47
Seabrook	.00	21.88	-3.37	89	53	71	9	3729	559	52
South Harrison	.00	24.59	-2.37	90	53	71	NA	3609	NA	NA

*Departure from normal.
1/Growing degree days since March 1, 2007, total and departure from normal or long term average.
2/Estimated soil moisture as % of field capacity based on climate data.

Cranberry Harvest Begins

Days suitable for field work, for the week ending Sunday, September 30, 2007, were 7.0. Topsoil moisture was rated 5% very short, 60% short and 35% adequate. Irrigation water supply was rated 5% very short, 25% short and 70% adequate. There were few measurable amounts of rainfall for the week in most localities. Temperatures were near or above normal for the week, in most areas of the Garden State. Producers irrigated in the southern district. Harvest of field corn continued. Chopping of silage neared completion. Soybean harvest progressed. Hay harvest neared completion in many localities. Producers continued harvesting vegetables. Pumpkin harvest continued across the state. Harvest of potatoes and sweet potatoes continued in the south. Cranberry harvest continued. Apple trees in mid-harvest in the central and southern districts. Grape harvest progressed in the south. Pasture re-growth was slow.
