New Jersey Weather and Crop Bulletin

Agricultural Weather Advisory For New Jersey and Southeastern Pennsylvania
Issued By Rutgers University New Brunswick, NJ 8 Am EDT Tuesday, September 8, 2009

Rainfall amounts tenth of an inch late today, half an inch tonight, tenth of an inch early Wednesday then none later Wednesday. Winds for spraying east 5 to 10 mph today, northeast 10 to 15 mph tonight and Wednesday.

Relative humidity in percent 50 to 60 today, near 100 tonight, 50 to 60 Wednesday. Dew points near 60 through Wednesday. Drying conditions fair today, poor early Wednesday then becoming fair. No dew tonight but wetting in rain is likely, heavy dew Wednesday night. Percent of possible sunshine 20 today, 20 Wednesday.

There is a 60 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.

Conditions will be unfavorable for cranberry scald today and Wednesday. Temperatures in the representative bog will remain above freezing tonight and Wednesday night.

Hay cutting is not recommended for today with significant rain likely later today into early Wednesday.

The latest 8 to 14 day outlook for the period September 15, 2009 to September 21, 2009 is calling for temperatures to average below normal and precipitation to average near normal.

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Climate summary for the week ending 8am 9/7/09

Temperatures averaged near normal, averaging 66 degrees north, 68 degrees central, and 68 degrees south. Extremes were 90 degrees at Canoe Brook on September 6, 2009 and 46 degrees at several locations on September 2, 2009.

Weekly rainfall averaged 0.00 inches north, central, and south. The heaviest 24 hour total reported was 0.01 inches at Newton on September 3, 2009 to September 4, 2009.

Estimated soil moisture, in percent of field capacity, this past week averaged 82 percent north, 75 percent central and 67 percent south. Four inch soil temperatures averaged 66 degrees north, 68 degrees central, and 70 degrees south.

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Early Pumpkin Harvesting Underway

Days suitable for field work, for the week ending Sunday, September 6, 2009, were 70. Topsoil moisture was rated as 10 short, 85% adequate and 5 % surplus. Subsoil moisture was rated as 90% adequate and 10% surplus. There were no measurable amounts of rainfall during the week. Temperatures were variable across the Garden State. Activities during the week were planting and harvesting vegetables, re-seeding hay fields, and spraying pesticides. Corn and soybean maturation was aided by sunny conditions. Second and third hay-cuttings of alfalfa and other hay varieties continued. Early pumpkin harvest began. Orchard producers continued harvesting peaches and apples. Conditions were mostly good for grapes as harvest started in the southern district.

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Weather Summary for the Week Ending Monday, September 8, 2009

<table>
<thead>
<tr>
<th>Weather Stations</th>
<th>Rainfall Since March 1</th>
<th>Growing Degree Days</th>
<th>Soil Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Last Week</td>
<td>Total</td>
<td>Dept.*</td>
</tr>
<tr>
<td>North</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Belvidere Bridge</td>
<td>0.00</td>
<td>25.07</td>
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<tr>
<td>Canoe Brook 1</td>
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<tr>
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</tr>
<tr>
<td>Central</td>
<td></td>
<td></td>
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<td>Freehold</td>
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<tr>
<td>South</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Cape May C.H.</td>
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<td>South Harrison 3</td>
<td>0.00</td>
<td>19.91</td>
<td>-4.27</td>
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</table>

*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 September 8, 2009

**Apples**
- Harvesting Gala, Courtland, & Ginger Gold. Red Delicious, Empire, Jonagold, and McCoun starting next week. Fresh apples available thru Dec.

**Arugula & Cilantro**
- A very light volume of fair to good quality product due to disrupted planting schedules. Supply will ramp up in a few weeks.

**Basil & Mint**
- Like warmer weather. Harvesting good quality & fair to decreasing volume.

**Beets**
- Harvesting good quality in fair quantity.

**Cabbage**
- Harvesting a light volume of very good quality. Excellent sizing. Supply should start to pick up in mid-month.

**Collards**
- Harvesting good quality and quantity.

**Cucumbers**
- Harvesting light quantities of good product as we’re between plantings right now. Supply should start to ramp up in mid-month.

**Dandelions**
- A fair to good quantity of very good quality Spring planted product.

**Eggplant & Peppers**
- Harvesting good quality products in good supply.

**Kale**
- A fair to good quantity of good quality product.

**Leeks & Gr. Onions**
- A fair volume of good quality product is available.

**Nectarines**
- The Fantasia variety is finishing up. Excellent size and quality.

**Parsley**
- Light quantities of fair to good quality curly and plain. Supply should start to increase with the cooler temperatures.

**Peaches**
- Yellow Fayette, Encore, & Laurol varieties harvesting. White Lady Nancy varieties harvesting. All are in fair to decreasing volume & finishing up next week. All varieties have excellent size & quality.

**Squash**
- Harvesting good quantities of very good quality product.

**Sweet Corn**
- Harvesting a fair to decreasing quantity of good quality corn. Expect increased quality variations in the marketplace due to the annual cycle of insect pressures.

**Swiss Chard**
- Harvesting fair to good quality in fair to increasing volume.

**Tomatoes**
- New fields come into production with volume returning to normal for this time of the year. Harvesting a fair quantity of fair to good quality fruit.

**Radishes & Turnips**
- Very light to increasing volume. These temperature sensitive vegetables will start to increase in supply with cooler temperatures.

**White Potatoes**
- Harvesting mainly round white varieties, with some Yukon Gold, Redskin varieties, and a bit of Russets as well.

### Jersey Fresh Forecast

**Lettuces**
- Should begin harvesting about the third week of September.

**Spinach**
- Should begin harvesting about mid-September.

**Sweet Potatoes**
- Should begin harvesting about the third week of September.