



NJ-CW3612

## New Jersey Weather and Crop Bulletin

September 10, 2012

### Hay Cuttings were Delayed Due to Frequent and Heavy Rain

For the week ending Sunday, September 9, 2012, there were 5 days suitable for field work. Topsoil moisture was rated at 5% short, 85% adequate, and 10% surplus. Subsoil moisture was rated at 5% short, 90% adequate, and 5% surplus. Pasture and range condition was rated at 5% poor, 25% fair, 60% good, and 10% excellent. Temperatures reached highs in the low 90s and lows in the low 50s across the Garden State.

Hay cuttings were delayed due to frequent and heavy rain. Alfalfa hay third cuttings continued. Soybeans are dropping leaves. Corn was being chopped for silage. Harvesting vegetables continued. Tomato and pepper diseases were reported. Ear worms increased in sweet corn. Milk production was average and livestock condition was good. Horses were checked for West Nile disease. Other activities included equipment maintenance, some early corn beginning to be combined, hay work, and spraying for insects.

***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!***

### Climate summary for the week ending 8am 9/10/12

Temperatures averaged much above normal, averaging 71 degrees north, 74 degrees central, and 75 degrees south. Extremes were 90 degrees at New Brunswick on September 8, 2012, and 51 degrees at Belvidere on September 10, 2012.

Weekly rainfall averaged 2.01 inches north, 2.67 inches central, and 1.88 inches south. The heaviest 24 hour total reported was 2.77 inches at Toms River on September 4, 2012 to September 5, 2012.

Estimated soil moisture, in percent of field capacity, this past week averaged 96 percent north, 88 percent central, and 87 percent south.

Four inch soil temperatures averaged 73 degrees north, 75 degrees central, and 75 degrees south.

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**Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania  
Issued By Rutgers University- New Brunswick, NJ  
8 am EDT Monday, September 10, 2012**

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Rainfall amounts none through Tuesday. Winds for spraying north 10 to 15 mph today. North 5 to 10 mph tonight, variable 5 mph Tuesday.

Relative humidity in percent 25 to 35 today, 90 to 100 tonight, 25 to 35 Tuesday. Dew points upper 40s today, low to mid 40s tonight and Tuesday. Drying conditions very good today and Tuesday. Heavy dew tonight and Tuesday night. Percent of possible sunshine 90 today, 90 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. Hay cutting will be very good for this point in the season through most of the week. Conditions might be favorable for cranberry today and Tuesday. Temperatures in the bogs could fall to 29 to 33 tonight and 28 to 32 Tuesday night. This should aid in coloration of the berries. Growing degree day totals base 50 continue to run well ahead of normal.

The latest 8 to 14 day outlook for the period September 17, 2012 to September 23, 2012 is calling for temperatures to average below normal and precipitation to average near normal.

### Weather Summary for the Week Ending Monday, September 10, 2012

| Weather Stations      | Rainfall      |               |               | Temperatures Last Week |                |                |                | Growing Degree Days <sup>1</sup> |                  | Soil Moisture <sup>2</sup> |
|-----------------------|---------------|---------------|---------------|------------------------|----------------|----------------|----------------|----------------------------------|------------------|----------------------------|
|                       | Last Week     | Since March 1 |               | Max.                   | Min.           | Avg.           | Dept.*         | Total                            | Dept.*           |                            |
|                       |               | Total         | Dept.*        |                        |                |                |                |                                  |                  | Base 50°F                  |
| <b>North</b>          | <i>Inches</i> | <i>Inches</i> | <i>Inches</i> | <i>Degrees</i>         | <i>Degrees</i> | <i>Degrees</i> | <i>Degrees</i> | <i>Base 50°F</i>                 | <i>Base 50°F</i> | <i>Percent</i>             |
| Belvidere Bridge..... | 2.85          | 27.04         | 1.29          | 88                     | 51             | 71             | 6              | 2,820                            | 471              | 97                         |
| Canoe Brook.....      | 1.61          | 21.63         | -5.38         | 89                     | 56             | 73             | 7              | 3,147                            | 774              | 98                         |
| Charlotteburg.....    | 2.03          | 19.45         | -7.83         | 88                     | 52             | 70             | 8              | 2,790                            | 904              | 98                         |
| Flemington.....       | 1.57          | 25.44         | -0.48         | 89                     | 52             | 72             | 6              | 3,076                            | 642              | 94                         |
| Newton.....           | N/ A          | N/ A          | N/ A          | N/ A                   | N/ A           | N/ A           | N/ A           | N/ A                             | N/ A             | N/ A                       |
| <b>Central</b>        |               |               |               |                        |                |                |                |                                  |                  |                            |
| Freehold.....         | 0.84          | 23.90         | -1.34         | 89                     | 55             | 74             | 7              | 3,207                            | 632              | 77                         |
| Long Branch.....      | 4.00          | 31.02         | 5.43          | 85                     | 59             | 73             | 5              | 3,036                            | 519              | 95                         |
| New Brunswick.....    | 0.83          | 22.95         | -2.62         | 90                     | 54             | 74             | 6              | 3,291                            | 578              | 83                         |
| Toms River.....       | 6.34          | 25.34         | -0.80         | 88                     | 60             | 74             | 5              | 3,011                            | 496              | 84                         |
| Trenton.....          | 1.35          | 22.04         | -2.19         | 87                     | 60             | 74             | 5              | 3,412                            | 601              | 78                         |
| <b>South</b>          |               |               |               |                        |                |                |                |                                  |                  |                            |
| Cape May C.H.....     | 1.24          | 22.54         | -0.09         | 84                     | 60             | 73             | 3              | 2,792                            | 276              | 72                         |
| Downstown.....        | 1.38          | 18.78         | -5.07         | 89                     | 61             | 76             | 7              | 3,345                            | 526              | 80                         |
| Hammonton.....        | 1.98          | 23.30         | -1.64         | 88                     | 60             | 75             | 6              | 3,368                            | 569              | 91                         |
| Pomona.....           | 2.90          | 26.80         | 3.95          | 87                     | 60             | 75             | 8              | 3,240                            | 629              | 87                         |
| 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.

<sup>1</sup> Growing degree days since March 1, 2012, total and departure from normal or long term average.

<sup>2</sup> Estimated soil moisture as % of field capacity based on climate data.

<sup>3</sup> Data not available.

**JERSEY FRESH AVAILABILITY FOR SEPTEMBER 10, 2012**

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>APPLES</b>                     | The harvest of Gala, McIntosh, Courtland, Honeycrisp, Early Fuji, & Ginger Gold winding down. Red Delicious, Empire, Jonagold, and MacCoun harvesting. Golden Delicious & Rome starting next. Cool nights would help in the development of color in many varieties. A late April frost has had spotty and erratic effects upon the volume & quality of product available this year from the entire region. Expect volume to be off somewhat this Fall. Cider apples and availability to be similarly off. |
| <b>ARRUGULA</b>                   | Harvesting good quality in fair to increasing quantity as supply ramps up with a flush of Fall product.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>BABY SPINACH &amp; ARUGULA</b> | Harvesting very good quality in fair to good quantity.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>BASIL</b>                      | Harvesting good quality in fair volume.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>BEETS</b>                      | Harvesting good quality product in fair to good volume.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>CABBAGE</b>                    | Harvesting excellent quality product in light to increasing volume as we wait for a flush of Fall product that's due in about ten days.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>CILANTRO</b>                   | A fair volume of good quality product harvesting as supply rams up a bit over the next several weeks w/ a flush of Fall product.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COLLARDS/KALE</b>              | A fair to increasing volume of good quality products harvesting.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>CUCUMBERS</b>                  | Good quality Pickles & Cukes harvesting in light to fair volume w/ supply ramping up a bit with a flush of Fall product.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>DANDELIONS</b>                 | Good quality bunched Spring planted Italian and San Pasquale varieties both harvesting in fair quantity.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>DILL</b>                       | Harvesting very good quality in light to fair volume.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>EGGPLANT</b>                   | Harvesting very good quality product in very good supply.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ESCAROLE &amp; ENDIVE</b>      | Harvesting good quality products in light to increasing volume w/ the return of cooler weather. More volume in ten days or so.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>LEEKs</b>                      | A fair volume of good quality harvesting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MINT</b>                       | Harvesting a fair volume of excellent quality product.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>NECTARINES</b>                 | Finishing up.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>PARSLEY</b>                    | Harvesting a light to increasing volume of good quality curly and plain.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>PEACHES</b>                    | Harvesting a finishing supply of excellent quality late varieties. Brix levels are high due to our early hot and dry weather, so sweetness is ensured. Sizing and color are still good.                                                                                                                                                                                                                                                                                                                   |
| <b>PEPPERS</b>                    | Harvesting a good supply of good quality product. Hot peppers in rare quality due to great growing conditions.                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RADISHES &amp; TURNIPS</b>     | Harvesting good quality product in light to increasing volume as supply is ramping up a bit with the return of cooler weather.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>SPINACH</b>                    | A light to increasing volume of good quality product harvesting as supply will ramp up with a flush of Fall product in about ten days.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>SQUASH</b>                     | Very good quality green, yellow, acorn, butternut, & spaghetti squash harvesting in fair volume.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SWEET CORN</b>                 | Light to decreasing volume of good quality corn.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SWEET POTATOES</b>             | Harvesting and curing now. Volume will start to become available soon.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>SWISS CHARD</b>                | Harvesting a light to fair & increasing volume of very good quality product as supply is ramping up a bit with a flush of Fall product.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>TOMATOES</b>                   | Harvesting fair quality in light to decreasing volume.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**JERSEY FRESH FORECAST**

|                 |                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LETTUCES</b> | Growers should start harvesting their Fall crops in ten days or so, a little later than normal, because the mid-Summer heat discouraged early planting. |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|