Cool and Cloudy!

SOIL MOISTURE ACROSS NEW ENGLAND

<table>
<thead>
<tr>
<th>Soil Rating</th>
<th>This Week</th>
<th>Last Week</th>
<th>Last Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topsoil</td>
<td>3</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Short</td>
<td>9</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Adequate</td>
<td>77</td>
<td>72</td>
<td>77</td>
</tr>
<tr>
<td>Surplus</td>
<td>11</td>
<td>9</td>
<td>5</td>
</tr>
<tr>
<td>Subsoil</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Short</td>
<td>9</td>
<td>11</td>
<td>20</td>
</tr>
<tr>
<td>Adequate</td>
<td>78</td>
<td>75</td>
<td>74</td>
</tr>
<tr>
<td>Surplus</td>
<td>10</td>
<td>10</td>
<td>3</td>
</tr>
</tbody>
</table>

FIELD CROPS: Harvesting dry hay remained difficult with frequent rains. Second cutting was underway but 20 percent of first cutting still remained to be harvested. Manure was applied to harvested hay fields. Field corn continued to grow but varied from just emerged to shoulder height throughout the region. In Connecticut, more rain is needed for field corn to reach full potential. Growers applied fungicides on corn fields where necessary to protect against diseases. Tobacco growers scouted their fields for insect damage and potential blue mold and cultivated and applied top dressing. Shade tobacco harvest was just underway and both broadleaf and shade tobacco condition was rated good. In northern Aroostook County, European Corn Borer and Colorado Beetle egg masses were found and some were hatched in potato fields. Growers continued to spray insecticides on a five day spray schedule. Maine potato condition ranged from fair to excellent due to variation in water levels. Oats and barley were rated good to fair due to signs of stress from drought in northern Aroostook County of Maine.

FIELD CROP DEVELOPMENT ACROSS NEW ENGLAND

<table>
<thead>
<tr>
<th>Crop</th>
<th>2005</th>
<th>2004</th>
<th>5-yr Avg</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silage Corn</td>
<td>95</td>
<td>99</td>
<td>95</td>
<td>Good/Excellent</td>
</tr>
<tr>
<td>Sweet Corn</td>
<td>95</td>
<td>99</td>
<td>95</td>
<td>Good/Excellent</td>
</tr>
<tr>
<td>Barley, ME</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Good/Fair</td>
</tr>
<tr>
<td>Oats, ME</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Good/Fair</td>
</tr>
<tr>
<td>Potatoes</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Maine</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Fair/Excellent</td>
</tr>
<tr>
<td>Mass.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Good</td>
</tr>
<tr>
<td>Rhode Isl.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Good/Fair</td>
</tr>
<tr>
<td>Tobacco</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Broadleaf</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Good</td>
</tr>
<tr>
<td>Shade</td>
<td>&lt;5</td>
<td>&lt;5</td>
<td>0</td>
<td>Good</td>
</tr>
<tr>
<td>Dry hay, 1st cut</td>
<td>80</td>
<td>85</td>
<td>80</td>
<td>Good/Fair</td>
</tr>
<tr>
<td>Dry hay, 2nd cut</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>Good/Excellent</td>
</tr>
</tbody>
</table>

VEGETABLES: Vegetable growers continued behind schedule to finish planting sweet corn and late seasonal vegetables due to unfavorable conditions. Some sweet corn was harvested in the Connecticut River Valley. Vegetable growers continued to scout for Potato Leafhopper, Flea Beetles, Cabbage Worm, Corn Earworm, and European Corn Borer. An outbreak of Downy Mildew was reported in New Jersey and Delaware and recent weather conditions placed western Massachusetts at moderate risk. Producers harvested greens, lettuce, peas, radishes, summer squash and tomatoes. Growers were busy side dressing fields with fertilizer, cultivating, and weeding. Greenhouses started to sell vegetables but sales were down due to a cool and cloudy week so inventory remained full.
### Air Temperatures in Degrees Fahrenheit.

**Precipitation Days = Days with precip of 0.01 inch or more.**

**Precipitation (rain or melted snow/ice) in inches.**

**DFN = Departure from Normal (Using 1961-90 Normals Period).**

**For the Week Ending Sunday, July 10, 2005**

**To:** Sunday July 10, 2005

**For the Period:** Monday July 4, 2005

**Prepared By AWIS, Inc.**

- **MAINE**
  - Augusta State A 53 80 64 -0.5 716 -67 290 +59 1.51 +0.79 4 4.21 +1.20 17
  - Bangor_Intl_Arp 50 82 65 -3 740 +46 287 +106 0.46 -0.31 3 2.33 -0.75 9
  - Bethel 49 83 64 -4 678 -32 259 +72 1.65 +0.82 4 5.74 +2.18 15
  - Caribou Municip 47 86 66 +2 646 +81 258 +140 1.52 +0.67 2 3.45 +0.46 9
  - Dover-Foxcroft 50 81 62 -5 569 -18 217 +90 1.37 +0.53 3 4.26 +0.82 10
  - Frenchville 47 86 66 +3 634 +117 256 +162 1.79 +0.96 2 4.69 +1.61 11
  - Houlton 41 84 64 -2 627 +45 245 +119 0.68 -0.16 4 3.15 +0.00 15
  - Livermore Falls 50 83 65 -1 694 +105 290 +165 1.53 +0.75 4 4.18 +0.59 13
  - Moosehead 47 85 64 +5 528 +60 194 +115 1.58 +0.67 4 3.87 +0.17 14
  - Portland ME 53 77 64 -5 681 +5 263 +94 1.50 +0.77 5 5.60 +2.50 17

- **NEW HAMPSHIRE**
  - Benfon 51 83 65 -2 703 +22 275 +118 1.71 +0.93 4 5.58 +2.19 14
  - Berlin_AG 49 84 65 -2 725 +50 297 +132 1.49 +0.65 4 4.10 +0.42 13
  - Concord 53 87 68 -2 897 +83 392 +143 1.50 +0.80 4 5.84 +2.92 15
  - Diamond_Pond 52 77 63 +2 543 +130 204 +157 2.12 +1.07 4 7.20 +2.89 16
  - Keene_AP 54 84 68 -3 899 +46 386 +56 1.77 +0.99 4 6.72 +3.42 14
  - North_Conway 53 86 66 -3 756 +2 310 +95 1.03 +0.19 3 4.17 +0.58 15
  - Rochester 50 84 65 -6 756 -121 302 +14 1.77 +1.00 4 5.63 +2.44 15

- **VERMONT**
  - Burlington_Intl 58 86 71 +1 1032 +136 481 +177 2.64 +1.86 4 5.75 +2.46 12
  - Island_Pond 52 81 66 +3 714 +180 298 +196 1.77 +0.82 3 7.74 +3.79 14
  - Montpelier 53 81 67 +2 840 +155 366 +181 2.58 +1.83 4 6.93 +2.87 17
  - Pomfret 51 82 66 -2 848 +124 334 +153 1.94 +1.01 4 5.74 +1.72 13
  - Rochester 48 85 66 +1 803 +145 338 +178 1.77 +0.93 4 6.15 +2.76 13
  - Rutland_AG 52 84 67 -4 866 -82 374 +45 2.41 +1.57 4 6.91 +3.55 15
  - Sutton 50 83 65 +2 700 +163 289 +178 2.17 +1.22 4 6.92 +2.97 15
  - Townshend_Lake 53 84 68 -3 862 -4 369 +87 1.32 +0.62 5 6.36 +3.54 17

- **MASSACHUSETTS**
  - Ashburnham 54 84 66 -2 862 +135 358 +161 2.46 +1.62 4 5.72 +2.36 16
  - Boston/Logan_In 56 88 71 -7 933 -119 405 +12 3.19 +2.56 4 3.62 +0.89 8
  - Greenfield 53 83 68 -4 950 -71 412 +36 2.42 +1.58 5 6.70 +3.22 15
  - New_Bedford 50 77 65 -8 817 -218 297 -76 0.80 +0.11 5 2.76 -0.33 13
  - Otis_AFB 57 82 69 -1 1005 +217 432 +197 1.32 +0.68 4 2.25 -0.29 9
  - Plymonth 50 82 65 -6 814 -23 339 +71 1.44 +0.67 5 2.20 -0.91 12
  - Walpole 54 85 67 -4 945 +52 401 +106 1.98 +1.21 5 2.84 +0.55 11
  - Chicopee/Westov 55 83 69 -6 1113 -72 494 +17 1.30 +0.46 3 3.95 +0.33 14
  - Worthington 50 83 65 -3 800 +87 314 +131 1.02 +0.06 4 5.97 +2.31 16

- **RHODE ISLAND**
  - Providence 55 83 68 -5 1012 +27 427 +73 0.75 +0.05 3 1.47 -1.51 11
  - Woosocket 53 85 67 -5 962 +85 402 +127 1.79 +0.88 5 3.05 -0.66 16

- **CONNECTICUT**
  - Bridgeport/Siko 59 83 70 -4 1099 +36 441 +33 1.93 +1.09 5 4.29 +1.03 10
  - Hartford/Bradley 55 84 70 -4 1175 +38 533 +78 3.17 +2.43 4 5.76 +2.50 14
  - Norwalk 52 79 65 -3 836 +124 325 +141 1.34 +0.36 4 3.78 -0.35 13
  - Thomaston_Dam 55 82 68 -2 997 +111 421 +139 2.74 +1.83 5 5.90 +2.20 16
  - Willimantic 53 82 67 -3 1007 +110 414 +126 1.02 +0.11 5 1.87 -1.69 13

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**Summary based on NWS data.**


- Precipitation (rain or melted snow/ice) in inches.

- Precipitation Days = Days with precip of 0.01 inch or more.

- Air Temperatures in Degrees Fahrenheit.

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**STATE WEATHER SUMMARY**

For the Week Ending Sunday, July 10, 2005

<table>
<thead>
<tr>
<th>State</th>
<th>Air Temperatures</th>
<th>Precipitation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L</td>
<td>HI</td>
</tr>
<tr>
<td>ME</td>
<td>41</td>
<td>88</td>
</tr>
<tr>
<td>NH</td>
<td>40</td>
<td>94</td>
</tr>
<tr>
<td>VT</td>
<td>48</td>
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<td>47</td>
<td>88</td>
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<tr>
<td>RI</td>
<td>52</td>
<td>85</td>
</tr>
<tr>
<td>CT</td>
<td>51</td>
<td>84</td>
</tr>
</tbody>
</table>

Prepared by AWIS, Inc.
New England Agricultural Statistics, NASS, USDA

Crop Weather, July 11, 2005 – 3

REPORTERS COMMENTS, By County: Reporters are from extension Service (Ext), Farm Service Agency (FSA), Natural Resources Conservation Service (NRCS), or other knowledgeable individuals.

CONNECTICUT - Howard Rood (FSA), Fairfield/Litchfield: Rain and scattered thunderstorms all week. Field corn and second cutting of hay look good. Hay is still a lot wet. Tom Henley (FSA), Torrington: Reporters talked to the NRCS, or other knowledgeable individuals. This year. So far, no apple maggots captured on red sphere traps. Ross Eddy (FSA), Hartford/Tolland: Delicate weather for haying early in the week. Some fields are starting to dry out. Vegetable growers are finding plenty of blooms, honey supers going on. John Devine (FSA), Franklin: Another night of wild weather affected crops in Franklin County. Producers have reported that heavy rain caused flooding in southern sections of the county. Hay baling continued this week. Farmers got 4+ inches of rain in a 45 minute downpour. This storm caused a lot of ponding and washouts. Vegetable growers have reported that disease pressure has increased significantly with the hot muggy weather. Tobacco growers are scouting their fields for flea beetles. Blueberries and potato crops look great right now. Ted Smiarowski (FSA), Hampshire/Hampden: Heavy rains arrived this past week with some areas receiving over two and a half inches. All growers are initiating fungicide applications to protect against crop diseases. An outbreak of Downy Mildew was reported in NJ and Delaware and weather events have put western MA at moderate risk. This is a big concern to vine crop producers. Vegetable growers are scouting for Potato Leafhopper, Flea Beetles, cabbage worm, corn earworm and European Corn Borer. All crops are growing very fast and look good. Harvesting sweet corn, raspberries, blueberries, lettuce, cabbage and greens. Tobacco is being top-dressed and cultivated. Gary Guida, Worcester: Heavy rains in this area have prevented growers from successfully planting potatoes. Rainfall was above normal for the month. Squash, lettuce, beans look good first sweet corn in county harvested and excellent. More warm weather and possible storms coming up the coast. Joyce Meader (Ext), Windham: Crops are happy - water and sun and nutrients - what more can a plant want? Unfortunately, some weeds are very happy also. Richard Meinert (Ext), CT Cooperative: A month's worth of rain in 4 days. Low lying fields in a lot of areas were flooded. Farmers did little this week except watch the rain keep falling.

MAINE - Marvin Hedstrom, Northern Aroostook: Potatoes and small grains: This has been a dry week with growers wishing for some rain. Dry conditions have slowed plant growth but showers on Saturday helped the situation. Gary reports that no one is spraying potato beetles. Forage crops are very happy also. Southern Aroostook: Potatoes and small grains: There have been European Corn Borers and Colorado Potato Beetle egg masses found and some that have hatched. Farmers have sprayed for these this week and will treat again next week. They have been getting a lot of moving dusting due to the lack of Adequate moisture. Carole Dow, Caribou: Generally warm all week, with a few bright, sunny days. Corn continues to grow well, much of it now shoulder-high. A few good drying days, but making dry hay is still a challenge. Many alfalfa/grass fields ready for spraying, but late planted beans and raspberries this week. First plantings of sweet corn starting to tassel. Steve Tura (Ext), Coos: Good re-growth of hay lands. Pasture doing well with past week's rain, corn also coming along. Raspberries and blueberries beginning to ripen. More local veggies now coming into markets. Bees foraging actively, plenty of blooms, honey supers going on. George Hamilton (Ext), Hillsborough: Fruit: Fruit growers monitoring pest and crop development and apply sprays for pest control, if needed. Also, early varieties are still picking from the vines, as weather was very uncooperative...wind, fog, drizzle. Things had been dry until a good soaking on Friday with the remainder of the week being wet. Hay: Field corn planted in early May is looking good so far, but the weather has not been good for the bees to pollinate either. John Devine (FSA), Franklin: Another night of wild weather affected crops in Franklin County. Producers have reported that heavy rain caused flooding in southern sections of the county. Hay baling continued this week. Farmers got 4+ inches of rain in a 45 minute downpour. This storm caused a lot of ponding and washouts. Vegetable growers have reported that disease pressure has increased significantly with the hot muggy weather. Tobacco growers are scouting their fields for flea beetles. Blueberries and potato crops look great right now. Ted Smiarowski (FSA), Hampshire/Hampden: Heavy rains arrived this past week with some areas receiving over two and a half inches. All growers are initiating fungicide applications to protect against crop diseases. An outbreak of Downy Mildew was reported in NJ and Delaware and weather events have put western MA at moderate risk. This is a big concern to vine crop producers. Vegetable growers are scouting for Potato Leafhopper, Flea Beetles, cabbage worm, corn earworm and European Corn Borer. All crops are growing very fast and look good. Harvesting sweet corn, raspberries, blueberries, lettuce, cabbage and greens. Tobacco is being top-dressed and cultivated. Gary Guida, Worcester: Heavy rains in this area have prevented growers from successfully planting potatoes. Rainfall was above normal for the month. Squash, lettuce, beans look good first sweet corn in county harvested and excellent. More warm weather and possible storms coming up the coast. Joyce Meader (Ext), Windham: Crops are happy - water and sun and nutrients - what more can a plant want? Unfortunately, some weeds are very happy also. Richard Meinert (Ext), CT Cooperative: A month's worth of rain in 4 days. Low lying fields in a lot of areas were flooded. Farmers did little this week except watch the rain keep falling.

NEW HAMPSHIRE - Amy Ouellie (Ext), Belknap: Strawberry harvest was at its peak with very flavorful, sweet berries. Many strawberry growers were being thwarted by rains and drizzle. Weather was perfect for field work. Tina Savage (Ext), Carroll: Some haying done early in the week. First cut near to complete. Vegetables still about a week or two behind. Second cut growing well due to adequate moisture. June Card, Carroll: Generally warm all week, with a few bright, sunny days. Corn continues to grow well, much of it now shoulder-high. A few good drying days, but making dry hay is still a challenge. Many alfalfa/grass fields ready for spraying, but late planted beans and raspberries this week. First plantings of sweet corn starting to tassel. Steve Tura (Ext), Coos: Good re-growth of hay lands. Pasture doing well with past week's rain, corn also coming along. Raspberries and blueberries beginning to ripen. More local veggies now coming into markets. Bees foraging actively, plenty of blooms, honey supers going on. George Hamilton (Ext), Hillsborough: Fruit: Fruit growers monitoring pest and crop development and apply sprays for pest control, if needed. Also, early varieties are still picking from the vines, as weather was very uncooperative...wind, fog, drizzle. Things had been dry until a good soaking on Friday with the remainder of the week being wet. Hay: Field corn planted in early May is looking good so far, but the weather has not been good for the bees to pollinate either. John Devine (FSA), Franklin: Another night of wild weather affected crops in Franklin County. Producers have reported that heavy rain caused flooding in southern sections of the county. Hay baling continued this week. Farmers got 4+ inches of rain in a 45 minute downpour. This storm caused a lot of ponding and washouts. Vegetable growers have reported that disease pressure has increased significantly with the hot muggy weather. Tobacco growers are scouting their fields for flea beetles. Blueberries and potato crops look great right now. Ted Smiarowski (FSA), Hampshire/Hampden: Heavy rains arrived this past week with some areas receiving over two and a half inches. All growers are initiating fungicide applications to protect against crop diseases. An outbreak of Downy Mildew was reported in NJ and Delaware and weather events have put western MA at moderate risk. This is a big concern to vine crop producers. Vegetable growers are scouting for Potato Leafhopper, Flea Beetles, cabbage worm, corn earworm and European Corn Borer. All crops are growing very fast and look good. Harvesting sweet corn, raspberries, blueberries, lettuce, cabbage and greens. Tobacco is being top-dressed and cultivated. Gary Guida, Worcester: Heavy rains in this area have prevented growers from successfully planting potatoes. Rainfall was above normal for the month. Squash, lettuce, beans look good first sweet corn in county harvested and excellent. More warm weather and possible storms coming up the coast. Joyce Meader (Ext), Windham: Crops are happy - water and sun and nutrients - what more can a plant want? Unfortunately, some weeds are very happy also. Richard Meinert (Ext), CT Cooperative: A month's worth of rain in 4 days. Low lying fields in a lot of areas were flooded. Farmers did little this week except watch the rain keep falling.

RHODE ISLAND - Melissa Turrisi: The past week brought some much needed rain. Strawberry season is coming to an end. Producers have begun harvesting early crops of beans, peas and potatoes. Summer
vegetables look good in terms of both color and growth. Farmers are waiting anxiously to begin picking sweet corn which may be ready as early as next week.

VERMONT - John St. Onge/Kim Peterson (FSA), Lamoille: Week ended on a much needed wet note with a good 2.5 inches of rain falling. Second cut of grass is underway and is looking good. The corn crop's recent rapid growth seems to have had a beneficial effect on weed control. Overall, all crops are looking very good for this point in the season. Dave Blodgett (NRCS), Orleans: It was another good week for cropping. Some late first cut hay is being harvested as dry square bales. A lot of landowners have begun 2nd crop. The crop looks really good at this point. Soil moisture is still adequate and on some fields excessive. Saturday's rain helped to assure this. All in all it's turning out to be a good crop year. Perley Sparrow (FSA), Windham: Another rainy week in Windham County. Field conditions with scattered afternoon thunderstorms arrived at month's end, which promoted good growth on second crop hay, but provided less than ideal drying conditions for first crop harvest. Shade tobacco was all transplanted by the first week in June, ahead of last year and normal, and crop condition was reported good. Broadleaf tobacco growers were setting out the last of the tobacco plants, top-dressing and cultivating at the end of June, and the crop condition was also rated good. New England fruit trees were hit with cold, wet weather during pollination in May this year; however, crop conditions remain good or fair throughout most of the region. Orchardists scouted for disease and insect pests and applied protective fungicides and insecticides as needed. Strawberry harvest was underway in most areas by mid-June, from one to two weeks late due to the unusual cool spring. Crop conditions were extremely variable throughout the region, ranging from fair to very poor in Massachusetts and good to fair elsewhere. Highbush blueberries were at full bloom or petal fall by midJune, and dry conditions provided excellent pollinating conditions in most areas. Specialists rated the berries in good to excellent condition at month’s end. Wild blueberry bloom was delayed two weeks by cool, wet spring weather. Heat and sun advanced crop development closer to normal, however, fruit set was variable and disease symptoms were more prevalent by month’s end. Massachusetts cranberry bogs were in full bloom by late June and excellent pollinating conditions moved the crop condition from fair to good. Vegetable growers were active seeding successive plantings of sweet corn all month long, and crop conditions were good to excellent region wide. The month finished up with a storm on June 29th, which brought heavy winds and hail along the Connecticut River, and a small tornado touched down in western Massachusetts.

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Aubrey R. Davis, Director
Travis Averill, Statistician

Gerald Tillman, Deputy Director
Deirdre Davis, Stat Assistant

ADDRESS SERVICE REQUESTED

POST OFFICE BOX 444
CONCORD, NH 03302-444

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