

## New England Agricultural Statistics Service

a field office of the National Agricultural Statistics Service United States Department of Agriculture

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## **Crop Weather**

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August 26, 2002 - 4 pm

For week ending 8/25/02

## Cooler Temperatures, Light Rain Bring Minimal Relief

GENERAL CONDITIONS: For the week ending August 25, 2002, there were 6.5 days suitable for field work across New England. Pasture condition was rated as 11% very poor, 39% poor, 36% fair, 12% good, 2% excellent. Localized showers arrived last week, though were not enough to significantly improve parched crops or water levels. Much more rain is needed in New England. Temperatures and humidity decreased from the previous week, improving the condition of some fruit crops. Major farm activities included: harvesting tobacco, potatoes, oats, barley, highbush and lowbush blueberries, apples, peaches, pears and vegetables; spreading manure; cutting dry hay and chopping haylage; irrigating; monitoring for pests and disease; applying fungicides and insecticides.

FRUIT: The harvest of apples, highbush and wild blueberries, peaches, plums and raspberries continued last week. Fruit had been ripening rapidly in the hot, humid weather of the previous week, but ripening slowed a little with last week's cooler temperatures. Most fruit crops continued to be irrigated last week, where needed and where available. Apples were rated in poor condition in Massachusetts due to earlier hail damage. Maine wild blueberry growers will be wrapping up harvest shortly; last week's cooler temperatures helped improve berry quality. The quality of Massachusetts cranberries is looking better than expected, though growers remain concerned about water supplies as frost season approaches.

## FRUIT CROP DEVELOPMENT ACROSS NEW ENGLAND

	Per	cent Harves		
Crop	2002	2001	5-yr Avg	Condition
Apples	15	15	10	Good/Fair
Peaches	75	60	60	Good/Fair
Pears	10	5	10	Very Poor/Poor
Blueberries Highbush Wild, ME	95 90	80 85	85 80	Good Good
Cranberries, MA				Good/Fair

**VEGETABLES:** Vegetable yields have been reported as below average in many areas due to lack of rain. Growers irrigated last week, though some crops are past the point of help. Sweet corn harvest progressed to 60 percent complete as of August 25. Growers in some areas are finding that ear size is smaller than normal due to dry conditions. Last week growers harvested many summer vegetables including beans, cucumbers, greens, squash, sweet corn and tomatoes.

SOIL MOISTURE ACROSS NEW ENGLAND

Soil Rating	This Week	Last Week	Last Year				
	Percent						
Topsoil Moisture	0.5	20	00				
Very Short	35	36	29				
Short	42	34	49				
Adequate	23	28	22				
Surplus	0	2	0				
Subsoil Moisture							
Very Short	32	25	35				
Short	41	42	39				
Adequate	27	31	26				
Surplus	0	2	0				

FIELD CROPS: Hay condition declined from the previous week as fields left to be cut continued to burn and brown in the dry ground. Corn growth has slowed drastically in the hot, dry conditions; harvest should get underway soon. Grain harvest in Maine is currently underway, behind last year and normal schedules. Most of Aroostook County, Maine is still preparing for fall potato harvest; brief showers last week improved crop condition. Massachusetts and Rhode Island potato harvests approached the half-way mark, and both crops remain in good to fair condition. Tobacco growers in the Connecticut River Valley had good weather for harvest last week, and both shade and broadleaf progressed to 90+ percent harvested.

FIELD CROP DEVELOPMENT ACROSS NEW ENGLAND

Crop	2002	2001	5-yr Avg	Condition
Barley, ME	15	35	30	Excellent/Good
Oats, ME	10	25	25	Excellent/Good
Potatoes Maine Mass Rhode Isl	<5 35 45	<5 20 50	<5 35 30	Good/Excellent Good/Fair Good/Fair
Silage Corn Sweet Corn	 60	<5 65	<5 60	Good/Fair Fair/Good
Tobacco Shade Broadleaf	95 90	75 80	90 85	Good/Fair Good/Fair
Dry Hay First Cut Second Cut Third Cut	99 85 45	100 85 35	99 75 30	Good Good/Fair Fair

For the Week Ending Sunday, August 25, 2002

The 41 stations shown below are limited by space but are well distributed across the region. All 86 stations appear on the Internet and in e-mail subscriptions.

	AIR TEMPERATURE		F	CUM SINCE MAR 1 GROWING DEGREE DAYS			1-WEEK PRECIP			4-WEEK CUM PRECIP				
STATI ON			AVG	-		E-50F		E-60F	TOTAL I NCHES		DAYS	TOTAL I NCHES	DFN	DAYS
MAINE Augusta_State_A Bangor_Intl_Arp Bethel Cari bou_Municip Dover-Foxcroft Frenchville Houlton Livermore_Falls Moosehead Portland_ME	51 47 49 44 42 46 41 44 41 51	91 91 91 85 89 85 87 95 89	69 68 67 63 64 62 62 67 62 69	+3 +4 +3 +2 +0 +2 +0 +5 +1	1537 1284 1246 1184 1315 1608 1171	+81 +125 +27 +45 -80 +33 +21 +302 +66 +199	722 625 478 440 440 493 699 384	+145 +175 +94 +126 +28 +139 +101 +306 +99 +206	0. 39 0. 45 0. 28 0. 28 0. 49 2. 11 0. 17 0. 32 0. 50 0. 25	-0. 37 -0. 32 -0. 63 -0. 63 -0. 35 +1. 18 -0. 75 -0. 65 -0. 34 -0. 40	3 4 4 2 4 2 2 4 3 3	1. 05 0. 99 1. 24 0. 65 1. 03 2. 60 1. 43 0. 80 1. 18 0. 69	-1. 99 -2. 00 -2. 35 -3. 07 -2. 23 -1. 12 -2. 26 -2. 85 -2. 23 -1. 85	7 9 11 7 8 9 10 10 8 7
NEW_HAMPSHIRE Benton Berlin_AG Concord Diamond_Pond Keene_AP North_Conway Rochester	47 47 49 46 46 51 52	91 91 96 83 91 90 94	65 65 70 60 67 68 69	+3 +2 +5 +2 -1 +4 +2	1467 1983 1032 1928 1812	+146 +58 +304 +79 +58 +243 +131	562 961 316 893 845	+199 +108 +304 +128 +97 +272 +158	0. 76 0. 29 0. 63 0. 56 1. 84 0. 43 0. 56	-0. 15 -0. 69 -0. 11 -0. 59 +0. 98 -0. 48	3 3 4 3 4 5 3	1. 07 1. 42 0. 79 1. 71 3. 47 0. 81 1. 00	-2. 53 -2. 47 -2. 26 -2. 91 -0. 07 -2. 82 -2. 26	7 9 10 8 8 13 5
VERMONT Burlington_Intl Island_Pond Montpelier Pownal Rochester Rutland_AG Sunderland Sutton Townshend_Lake	51 44 46 50 47 47 46 48 50	93 88 88 85 90 89 91 88 93	68 63 65 64 66 65 63	+2 +3 +0 +1 +1 -3 -2 +3 +0	1369 1584 1653 1569 1690 1590	+194 +213 +164 +182 +179 -164 -188 +243 +77	505 640 681 640 717 637 531	+217 +211 +182 +193 +198 -59 -74 +223 +107	0. 69 0. 94 0. 81 0. 67 1. 01 0. 78 1. 56 0. 45 1. 19	-0. 22 -0. 15 -0. 07 -0. 31 -0. 04 -0. 18 +0. 65 -0. 60 +0. 28	3 3 2 3 3 3 5 4	1. 26 2. 01 1. 93 3. 17 1. 62 1. 75 2. 80 1. 72 2. 05	-2. 39 -2. 39 -1. 52 -0. 68 -2. 51 -2. 05 -0. 64 -2. 60 -1. 52	10 10 11 9 8 7 9 12 8
MASSACHUSETTS Ashburnham Boston/Logan_I n Greenfi el d New_Bedford Oti s_AFB Pl ymouth Wal pol e Chi copee/Westov Worthi ngton	52 58 52 54 55 53 50 52 49	93 95 92 90 90 93 97 90	69 72 69 71 71 69 70 71 65	+5 +2 -1 -2 +3 +1 +3 -2 +0	2415 2091 2159 2049 2070	+34 +321 +280 +352 +44	1290 1019 1043 977 1005 1101 1205	+129 +37 +260 +241	0. 74 1. 10 0. 58 0. 54 0. 35 0. 89 1. 64 0. 63 0. 54	-0. 03 +0. 33 -0. 26 -0. 44 -0. 42 -0. 03 +0. 73 -0. 20 -0. 37	4 4 4 5 3 5 4 4 3	2. 24 1. 25 3. 92 0. 90 0. 89 1. 32 2. 18 1. 82 1. 46	-0. 96 -1. 64 +0. 56 -2. 82 -2. 12 -2. 18 -1. 31 -1. 32 -2. 34	10 7 9 8 5 8 6 9
RHODE_I SLAND Provi dence Woonsocket	57 50	94 94	74 71	+4 +4		+401 +365			0. 83 1. 41	-0. 01 +0. 50	4	1. 47 1. 77	-1. 77 -1. 87	6 6
CONNECTICUT Bri dgeport/Si ko Hartford/Bradle Norfolk Thomaston_Dam Willimantic	61 55 53 52 52	93 96 85 95 94	74 72 67 70 70	+3 +2 +3 +3	2467 1933 2163	+320 +272 +438 +387 +384	1319 892 1065	+264 +383 +354	0. 54 0. 83 1. 19 1. 27 0. 86	-0. 16 -0. 01 +0. 14 +0. 29 +0. 00	3 3 5 3 4	1. 81 1. 74 2. 34 2. 44 2. 16	-1. 20 -1. 47 -1. 73 -1. 39 -1. 41	6 6 10 8 7

Summary based on NWS data.
DFN = Departure From Normal (Using 1961-90 Normals Period).
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, August 25, 2002

		Air Tem	perature	Precipitation		
State	LO	HI	LO	HI		
ME	40	96	65	+2	0.00	2.11
NH	39	99	66	+2	0.29	1.84
VT	40	96	65	+1	0.33	1.56
MA	46	97	70	+2	0.16	1.70
RI	50	94	72	+3	0.00	1.41
СТ	51	96	71	+2	0.25	1.27

Prepared by AWIS, Inc.

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

CONNECTICUT - Howard Rood (FSA), Fairfield/Litchfield: Rain in the middle of the week helped fruit and vegetable crops suffering from the drought. Field corn looks good. Dawn Pindell (FSA), Windham: Finishing blueberries. Starting picking early apples. Irrigating. Not much to mow, but working on third and fourth cutting. Getting fields ready for seedings. Livestock and crops to local fairs. Corn on gravel soil is suffering. Need rain to size up fruit. Vegetables on plastic holding moisture. Legumes mature with little growth. NEED RAIN. Nancy Welsh/Karen Lockman (FSA), New Haven: Temps have cooled down. Two nights of downpours has helped some crops, but was too late for others. We need a lot more rain to catch up on precipitation we have not had. Mums are for sale. Richard Meinert (Ext), CT Cooperative: Dry weather continues with no relief in sight. Crops are withering in the fields. Irrigation is saving vegetables, but field crops are in sorry shape in a lot of areas. Farmers are beginning to harvest field corn, particularly the drought damaged corn that hasn't eared.

MAINE - Marvin Hedstrom, Northern Aroostook: Potatoes: Normal spraying schedule kept. Preparing harvesting equipment and storage. Harvesting small grains. Windrowing canola. Showers during the week have improved drought conditions. Crop is responding to the moisture. Potato crop in general looks pretty good this week. Grain yields are better than average. Pam Hickey (Ext), Central Aroostook: Grain harvest going on. Early potatoes being harvested. Vine dessication going on. Continuing fungicide and aphicide spray schedule. Steve London (Ext), Southern Aroostook: Potato growers are applying fungicides and some insecticides. Potatoes are showing drought stress, need more water desperately. No blight has been found in this area. Albert Dow (NRCS), Piscataquis: Very little rain. Grain is being harvested. Vegetable production is very good. Donna Lamb (Ext), Piscataquis: Crops are very dry. Have had on occasion light rain, but it has not been enough. Janet King (FSA), Somerset: Need rain very badly for our crops and wells. Rick Kersbergen (Ext), Waldo: Dry weather continues with only 1/4 inch rain during one evening. Corn still shows drought stress. Trudy Soucy (FSA), Knox/Lincoln: Only a few blueberry fields left to harvest. Sweet corn showing stress from drought. Half an inch of rain fell over the weekend, but more is needed. David Yarborough (Ext), Washington: Wild Blueberries: Cooler temperatures have improved fruit quality. Most growers expect to finish harvesting this week. Michael Tardy (FSA), Androscoggin: The broken record continues. Please give us some rain, please give us moisture for our crops. Some corn producers are harvesting corn now because of the dry weather. We've had calls about curling corn, brown corn, short corn, no ears and small ears. Some of the farms we've visited have poor corn - either burning up or three feet tall. Many of our silage corn growers will have little grain in their corn. Apples are doing fine, with one or two growers experiencing hail damage. The market garden folks are doing okay; there seems to be plenty of cukes and squash. Hang on for the final few laps. Parker Rand (FSA), Cumberland/York: We're still very dry, some are reporting their irrigation systems just cannot keep up. There is some hay being harvested along with summer vegetables. Apples just starting to be picked. Elaine Moceus (FSA), Franklin: Another dry week with some light rain. Several producers have reported their livestock wells are dry. We need rain! Haying is continuing steadily. Laura Rand (FSA), Oxford: Early apples are being harvested along with potatoes. Hay fields are turning brown due to a lack of water. Sweet corn being harvested; however, ears are small and plants are in varied stages of growth due to lack of moisture.

MASSACHUSETTS - Arthur Williams (FSA), Berkshire: Still harvesting first, second and third cut hay. Alfalfa yield is the only OK grass. A little rain, 0.75 inches for the week. Kip Graham (FSA), Worcester: Most field corn is tasseling. Lack of rain producing smaller yields. Second cutting of hay about finished. Third cutting underway. Apple crops beginning to be harvested. Due to hail in many areas, apple crop is poor. Sweet corn harvest

in full swing. Some moisture stress seen in field and sweet corn. Hot and dry weather continues to affect crop growth. Particularly where there is no irrigation, crops have slowed way down. Frank Caruso (Ext), Plymouth: Cranberries: Three rain episodes within the past week, but each was only 0.2 inches in most locations. We need considerably more on a regular basis. At this point, rain that falls will be too late to properly size up the early varieties, but could still help the later varieties. Crop estimate for Massachusetts is 1.78 million barrels, a VERY optimistic estimate made back in July. Only a miracle would see that come to fruition. So far, fruit quality in the field is better than anticipated, but that could change in a moment's notice. John Devine (FSA), Franklin: Showers on Saturday allowed many farms to start fall tillage projects that have been delayed. Field conditions are still really dry and dusty. Silage corn is starting to curl on most fields and hay yields are decreasing. Several producers have called about their fall crops, dry weather is affecting vine cover on hard squash and pumpkins. On a brighter note, this has been excellent weather for tobacco harvesting. Most broadleaf farms will finish this week. Ted Smiarowski, Jr. (FSA), Hampshire/Hampden: Summer drought continues with the week ending with a light rainfall and cooler temperatures. Many crop yields are reduced because of the drought conditions. Farmers who are irrigating are reporting irrigation ponds and streams drying up. Fall crops including apples, potatoes, pumpkins and winter squash are at a critical stage of fruit development where irrigation or a very good rainfall is needed. Gary Guida, Worcester: Rain finally on Saturday, but only enough to get weeds growing and help sweet corn out a little. Most crops way past point of recovery. Harvesting drought tolerant corn again as two sections scheduled to come in are lost. Pumpkins loved the little rain we got, size and yields are low this year (goes without saying). Mums are here and are appearing throughout area. Corn and tomatoes - big sellers.

**NEW HAMPSHIRE - Tina Savage (Ext), Carroll:** A few showers signaled a break in the weather pattern. While a welcome relief from hazy, hot and humid, the showers were not enough to provide any significant moisture. Blueberry picking continues in full force, while farmers markets are bursting with tomatoes, squash and cucumbers. Carl Majewski (Ext), Cheshire: Mostly dry weather with a welcome spell of rain showers Saturday afternoon and night. Field corn still maturing well - late milk stage. Third cut haylage starting to wind down. Third cut hay continues, and there's still some second cut hay waiting to be harvested. Regrowth on grass fields is slow due to dry conditions. Harvest of early apple varieties has begun. Steve Turaj (Ext), Coos: Weather remains warm during the day but is much colder at night. Still dry, only light scattered showers this week. Silk on field corn generally drying down. Replanted shorter season varieties beginning to tassel. Moisture stress seen on those in sandy soils. Both corn and grasses can use some rain. Sweet corn now more available as are other summer vegetables. Blueberries look good this year. PYO continues. Hot, dry weather bringing some mite problems in Christmas trees, necessitating control. Some local farms beginning to prepare for Lancaster Fair coming this weekend. Tom Buob (Ext), Grafton: Dry weather continues to affect crop growth despite half-inch of rain. Still very dry. Third cut continues; summer seedings completed or in progress. George Hamilton (Ext), Hillsborough: Fruit: Peach, plum, Paula red apple, and fall raspberry harvest continued. With very hot weather occurring, peaches and other fruit crops are ripening rapidly. It's hard to stay ahead of harvesting fruit before it turning soft. Blueberry harvest winding down. Vegetables: Harvesting wide array of vegetables. With very hot weather, crops ripening quickly. Farmers kept busy monitoring pest pressures and spraying pesticides for insects and diseases. Field Crops: Hayfield cutting continued. Weather: Drought conditions throughout the county with three localized showers occurring during the week - gave temporary local relief, but not for long. Where irrigation is not available, all crops are suffering. David Seavey (Ext), Merrimack: Farmers are irrigating all crops. Crops located away from the farm are suffering. Christmas trees and fruit trees are showing stress. Producers are

doing a good job of controlling competitive weeds. Warm season vegetable harvest continues. The quality of second cut hay has declined dramatically as fields continue to dry up. Severe drought has resulted in losses of field corn and sweet corn. Sun scald on peppers, blossom-end rot of tomatoes, poor growth of raspberry canes, and several other problems are now surfacing as the drought continues. Nada Haddad (Ext), Rockingham: Harvesting early apple varieties, blueberries, raspberries, sweet corn and a whole array of vegetables. Pick-Your-Own apple orchards are getting ready to open for PYO on Labor Day weekend. We had very little relief from the small amount of rain received this week. Many non-irrigated crops show drought signs. Irrigating vegetables, small fruits and tree fruits. Waiting for wetter weather to start seeding some pasture and hay fields. Pam Marvin (FSA), Sullivan: A day or two of steady rain helped, but is not enough yet to turn some of the drought damaged corn fields around. Helped bring along the fourth cutting of alfalfa haylage and some hay fields. Still an abundance of sweet corn and mixed vegetables at local farm stands and farmers markets. Next year's blueberry crop is in need of rain, as reports of water shortages have been coming in from various areas of the county. **Geoffrey Njue (Ext), Strafford:** We had some rain showers by end of the week. However, we would have been happier with more rain. Vegetable growers continued to harvest tomatoes, sweet corn, beans and other kinds of vegetables, though the yields have been badly affected by the drought. Fruit growers continued to harvest peaches and blueberries. The growth of third cut hay has been affected by the drought. Field cut flowers managed to hold on despite the drought, but stem lengths were generally shorter than normal. Greenhouse and nursery businesses were slow due to dry and hot weather.

RHODE ISLAND - Karen Menezes (Ext), Newport: Minimal rainfall did very little to stave off the drought. A better week, however, in terms of temperature and humidity. Haying, harvesting potatoes, summer vegetables and corn continues. Roadside stands gearing up for fall push with early mums and ornamental kale. Marilu Soileau (FSA), All Counties: Farmers have been calling in with reports of water shortages or fear of shortages and crops drying up. An emergency flash report has been generated and Rhode Island is pursuing an emergency designation to make

low interest loans available and also seeking emergency conservation program funds to help eligible farmers with wells and ponds. Though a little light rain came to most areas in RI last week, it was not enough to turn crops around. More was received inland than along the shore, but everything remains dry.

VERMONT - John St. Onge (FSA), Lamoille: Great weather for fieldwork. Need some rain to keep the grass growing. Pastures not providing any feed. Corn is maturing nicely and on some fields is drying from the bottom up and showing signs of heat stress. Bill Snow (Ext), Orange: Crops look fairly good in the central part of the state, but they seem to be the best in the state. We have gone from a wet spring to a dry summer. We had a half-inch of rain last week, the first in many weeks. Other areas are very dry and crops are suffering. Yields of good quality feed are below normal. Dave Blodgett (NRCS), Orleans: Lack of rain over the last several weeks has caused dry conditions in many places. Fields with sandy soils have begun to show signs of dry conditions. Most of second hay crop has been harvested. Yields tend to be good. Corn has tasseled and ears are forming. This area could use a good soaking rain for third crop hay. Lynette Hamilton (FSA), Windham: Windham received about one-third inch of rain last Saturday, just enough to lay the dust. Some field corn might as well be harvested - because of the drought, it is dry to the point where growing has stopped. Grass fields have also stopped growing, so no third cutting. Veggie growers are very concerned about the dry weather. **Jeff Carter (Ext), Addison:** Some dry hay harvest, little manure spread. Corn crop looks fine, late ear development. Soil conditions still very dry. Pasture growth very slow. Maria Garcia (Ext), Chittenden: Perfect weather last week! Sherwin Williams, Rutland: Seeded down early corn and pea fields with winter rye. Top soil very dry. Sprayed one more time for late blight on potatoes and early vine crops. Started digging early Norland and Superior potatoes. Crop looks good. Nice shower yesterday evening will help all crops to hold up. Especially good for winter squash and pumpkins. Beans slowing down. Cole crops doing well in spite of dry spell. Total rain for the week was 0.625 inches, need more but every bit helps. Have a nice week.

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