

# Agricultural Report

Connecticut Department of Agriculture  
 Ned Lamont, Governor  
 Bryan P. Hurlburt, Commissioner-Designee



Wednesday, April 17, 2019

## MARINE WEATHER OBSERVATIONS USING SMARTPHONES

*Kristin Russo, Bureau of Aquaculture*

The Department of Agriculture (DoAg)'s Bureau of Aquaculture is currently testing a new smartphone app that could make Connecticut's nearshore waters safer for boaters.

The app would allow people on the water to observe, record, and share current conditions with others in real time.

Development of the app is being funded through the National Oceanic and Atmospheric Administration (NOAA) in an effort to expand records in waters that are closer to shore than existing NOAA buoys.

While information the offshore buoys collect is helpful, it is not as useful to boaters who stay near shore because conditions can vary greatly from just offshore to mid-Long Island Sound.

The goal of the app is to enhance information available to nearshore boaters. The current information available for conditions of nearshore waters is not always necessarily complete or accurate for the area, since most buoys are several miles off shore.

The majority of recreational boating occurs in nearshore waters. Providing an app that will allow boaters to upload their

own information about current conditions and check conditions before heading out will be a valuable tool for boaters.

The app was created by Creare LLC, an engineering research and development company out of Hanover, New Hampshire.

Using the app is very simple. There are two different modes of entering information: passive and manual.



*A picture of Branford, CT that was uploaded to the app during a manual observation.*

When the user first gets on the boat, they make a manual observation of the conditions, such as temperature, wind speed and direction, water temperature, wave height, cloud type, cloud height, visibility, and precipitation.

The user can also take a picture of the current area, which will be geotagged with the location of the observation. A manual observation is also typically made at the end of the run.

During a passive observation, the user simply opens the app to the "Record" tab and presses start. The phone is then set down in a safe location on the boat and passively records observations such as wave height, wave period, speed, temperature, pressure, and acceleration.

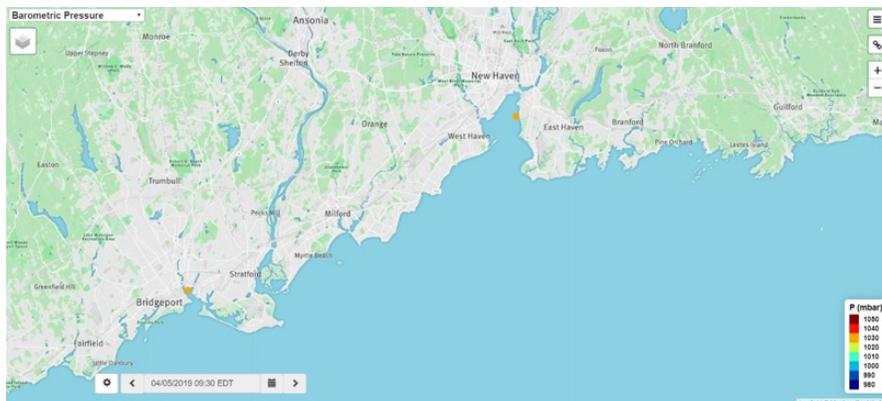
Once all of the data are collected, they are mapped and users can go to the website to see their data on the map. Different parameters can be selected and viewed on the map.

The current version of the app also has a news feed on the home page which shows information gathered by other users in the area.

Due to the nature of the work, DoAg boating staff are frequently out on the water and all DoAg boating activities are considered nearshore boating. This makes DoAg boating staff a good candidate for testing the app.

Currently, DoAg is the only party testing the app in the area, so all observations that come up in the news feed have been gathered by DoAg staff.

For more information about the app go to <https://weathercitizen.org>.



*A map made using the app showing barometric pressure at two locations in Connecticut on April 5, 2019.*

**NORTHEAST EGGS/USDA**

Per doz. Grade A and Grade A white in cartons to retailers (volume buyers)

XTRA LARGE	.69	.85
LARGE	.63	.77
MEDIUM	.48	.61

**NEW ENGLAND SHELL EGGS**

Per doz. Grade A brown in carton delivered store door. (Range)

XTRA LARGE	1.48	1.69
LARGE	1.40	1.59
MEDIUM	.99	1.06
SMALL	.77	.85

**LANCASTER, PA LIVESTOCK**

Avg. Dressing. Per cwt. Unless noted

<b>SLAUGHTER STEERS</b>		
PRIME 3-4	121.00	124.50
Choice 2-3	116.00	121.00
Select 2-3	111.00	117.00
<b>SLAUGHTER HEIFERS</b>		
PRIME 3-4	116.00	120.00
Choice 2-3	113.00	117.00
<b>SLAUGHTER COWS</b> Avg. Dressing		
breakers 75-80% lean	54.00	58.00
boners 80-85% lean	53.00	57.50
lean 88-90% lean	44.00	50.00
<b>CALVES - Graded bull</b>		
No 1 94-118 lbs	132.00	150.00
No 2 94-118 lbs	130.00	145.00
<b>SLAUGHTER LAMBS: Woolled &amp; Shorn</b>		
Markets: Choice and Prime 2-3		
80-90 lbs	202.00	245.00
110-130 lbs	187.00	210.00
130-150 lbs	175.00	200.00
150-200 lbs	170.00	192.00
Choice 1-2		
40-50 lbs	190.00	240.00
60-70 lbs	180.00	220.00
70-80 lbs	175.00	220.00
80-90 lbs	167.00	210.00
Choice 2-3		
90-100 lbs	165.00	195.00
110-130 lbs	150.00	180.00
130-150 lbs	150.00	172.00
<b>SLAUGHTER EWES: Good 2-3</b>		
120-160 lbs	60.00	100.00
160-200 lbs	60.00	85.00
200-300 lbs	40.00	65.00
<b>SLAUGHTER KIDS: Sel 1</b>		
40-60 lbs	170.00	205.00
60-80 lbs	195.00	235.00
80-100 lbs	210.00	240.00
<b>SLAUGHTER NANNIES/DOES: Sel 1</b>		
80-130 lbs	175.00	210.00
130-180 lbs	220.00	255.00
<b>SLAUGHTER BUCKS/BILLIES: Sel 1</b>		
100-150 lbs	225.00	275.00
150-250 lbs	270.00	355.00

**NEW HOLLAND, PA. HOG AUCTION**

Per cwt.

<b>SLAUGHTER HOGS</b>		
52-56	200-300 lbs	54.00 62.00
	300-350 lbs	56.00 62.00
48-52	200-300 lbs	50.00 57.00
	300-350 lbs	55.00 58.00
<b>Sows, US 1-3</b>		
	300-500 lbs	35.00 46.00
	500-800 lbs	38.00 48.00

**WHOLESALE FRUITS & VEGETABLES**

Boston Terminal and Wholesale Grower Prices CONNECTICUT AND NEW ENGLAND GROWN

	LOW	HIGH
ALFALFA SPROUTS, GHS, 5 LBS	14.00	15.00
APPLE, MAC, XFCY, 80	31.00	32.00
APPLE, MAC, XFCY, 88	31.00	32.00
APPLE, MAC, XFCY, 100	26.00	26.00
APPLE, MAC, 125, #1	16.00	17.00
APPLE, MAC, 138, #1	16.00	17.00
APPLE, RED DEL, XFCY, 100	22.00	22.00
APPLE, RED DEL, FCY, 125	18.00	19.00
APPLE, RED DEL, FCY, 138	18.00	19.00
BEAN SPROUTS, 10 LBS	6.00	7.00
BEAN SPROUTS, 12-12 OZ	12.00	15.00
CIDER, 4-1 GALLON	19.00	19.00
CIDER, 9-1/2 GALLON	21.00	21.00
POTATOES, RED, 50 LB, #1, SZ A	14.00	14.00
POTATOES, WHITE CHEF, 50 LB	15.00	15.00
SQUASH, BUTTERNUT, 1-1/9, M-L	18.00	20.00
TOMS, GHS, 25 LB, S-M	28.00	28.00
TOMS, GHS, ONVINE, 15 LB, LG	24.00	24.00
TOMS, GHS, CHERRY, 10 LB	24.00	24.00

**SHIPPED IN**

Price Range. Per unit.

APPLE, GLD DEL, PA, XFCY, 88	32.00	32.00
APPLE, GLD DEL, PA, XFCY, 100	28.00	28.00
APPLE, GLD DEL, PA, XFCY, 125	26.00	26.00
APPLE, FUJI, PA, XFCY, 80	36.00	36.00
APPLE, FUJI, PA, XFCY, 88	36.00	36.00
APPLE, GALA, XFCY, 88	31.00	31.00
BROCCOLI, CTN, CA, 14'S	16.00	20.00
CABBAGE, GRN, FL, 50 LB	17.00	18.00
CABBAGE, RED, 50 LB, M/L	25.00	28.00
CARROTS, CA, BUNCHED, 24	23.00	24.00
CAULIFLOWER, CA, 12's	17.00	21.00
CUKE, LNG SDLS, CD, GHS, CTN	7.00	9.00
KALE, GA, CTN, BNCH, 12	14.00	16.00
LETTUCE, BOSTON, CA, 24	20.00	22.00
LETTUCE, RDLF, CA, 24	18.00	22.00
LETTUCE, GRNLF, CA, 24'S	18.00	22.00
MESCLUN MIX, CA, 3 LBS	6.50	8.00
MUSHROOM, SHITAKE, 3 LB CTN	14.00	16.00
ONION, GREEN LEEK, BNCH 12	24.00	26.00
ONION, YELLOW, 24-2 LB	18.00	20.00
ONION, RED GLOBE, NY, 24- 2 LB	22.00	24.00
POTATOES, RUSSETT, 50 LB, 70'S	22.00	24.50
SPINACH, FLAT, NJ, BNCH, 24	18.00	18.00
SWEET POTATOE, NC, 40 LB CRT	20.00	20.00
SWISS CHARD, RED, CA, 24's	18.00	18.00

**BOSTON MARKET ORGANIC**

Price Range. Per unit.

CABBAGE, GRN, 45 LB CRT	30.00	30.00
CABBAGE, RED, 45 LB CRT	36.00	36.00
KALE, BNCH, 12S, CRT	33.00	33.00
MESCLUN MIX, 3 LB, CRT	9.50	9.50
ONION, YELLOW, 50 LB, M/L	32.00	32.00
PEPPERS, RED, 11 LB, CRT	32.00	34.00
PEPPERS, YELLOW, 11 LB, CRT	32.00	34.00
PEPPERS, ORANGE, 11 LB, CRT	32.00	35.00
POTATOES, RUSSETT, 50 LB, 70'S	30.00	30.00
POTATOES, RED, 50 LB, #1, SZ A	28.00	28.00
SPINACH, BABY, 4 LB, CRT	13.50	13.50
SWEET POTATOES, 40 LB, CRT	35.00	35.00

**MIDDLESEX LIVESTOCK AUCTION**

Middlefield, CT - April 15, 2019

	LOW	HIGH
Bob Calves:		
45-60 lbs.	10.00	15.00
61-75 lbs.	65.00	70.00
76-90 lbs.	75.00	85.00
91-105 lbs.	90.00	140.00
106 lbs. & up	155.00	160.00
Farm Calves	170.00	240.00
Starter Calves	n/a	n/a
Veal Calves	60.00	125.00
Feeder Heifers	75.00	190.00
Beef Heifers	70.00	101.00
Feeder Steers	n/a	n/a
Beef Steers	58.00	100.00
Feeder Bulls	95.00	120.00
Beef Bulls	69.00	122.50
Replacement Cows	n/a	n/a
Replacement Heifers	n/a	n/a
Boars	n/a	n/a
Sows	n/a	n/a
Butcher Hogs	n/a	n/a
Feeder Pigs each	n/a	n/a
Sheep each	80.00	150.00
Lambs each	70.00	270.00
Goats each	100.00	350.00
Kid Goats each	50.00	180.00
Canners	up to	57.50
Cutters	58.00	63.00
Utility Grade Cows	64.00	69.00
Rabbits each	5.00	20.00
Chickens each	5.00	26.00
Ducks each	6.00	25.00
Guinea Hens	n/a	n/a
Goose Eggs each	7.00	9.00

**DAIRY CATTLE**

New Holland, PA. Price per animal.

<b>FRESH COWS</b>		
APPROVED	775.00	1125.00
MEDIUM	500.00	775.00
<b>SPRINGING HEIFERS (7-9 MONTHS):</b>		
SUPREME	1175.00	1225.00
APPROVED	725.00	1175.00
MEDIUM	500.00	875.00
<b>BRED HEIFERS (4-6 MONTHS):</b>		
SUPREME	1000.00	1175.00
APPROVED	675.00	1025.00
MEDIUM	475.00	625.00
<b>SHORT BRED HEIFERS</b>		
APPROVED	450.00	850.00
MEDIUM	450.00	575.00
<b>OPEN HEIFERS:</b>		
300-600 lbs		
APPROVED	300.00	350.00
MEDIUM	150.00	285.00
600-900 lbs		
APPROVED	375.00	575.00

**NEW HOLLAND, PA HAY REPORT**

Price per ton, small squares. April 12, 2019

<b>ALFALFA/GRASS</b>		
SUPREME	410.00	430.00
PREMIUM	340.00	370.00
FAIR	170.00	255.00
<b>GRASS HAYS</b>		
PREMIUM	350.00	370.00
GOOD	265.00	330.00
FAIR	140.00	230.00
STRAW	320.00	350.00

## SPOTTED LANTERNFLY

The spotted lanternfly (*Lycorma delicatula*) is an invasive sap-feeding planthopper first discovered in southeastern Pennsylvania in late 2014. Established populations have since been found in New York, New Jersey, Delaware, and Virginia.

Interceptions of dead individual insects have occurred in other northeastern states, including Connecticut.

This insect has the potential to spread long distances when egg masses are transported via shipping, travel, and other human activity.

Native to China, India, and Vietnam, the spotted lanternfly attacks a wide range of host plants, including many agricultural crops. Grapes, apples, and hops are among those impacted, resulting in lower yields. Compromised plants may also be more susceptible to winter die-off.

Both nymphs and adults pierce the stems of host plants in order to feed on the plant's sugars. Feeding results in the excretion of sticky honeydew, which encourages secondary fungal and bacterial growth.

The non-native tree-of-heaven, *Ailanthus altissima*, is its preferred host, and is associated with attracting egg-laying adults in the fall. Populations of adult spotted lanternflies congregating in large numbers on trees in the fall are also a nuisance to homeowners.

Anything directly below affected host trees can become coated in the honeydew produced by feeding insects. Honeydew may become slippery on surfaces such as stairs, decking, or sidewalks. Honeydew also supports the growth of black mold, which is unsightly and may trigger allergic reactions.

Egg-laying occurs in the fall, on host tree trunks or any other nearby vertical surfaces. Clusters of eggs overwinter within waxy, well-camouflaged egg masses, and hatch the following spring.

Nymphal development takes place through the spring and summer, with mature adults appearing in late summer to early fall. Immature nymphs are black with white spots and resemble large aphids. Older nymphs have red patches.



Adult spotted lanternflies are about one inch long, with two pairs of spotted wings. The underwings have very conspicuous bright red patches.

The Connecticut Agricultural Experiment Station is currently conducting additional visual surveys for spotted lanternfly throughout the state this year.

Areas of interest include public areas with large stands of tree-of-heaven with ten or more mature stems, especially at sites along shipping lanes where spotted lanternfly egg masses may have been transported.

Locations fitting these criteria are most likely to harbor spotted lanternfly populations, and the public is urged to report any potential sightings of this invasive pest.

Please contact [ReportSLF@ct.gov](mailto:ReportSLF@ct.gov) with detailed location information, including photographs of suspected spotted lanternfly. A fact sheet/submission form is available on the CAES website, [portal.ct.gov/caes](http://portal.ct.gov/caes).

## ADVERTISEMENTS

### FOR SALE

1-R. Blumenthal & Donahue is now Connecticut's first independent NATIONWIDE Agri-Business Insurance Agency. Christmas tree growers, beekeepers, sheep breeders, organic farmers and all others, call us for all your insurance needs. 800-554-8049 or [www.bludon.com](http://www.bludon.com)

2-R. Farm, homeowner and commercial insurance—we do it all. Call Blumenthal & Donahue 800-554-8049 or [www.bludon.com](http://www.bludon.com)

3-R. Gallagher electric fencing for farms, horses, deer control, gardens, & beehives. Sonpal's Power Fence 860-491-2290

4-R. Packaging for egg sales. New egg cartons, flats, egg cases, 30 doz and 15 doz. Polinsky Farm 860-376-2227

5-R. Nationwide Agribusiness Insurance Program, endorsed by the CT Farm Bureau, save up to 23% on your farm insurance and get better protection. References available from satisfied farmers. Call Marci Zyskowski today at 203-444-6553

19-R. Planting, cultivating and harvest equipment for vegetables, tobacco and hemp (Italian Checchi & Magli and Mater Macc). Call Griffin Farm Equipment 860-508-2426 or visit [www.griffinfarmtools.com](http://www.griffinfarmtools.com)

26-R. First cutting round bales. Wrapped and unwrapped. Delivery available upon request. 203-264-2217

27-R. Pollination services for small scale farms. Call Hilltop Apiaries for information at 860-408-9039

28. John Deere #50 tractor with live PTO and attached John Deere #5 mower. Good tires. Best offer 203-399-3155

### WANTED

6-R. Livestock wanted: Dairy cattle, heifers of any age, beef cows, bulls, steers, feeder cattle, veal, groups of sheep and goats. [RyanM01@comcast.net](mailto:RyanM01@comcast.net) or 860-655-0958. If no answer, leave message. All calls returned

### NRCS CONSERVATION STEWARDSHIP PROGRAM

Are you an agricultural producer wanting to continue to farm but use less resources and have less of an effect on the land? Why not consider applying for the Conservation Stewardship Program (CSP)?

Through CSP, the USDA-Natural Resources Conservation Service (NRCS) helps private landowners build their business while implementing conservation practices that help ensure the sustainability of their entire operation.

While applications for CSP are accepted year-round, to be considered for FY2019 funds they must be received by May 10.

Through the program, agricultural producers and forest landowners earn payments for actively managing, maintaining, and expanding conservation activities such as cover crops, ecologically-based pest management, buffer strips, and pollinator and beneficial insect habitat – all while maintaining active agricultural production on their land. CSP also encourages the adoption of precision agriculture applications, on-site carbon storage and planting for high carbon sequestration rates, and new soil amendments to improve water quality.

Some of these benefits of CSP include increased crop yields, decreased inputs, wildlife population improvements, and better resilience to weather extremes.

Interested? Find out if you're qualified for CSP by contacting your local USDA service center or visiting the Get Started portion of the NRCS website at <https://www.nrcs.usda.gov/wps/portal/nrcs/detail/ct/home/?cid=stelprdb1252233>.

## LOOKING FOR A CT FARMERS' MARKET?

If you're a farmer in search of a Connecticut Farmers' Market, please go to <https://tinyurl.com/yykqo88>. Tell us what Connecticut Grown farm products you grow and what market days you're interested in and we'll share that information with Connecticut farmers' market managers. Please complete the online form by April 19, 2019.

## CONNECTICUT GROWN PRICE CARDS

It's that time of year—farmers' markets and producers are gearing up for the season ahead and they need Connecticut Grown price cards.

To order go to [www.ConnecticutGrownStore.com](http://www.ConnecticutGrownStore.com), call 860-713-2538, or email [Rebecca.Eddy@ct.gov](mailto:Rebecca.Eddy@ct.gov).

Connecticut Grown price cards are available at no cost. There is also a limited supply of Connecticut Grown tents available for purchase through the website.

## DOAG ACCEPTING APPLICATIONS FOR FARMERS' MARKET AT THE REGIONAL MARKET

The Connecticut Department of Agriculture (DoAg) is now accepting applications for the Farmers' Market at the Regional Market. The 2019 farmers' market season runs from April 1, 2019 to March 31, 2020. Stall use agreements are available for periods of three months up to one year.

Applications and information can be found on DoAg's website at <https://tinyurl.com/https-www-ct-gov-doag>. For more information or questions, please contact Erin Windham at 860-713-2543 or [Erin.Windham@ct.gov](mailto:Erin.Windham@ct.gov).

## CONNECTICUT COUNTIES DESIGNATED DISASTER AREAS

Three Connecticut counties have been designated as primary natural disaster areas by the U.S. Department of Agriculture (USDA).

Producers in Fairfield, Litchfield and New London counties who suffered losses caused by excessive rainfall that occurred from Aug. 1, 2018, through Nov. 30, 2018, may be eligible for USDA Farm Service Agency (FSA) emergency loans.

This natural disaster area designation allows FSA to extend much-needed emergency credit to producers recovering from natural disasters. Emergency loans can be used to meet various recovery needs including the replacement of essential items such as equipment or livestock, reorganization of a farming operation or the refinance of certain debts.

Producers in the contiguous Connecticut counties of Hartford, Middlesex, New Haven, Tolland, and Windham are also eligible to apply for emergency loans.

The deadline to apply for these emergency loans is Nov. 20, 2019. FSA will review the loans based on the extent of losses, security available and repayment ability.

FSA also has a variety of additional programs to help farmers recover from the impacts of this disaster that do not require a disaster declaration.

Farmers may contact their local USDA service center for further information on eligibility requirements and application procedures for these and other programs. Additional information is also available online at <https://www.farmers.gov/recover>.



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**POSTMASTER:** Send address changes to the Connecticut Department of Agriculture, 450 Columbus Blvd., Suite 701, Hartford, CT 06103.

**Print subscriptions expire Dec. 31, 2019.**

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**VOL. XCIX**  
**No. 16**  
**April 17, 2019**