

Agricultural Report

Connecticut Department of Agriculture
Dannel P. Malloy, Governor
Steven K. Reviczky, Commissioner



Wednesday, August 15, 2018

NOAA SCIENTISTS MONITORING CONNECTICUT AQUACULTURE

Julie Rose and Renee Mercado-Allen, NOAA Fisheries Northeast Fisheries Science Center, Milford Laboratory

Scientists at the National Oceanic and Atmospheric Administration (NOAA) Fisheries Northeast Fisheries Science Center laboratory in Milford have been working for the last two summers in Long Island Sound to document environmental benefits provided by Connecticut's oyster aquaculture industry.

Off-bottom oyster cages are growing in popularity as a method for culturing large numbers of oysters on a small footprint. These cages create complex three-dimensional structures that may attract fish and other animals.

Fish may utilize oyster cages as a food source, for shelter, refuge from current flow, or protection from predation. Shellfish farms with many cages add habitat and structure to the seafloor and may act as an artificial reef, attracting greater numbers of fish than would normally be found in areas without natural structure.

Considerable anecdotal evidence from shellfish growers suggests that fish of a variety of life stages frequently interact with aquaculture gear. But there is limited scientific data available that documents which fish species use oyster cages, how many fish interact with cages on a daily basis, and how those fish are using the cages.

Point-of-view video cameras provide a new opportunity to document and quantify the interactions between fish and oyster aquaculture gear. The relatively low cost of individual cameras has increased the feasibility of collecting scientifically rigorous data underwater, on aquaculture operations at leased sites.

These data demonstrating habitat services provided to fish are valuable to regulators and

fishery managers who make decisions about siting shellfish farms and protecting habitat for recreationally and commercially important fish species. Videos of fish using oyster cages can also serve as compelling outreach tools to demonstrate environmental benefits provided by the shellfish aquaculture industry to the public.

Milford Lab scientists have been working on Connecticut oyster aquaculture leases, using cages typical of the style used in Connecticut, stocked with local oyster seed. They have attached two GoPro cameras to each of a series of oyster cages.

One camera looks across the top of the cage like a periscope and the second camera hangs off one corner so that it looks down two sides of the cage and can also view the interface between the cage and the seafloor.

The team also uses Blink timers to delay the onset of video recording for approximately 24 hours in order to let any seafloor disturbance associated with cage deployment to dissipate. Cameras record video for eight minutes every hour, for 12 hours, so that they can collect video over the course of nearly all daylight hours as well as a full tidal cycle.

So far, the team has observed black sea bass, tautog, cunner, scup, conger eel, hake, goby, oyster toadfish, and rock gunnel associated with the oyster cages.

Identifying the fish species and counting the numbers of fish using the cages is only the first step in the video analysis. The team has also partnered with University of Connecticut



NOAA staff set up monitoring cameras on an oyster cage.
Photo courtesy of NOAA Fisheries Northeast Fisheries Science Center.

(continued on Page 3)

NORTHEAST EGGS/USDA

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

XTRA LARGE	1.09	1.37
LARGE	1.03	1.17
MEDIUM	.67	.80

NEW ENGLAND SHELL EGGS

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

XTRA LARGE	1.70	1.85
LARGE	1.57	1.75
MEDIUM	1.11	1.21
SMALL	.82	.92

LANCASTER, PA LIVESTOCK

Avg. Dressing. Per cwt. Unless noted

SLAUGHTER STEERS		
Hi Ch/Prime 3-4	110.50	115.00
Choice 2-3	107.00	110.00
Select 1-2	102.00	107.00
SLAUGHTER HOLSTEINS		
Choice 1-2	81.00	83.00
Select 1-2	77.00	81.50
SLAUGHTER HEIFERS		
Hi Ch/Prime 3-4	106.00	108.00
Choice 2-3	102.00	103.50
Select 1-2	99.00	100.00
SLAUGHTER COWS Avg. Dressing		
breakers 75-80% lean	53.00	58.50
boners 80-85% lean	53.00	58.50
lean 88-90% lean	45.00	52.00
CALVES - Graded bull		
No 1 102-118 lbs	100.00	110.00
SLAUGHTER LAMBS: Woolled & Shorn		
Markets: Choice and Prime 2-3		
90-110 lbs	182.00	200.00
110-130 lbs	170.00	195.00
130-150 lbs	150.00	170.00
SLAUGHTER EWES: Good 2-3		
120-160 lbs	90.00	105.00
160-200 lbs	85.00	105.00
SLAUGHTER KIDS: Sel 1		
40-60 lbs	140.00	160.00
60-80 lbs	185.00	210.00
80-100 lbs	195.00	230.00
SLAUGHTER NANNIES/DOES: Sel 1		
80-130 lbs	180.00	210.00
SLAUGHTER BUCKS/BILLIES: Sel 1		
100-150 lbs	240.00	285.00

NEW HOLLAND, PA. HOG AUCTION

Per cwt.

SLAUGHTER HOGS		
52-56	200-300 lbs	36.00 46.00
	300-350 lbs	39.00 42.00
48-52	200-300 lbs	28.00 39.00
	300-350 lbs	30.00 39.00
Sows, US 1-3		
	300-500 lbs	25.00 31.50
	500-700 lbs	26.00 33.50
Boars		
	400-500 lbs	5.00 5.00

BOSTON MARKET CUT FLOWERS

Wholesale. \$/unit listed.

Long stem unless noted. August 7.

AGERATUM,NENG, /BN	8.50	8.50
ALLIUM,BULLT,PA,5/BN	5.00	5.00
AMRNTHS,UPRT,PA,/BN	8.50	8.50
ASCLEPIAS, PA, 10/BN	8.50	10.00
ASTER,MATSA,CA,/BN	7.50	8.50
CELOSIA,CKCMB,PA,/BN	8.50	8.50
CELOSIA,PELMSA,PA,/BN	8.50	8.50
DAHLIA, NENG,5/BN	12.50	15.00

WHOLESALE FRUITS & VEGETABLES

Boston Terminal and Wholesale Grower Prices CONNECTICUT AND NEW ENGLAND GROWN

	LOW	HIGH
ALFALFA SPROUTS, 5 LBS	14.00	15.00
APPLE, JERSEY MAC, LOOSE,NG	22.00	22.00
BEANS, RND GRN, MACH PK, BU	18.00	24.00
BEANS, POLE, BU	28.00	30.00
BEANS, WAX, BU	28.00	32.00
BEAN SPROUTS, 10 LBS	6.00	7.00
BEAN SPROUTS, 12-12 OZ	12.00	15.00
BEET, CHIOGGA, 25LB, M-L, LOOSE	22.00	25.00
BEETS, RED, 12 BN/CARTON	13.00	18.00
BLUEBERRY, ORG, WILD, 12-1 PT, L	60.00	60.00
BLUEBERRY, ORG, 12-1 PT, L	30.00	36.00
BROCCOLI, CROWN, 20 LB	17.00	18.00
CARROTS, 24-2 LB FILM, L	18.00	18.00
CARROT, 25 LB SACK, LOOSE, JBO	14.00	14.00
CIDER, 4-1 GALLON	22.00	22.00
CIDER, 9-1/2 GALLON	26.00	26.00
CORN-SWEET, BAG, 5 DOZEN	10.00	20.00
COLLARDS, 12 BNCH/CTN	13.00	14.00
CUKES, 1-1/9, M	12.00	16.00
EGGPLANT, WRPPD, 1-1/9, M	13.00	16.00
EGGPLANT, WRPPD, 1-1/9, L	10.00	12.00
KALE, GRN, 12 BNCH/CTN	13.00	14.00
PARSNIPS, 20 LB LOOSE, MED	23.00	25.00
PARSNIPS, 18-1 LB, MEDIUM	20.00	25.00
PEPPER, GRN, 1-1/9, JMBO	12.00	14.00
PEPPER, GRN, 1-1/9, XLARGE	12.00	14.00
PEPPER, TURN RED, 1-1/9, NG	9.00	12.00
PEPPER, CUBANELLE, 1-1/9, M-L	18.00	22.00
PEPPER, JALEPENO, 1-1/9, M-L	22.00	26.00
PEPPER, LONG HOT, 1-1/9, GREEN	16.00	20.00
PEPPER, POBLANO, 1-1/9	18.00	22.00
RHUBARB, OPNFIELD, 20 LB	35.00	38.00
SQUASH, ACORN, 1-1/9 M-L	18.00	22.00
SQUASH, BUTTERNUT, 1-1/9, M-L	18.00	22.00
SQUASH, KABOCHA, 1-1/9, M-L	18.00	20.00
SQUASH, SPAGHETTI, 1-1/9, M-L	18.00	20.00
SQUASH, YLWSTRNCK, 1/2 BU, M	11.00	12.00
SQUASH, YLWSTRNCK, 1/2 BU, S	13.00	14.00
SQUASH, ZUCH, 1/2 BU, M	8.00	10.00
SQUASH, ZUCH, 1/2 BU, S	10.00	12.00
TOMS, GHS, 10 LBS, HEIRLOOM	14.00	16.00
TOMS, GHS, ONVINE, 11LBS, S-M	15.00	15.00
TOMS, VINERIPE, LT RED, 8QT, L	20.00	20.00
TOMS, VINERIPE, LT RED, 8QT, M	16.00	16.00
TOMS, VINERIPE, LT RED, 8QT, S	14.00	14.00

BOSTON SHIPPED IN

Price Range. Per unit.

BEAN, CRANBERRY, NJ, BUSHEL	45.00	45.00
BEETS, GOLD, NJ, 12 BN/CRATE	22.00	24.00
CABBAGE, GRN, DE/NJ, 50 LB, M	13.00	24.00
CABBAGE, GRN, DE/NJ, 50 LB, L	18.00	20.00
CABBAGE, RED, DE/NJ, 50 LB, M/L	18.00	22.00
CABBAGE, SAVOY, NJ, 40 LB, M/L	16.00	20.00
CHINESE CABBAGE, NJ, 1.3 BU, 12	23.00	25.00
CUKES, PICKLER, NJ, BU, S-M	16.00	20.00
CUKES, PICKLER, NJ, BU, S-M	16.00	20.00
ENDIVE, NJ, 1.3 BU, 24	15.00	18.00
ESCAROLE, NJ, 1.3 BU, 24	15.00	18.00
KOHLRABI, NJ, 12 BN, CTN	15.00	20.00
LEEK, NJ, 12 BN/CRATE	22.00	24.00
LETTUCE, NJ, GRNLF, 24/CTN	12.00	15.00
LETTUCE, NJ, REDLF, 24/CTN	12.00	15.00
LETTUCE, NJ, ROMAINE, 24/CTN	14.00	16.00
NECTARINES, NJ, 2-3/4, 1/2 BU	28.00	28.00
PEACH, YLW, NJ, 2-3/4"UP, 1/2 BU	27.00	28.00
RADISHES, NJ, 24 BN/CRATE	12.00	14.00
SPINACH, FLAT, NJ, 24	22.00	24.00
SWISS CHARD, MX CLR, NJ, 12	16.00	18.00

MIDDLESEX LIVESTOCK AUCTION

Middlefield, CT - August 13, 2018

	LOW	HIGH
Bob Calves:		
45-60 lbs.	15.00	20.00
61-75 lbs.	45.00	50.00
76-90 lbs.	60.00	65.00
91-105 lbs.	70.00	75.00
106 lbs. & up	200.00	205.00
Farm Calves	215.00	220.00
Starter Calves	22.00	25.00
Veal Calves	85.00	125.00
Feeder Heifers	72.50	120.00
Beef Heifers	102.00	105.00
Feeder Steers	95.00	110.00
Beef Steers	104.00	108.00
Feeder Bulls	95.00	130.00
Beef Bulls	61.00	97.50
Replacement Cows	n/a	n/a
Replacement Heifers	n/a	n/a
Boars	1@	.04
Sows	27.50	40.00
Butcher Hogs each	27.50	54.00
Feeder Pigs each	25.00	120.00
Sheep each	105.00	290.00
Lambs each	140.00	380.00
Goats each	122.50	460.00
Kid Goats each	30.00	325.00
Canners	up to	54.00
Cutters	55.00	58.00
Utility Grade Cows	59.00	62.00
Rabbits each	4.00	19.00
Chickens each	5.00	40.00
Ducks each	7.00	13.00

RETAIL GRASS FED BISON MEAT

\$/lb. Frozen. July 16.

RIBEYE STEAKS	19.49	51.54
FILET MIGNON	39.95	67.00
NEW YORK STRIP	17.99	44.80
FLAT IRON	14.99	30.00
FLANK STEAK	15.49	27.00
SKIRT STEAK	12.95	23.00
CHUCK ROAST	11.99	18.50
EYE OF ROUND ROAST	11.99	12.99
TOP SIRLOIN	19.99	39.53
SIRLOIN TIP	10.66	19.75
BRISKET	11.20	13.17
RIBS	8.49	19.60
PRIME RIB	30.63	37.35
TENDERLOIN	39.95	50.00
STEW MEAT	11.49	15.95
JERKY	34.49	70.67
HEARTS	8.46	13.00
LIVERS	9.99	20.38
TONGUES	5.00	10.89
HOT DOGS	13.49	17.50
GROUND BISON:		
BULK LEAN	10.39	18.21
PATTIES	11.39	18.21

NEW HOLLAND, PA HAY REPORT

Price per ton, small squares. Aug. 10.

ALFALFA-GOOD	220.00	260.00
ALFALFA/GRASS		
SUPREME	280.00	350.00
PREMIUM	255.00	265.00
GOOD	205.00	240.00
GRASS HAYS		
PREMIUM	285.00	320.00
GOOD	190.00	270.00
FAIR	120.00	160.00
STRAW	150.00	225.00

(continued from Page 1)

professor and fish ecologist Pete Auster to identify and quantify the many different ways that fish are using the oyster cages.



Image from side view of monitoring cameras mounted on an oyster cage. Photo courtesy of NOAA Fisheries Northeast Fisheries Science Center.

The scientists have seen fish feeding on the fouling community that has grown on the cages, little fish escaping from bigger fish by darting inside the cage itself, and even female fish escaping male attention by retreating inside the cage.

The team plans to continue collecting video throughout the summer, and has only just begun to analyze the many hours of video they already have on hand.



Image from top view of monitoring cameras mounted on an oyster cage. Photo courtesy of NOAA Fisheries Northeast Fisheries Science Center.

HARTFORD TO HOST AQUAPONICS CONFERENCE

The 2018 Aquaponics Association Conference will be held September 21-23, 2018 in Hartford, CT. The three-day conference will include presentations from aquaponics experts, tours of commercial aquaponics operations, a vendor showroom, interactive discussions, and social events for aquaponics growers to collaborate. Spencer Curry, CEO and co-founder of Meriden-based Trifecta Ecosystems will present information regarding the commercial aquaponics industry and the future of aquaponics.

Trifecta Ecosystems, an aquaponics technology company and indoor farm, recently received a \$500,000 investment from the South Central Connecticut Regional Water Authority (RWA) to expand its farm network into the New Haven region. For more information visit www.aquaponicsassociation.org.

ADVERTISEMENTS

FOR SALE

11-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

2-R. Farm, homeowner and commercial insurance—we do it all. Call Blumenthal & Donahue 800-554-8049 or 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 today at 203-444-6553.

49-R. Dahlia tubers – exhibiting/cut varieties. \$6 each. For more information about purchasing and varieties email info@strongfarm.org.

62-R. 3 slaughter ready Angus Hereford steers. 860-485-5720.

65-R. Hay tedder for sale: New Holland#162, new hubs, pins, and bushings. 16", 4 baskets. Works great, needs nothing. \$3,000.00 or BO. 860-823-9349.

66-R. Hay tedder for sale: SITREX # ST 520H. Works great, needs nothing, 16", 4 baskets, ready to go: \$2,500.00 or BO. 860-823-9349.

70-R. Border collie puppies. Black and white. 2 males, 5 females. Ready early September. 203-263-4725.

WANTED

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

MISCELLANEOUS

6-R. Farm/Land specializing in land, farms, and all types of Real Estate. Established Broker with a lifetime of agricultural experience and 40 years of finance. Representing both Buyers and Sellers. Call Clint Charter of Wallace-Tetreault Realty (860) 644-5667.

68-R. Bulldozing in Eastern CT. Farm ponds up to 3 acres. Need farm water, call Don Kemp. Also, land clearing. 860-546-9500.

HIRING AND LABOR ISSUES WORKSHOP

Join the Department of Agriculture (DoAg) on Tuesday, September 4, 2018, for a workshop to discuss hiring and labor issues at the Connecticut Agricultural Experiment Station, 123 Huntington St., New Haven, CT, from 9:00 a.m. until noon.

Heather Callahan from the U.S. Department of Labor will give a presentation on the H2A Program, a temporary agricultural employee program, discussing H-2A standards related to recruitment, wages, housing, transportation, and recordkeeping for employers of temporary non-immigrant agricultural workers admitted to the country under Section 218 of the Immigration and Nationality Act (INA). Following, a panel of Connecticut producers will share their experience with the program and answer questions.

This is a free program funded by a grant from UConn Extension and is a cooperative effort of DoAg, UConn Extension, and the Risk Management Agency/ USDA. To register for this event email Rebecca.Eddy@ct.gov by Friday, August 31, 2018.

AGRI-TOURISM IN CT AND PUBLIC HEALTH

Agri-tourism enterprises are a rapidly growing business sector in Connecticut and New England—from pick-your-own orchards, to farm dinners, and on-farm festivals.

Learn what is being done by federal and state agencies to protect the public from health risks at a webinar on Wednesday, August 15, 12:00 - 1:30 p.m.. Educational tools and other

resources will be shared. For registration visit www.train.org/main/course/1078784. For additional information contact kathi.traugh@yale.edu.

CONNECTICUT SPECIALTY CROPS PROMOTION

The Connecticut Department of Agriculture (DoAg) is conducting a multimedia promotion of Connecticut specialty crops through September 2018. The project's purpose is to increase the redemption rate of Farmer's Market Nutrition Program (FMNP) checks by participants of the Women, Infants, and Children (WIC) Program, while also increasing awareness of Connecticut specialty crops among residents.

DoAg will implement bilingual radio campaigns through iHeartMedia/Total Traffic and Weather Network (92.5, 95.7, 105.9 and 97.9 FM) and Full Power Radio/Bomba (97.1 FM), directing listeners to find specialty crops at farmers' markets and farm stands throughout the state. DoAG will work cooperatively with the Department of Public Health to issue direct phone calls and text messages to WIC participants encouraging the purchase of fruits and vegetables at farmers' markets.

Additionally, sponsored social media posts directing potential consumers to the appropriate pages on the agency website is expected to provide specialty crop producers an increase in sales and revenue.

To learn more, visit www.ctgrown.gov/farmersmarkets and www.ctgrown.gov/crops.

CONNECTICUT DEPARTMENT OF AGRICULTURE



CTGrown.gov

Advertising Rates: Fifteen or fewer words: \$3.75 per insertion. More than 15 words: 25 cents per word per insertion. Ads must be related to agriculture in Connecticut and are accepted on a first-come, first-served basis. Payment must be received by noon on Friday before publication the following Wednesday. Make check or money order payable to the Connecticut Dept. of Agriculture, and mail copy and remittance to the department at 450 Columbus Blvd., Suite 701, Hartford, CT 06103. For more information contact Jane.Murdock@ct.gov or call 860-713-2588.

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

Print subscriptions expire Dec. 31, 2019.

CONNECTICUT DEPARTMENT OF AGRICULTURE
www.CTGrown.gov
860-713-2500

Commissioner steven.reviczky@ct.gov	Steven K. Reviczky 860-713-2501
Agricultural Development and Resource Conservation linda.piotrowicz@ct.gov	Linda Piotrowicz 860-713-2503
Regional Market linda.piotrowicz@ct.gov	Linda Piotrowicz 860-566-3699
Regulatory Services bruce.sherman@ct.gov	Dr. Bruce Sherman 860-713-2504
State Veterinarian mary.lis@ct.gov	Dr. Mary J. Lis 860-713-2505
Aquaculture david.carey@ct.gov	David Carey 203-874-2855

**VOL. XCVIII
No. 32
August 15, 2018**