

AGRiVIEW



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New UVM Dairy Science Teaching and Research Center Dedicated with Ribbon Cutting

By Jeffrey R. Wakefield,
University of Vermont

After nine months of construction, the University of Vermont officially dedicated new dairy science teaching and research facilities at the Paul R. Miller Agricultural Research Farm with a ribbon cutting ceremony on Oct. 29.

The \$4.1 million complex consists of a 13,176 square-foot teaching barn and milking parlor and an 8,764 square-foot dairy research barn. The new structures have been designed and built with an emphasis on energy-efficient ventilation, animal welfare and sophisticated dairy management information systems for use by faculty researchers and students.

The teaching barn is complete and

Sally McCay



will be open for students beginning in early November. The research barn will be completed later in the year, with occupancy by faculty researchers expected to take place

between the fall and spring semesters.

"It's very exciting to see this state-of-the-art new teaching and research complex coming online," said UVM

CREAM students lead cows to their new home in the new teaching barn.

president Tom Sullivan. "UVM is a top choice for students and faculty interested in animal science. These facilities ensure that we'll continue to attract the best and the brightest students from Vermont and beyond to our nationally recognized program and that we'll remain a highly attractive destination for talented faculty."

"These new facilities will be a great teaching laboratory that really immerses students in their learning and substantially increases our research capacity," said Tom Vogelmann, dean of UVM's College of Agriculture and Life Sciences.

"With record high student enrollments and the highest level of extra-

continued on page 16

Inside This Issue

- View from 116 State Street Page 2
- Farm to Plate Annual Meeting Page 3
- NE Dairy Programs Approved Page 4
- Draft Ag Water Quality Rules Released Page 5
- Winter Short Courses at VTC Page 6
- Consumer Night at the 2016 Farm Show Page 7
- A Guide to Holiday Plant Toxicity. Page 8
- Food Safety Modernization Act Rules Page 9

- Vermont Vegetable and Berry News Page 10
- Market Report Page 11
- Classifieds Page 11
- Tractor Safety Page 14
- Thanksgiving Dinner Price Up Slightly. . . . Page 15
- 4H Sheep Shearing . Page 16



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THE VIEW FROM 116 STATE STREET



This month we kicked off our series of public meetings across the state to gather input on the draft Required Agricultural Practices (RAPs). The full schedule for the ten meetings we scheduled across the state was shared in the October issue of *Agriview*. By the time this issue goes to print, we will have held meetings in St. Albans, Enosburg, Rutland, and Middlebury. So far, the meetings have been full of robust, informative conversation. We appreciate the time farmers, and members of the community-at-large, have taken to participate and share their opinions – it is extremely helpful to hear their point-of-view.

Additional meetings will be held on the following dates:

December 3, 2015
White River Junction
 Hotel Coolidge
 39 S Main Street
 9am - 11am

December 3, 2015
Brattleboro
 Fraternal Order of the Eagles
 54 Chickering Drive
 2pm - 4pm

December 8, 2015
St. Johnsbury
 Comfort Inn and Suites
 703 Route 5 South
 9am - 11am

December 8, 2015
Newport
 Eastside Reastaurant
 47 Landing St # 3
 2pm - 4pm

December 10, 2015
Montpelier
 Vermont State House, Room 11
 115 State Street
 9am - 11am

December 10, 2015
Randolph
 Chandler Music Hall
 71 Main Street
 2pm - 4pm

During these meetings, we will review the proposed changes farmers will be asked to make to comply with the Clean Water Act. This is a time for us to listen to the Ag community and gather feedback, so we can better understand the impact these changes could potentially have, from the farmers' point of view. At the end of this process, we will reassess our proposed rules, and make changes, if needed.

If you have not already participated in a meeting, I urge all of you to attend. We are working hard to make this process collaborative, so the RAPs can serve the needs of the Ag community. Your feedback is critical, so we can be sure we get this right.

If you are unable to attend a meeting, please download and review the RAPs online at <http://agriculture.vermont.gov/water-quality/regulations/rap>

Public Comment regarding the Draft RAPs can be submitted by e-mail to AGR.RAP@vermont.gov or can be submitted in writing to:

Vermont Agency of
 Agriculture, Food, and Markets
 Attn: RAPs
 116 State Street
 Montpelier, Vt 05620-2901

The deadline for submitting feedback is December 18, 2015.

Thank you for your partnership. I am very proud of the way the Ag community has come together to engage in this process. Once again, our farmers are proving they are not only critical to our communities and our economy, they are deeply devoted to stewardship and preserving the beauty of Vermont for generations to come.

Charles R. Ross J.



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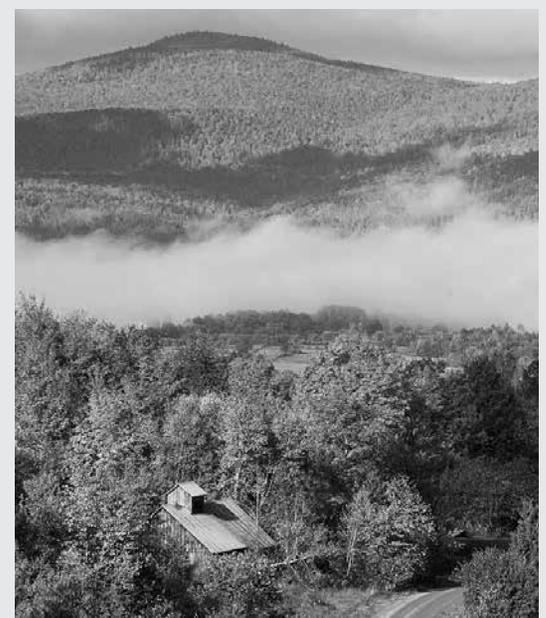
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Editor's Note

On behalf of all of us at the Vermont Agency of Agriculture, Food, and Markets, I'd like to wish you and your family a very Happy Thanksgiving. We are all very grateful for the work you do to promote Vermont agriculture. To our farmers, thank you for your hard work, that enables us to enjoy fresh, healthy, local food. To our partners, thank you for your continued support of our programs, to benefit the Ag Community. And to our readers, thank you for continuing to invest in *Agriview*. We are so fortunate to live in this beautiful place, surrounded by folks who love and care for the land. May you be surrounded by loved ones this holiday season, nourished and sustained by the hearty food our farmers work so hard to provide.

— Alison Kosakowski

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 and follow me @VTFarmGirl



Soil Regeneration and Clean Water Touted As Foundation for Healthy Food at Annual Vermont Farm To Plate Gathering

By Rachel Carter, Vermont Sustainable Jobs Fund

Farm in nature's image" was the takeaway message shared by Ray Archuleta, Conservation Agronomist at the USDA Natural Resources and Conservation Service

farm to plate

sector industry leaders an understanding that the social

maintained by principles such as cover cropping, integrating a diversity of plants and animals, and reducing chemical, biological, and physical stress. Archuleta impressed upon Vermont's farm and food

and ecological context of the food system provides vast opportunities to cleanse the water that runs through it, grow healthy food, and provide for flood protection.

Vicky Drew, State Conservationist for the USDA Natural Resources Conservation Service (NRCS) in Vermont, introduced Archuleta by emphasizing the integral connection between soil health and water quality. "Conservation and stewardship start with how we treat our soil. Soil is not something to take for granted. It is a precious resource that must be fed and nurtured, much like we feed and nurture our children."

Vermont's new Clean



Keynote speaker Ray Archuleta demonstrates soil conservation principles with help from Tom Berry of Senator Leahy's Office, and Tim Magnan, a farmer from Highgate.

Water Act—the most comprehensive water quality legislation in Vermont's history—creates new regulations and devotes more resources to reduce pollution from farms, roads, and impervious surfaces. Drew reminded the audience that the USDA awarded \$16 million to Vermont through the Regional Conservation Partnership Program to help address pollution in Lake Champlain. The grant was the second largest in the country and provides 26 partnering organizations, agencies, businesses, and

nonprofits with the resources to provide financial and technical assistance to agricultural and forest landowners to improve water quality in the Lake Champlain Basin. USDA also recently promised that \$45 million would be set aside through the NRCS EQIP program to help agricultural producers meet these challenges.

Farmer perspectives provide invaluable insights into how work is conducted to reach Vermont's Farm to Plate food system goals. Vermont Agency of Agriculture, Food & Markets Secretary Chuck Ross moderated a healthy soil and water panel with Harvey Smith of Smith Family Farm in New Haven, Paul Harlow of Harlow Farm in Westminster, and Tim Magnan of Bridgeman View Farm in Franklin.

Non-profit organizations,

government agencies, institutions, and the private sector (farmers/producers/food businesses) attend the Gathering to strengthen partnerships, build new collaborations, and learn from one another. This year's Gathering also offered a series of breakout sessions where Network members continued system change conversations and gained greater understanding of food system issues ranging from food-related health challenges, scaling-up production, farm viability, workforce development, and increasing consumer demand.

"The Farm to Plate Annual Gathering and subsequent meetings throughout the year bring together diverse stakeholders with many different perspectives. We deliberately focus on creating a trusting, inclusive space to facilitate the tough conversations needed to create comprehensive change in our food system so that Vermont can relocalize food production and distribution. Healthy local food should be accessible to all Vermonters; provide economic viability to farmers, all types of food producers, and workers; and improve our environmental resiliency and sustainability—all of which help Vermont reach its Farm to Plate goals," shares Jake Claro, Farm to Plate Network Manager.

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Farmers Approve 2016 Promotion Programs For New England Dairy

Bryan Davis Re-elected Chairman of the Board

By Laura Hardie,
NE Dairy Promotion Board

Dairy farmer leaders representing six northeastern states voted this month to approve the 2016 budget and program proposals for New England Dairy Promotion Board (NEDPB) and New England Dairy & Food Council (NEDFC). The action to approve the \$5.3 million budget came at the annual meeting of the two companies that develop and carry out promotion, education and research programs in New England on behalf of dairy farmers. The meeting was held November 10-11 at Killington Resort in Killington, VT.

“Dairy farmers from all over New England and New York came together at our annual meeting to hear about our dairy promotion successes, discuss challenges and share ideas to increase demand for New England dairy products,” said Gary Wheelock, CEO for NEDPB and NEDFC.

Highlights from the organizations two main initiatives were presented to dairy farmers – the nationwide school wellness initiative, Fuel Up to Play 60, created by the National Dairy Council and National Football League, and Must Be The Milk, a New England focused marketing campaign to educate consumers about dairy.

“As a dairy farmer, Fuel Up To Play 60 and Must be The Milk are invaluable



2015-2016 NEDPB/NEDFC Board of Directors Officers. From left to right: Vice Chair, Heidi Dolloff of Springfield, VT; Secretary, Deb Erb of Landaff, NH; Chair, Bryan Davis of Derby, VT; Treasurer, Sherry Ouellette of Bridport, VT.

programs. Fuel Up To Play 60 encourages youth to consume dairy and get at least 60 minutes of physical activity every day. Our promotion dollars are going toward creating the next generation of healthy dairy consumers,” said Bryan Davis, chairman of the board for NEDPB and NEDFC, “and the Must be The Milk campaign helps consumers understand the long-term value and importance of local dairy farms in sustaining a local food supply, a strong community and a healthy environment.”

Fuel up to Play 60 is the leading school wellness program in the country with over 74,000 participating schools nationwide, including more than 3,600 schools in New England.

Must be The Milk outreach includes social media, farm tours & events, videos featuring New

England dairy farmers, a blog where people can learn more about dairy agriculture and dairy recipes, as well as an e-newsletter.

“In 2016, we will continue to promote nutrient-rich milk and dairy products in schools and also educate New Englanders about dairy farming and the value dairy farms bring to our region,” Wheelock said.

Dairy farmers also heard from Dairy Management Inc. (DMI) leaders about the role the Checkoff played in McDonald’s successful transition from liquid margarine to butter in its 14,000+ U.S. restaurants in September of 2015.

Amy Wagner, Executive Vice President, Global Innovation Partnerships at DMI, said that “Checkoff product scientists, who work on site at McDonald’s, played a critical role in the conversion to butter.



Stephanie Ferrari, registered dietitian and manager of communications for New England Dairy Promotion Board spoke to dairy farmers and leaders this week at the New England Dairy & Food Council and New England Dairy Promotion Board annual meeting held in Killington, Vermont on November 10 and 11.

They were the experts that made this happen from working with local owners conducting operational tests to training team members to showing the product to key leaders.”

“The switch to butter at McDonald’s is expected to increase annual milk usage by 500 million to 600 million pounds” said Carolyn Gibbs, CFO and Executive Vice President of Finance, DMI. Gibbs added that DMI expects to see other chains follow suit which she referred to as the “catalytic effect.”

At the conclusion of the annual meeting, the board of directors elected the following officers: Chair, Bryan Davis of Derby, VT; Vice Chair, Heidi Dolloff of Springfield, VT; Secretary, Deb Erb of Landaff, NH and Treasurer, Sherry Ouellette

of Bridport, VT. Elected to the board’s executive committee are Ralph McNall of Fairfax, VT; Paul Doton of Woodstock, VT and James Jacquier of East Canaan, CT.

New England Dairy Promotion Board (NEDPB) is the local affiliate of the American Dairy Association, which conducts sales promotions and marketing programs on behalf of local dairy farmers. New England Dairy & Food Council (NEDFC) is a non-profit nutrition education organization staffed by registered dietitians. NEDFC is a state and regional affiliate of the National Dairy Council® (NDC). The two organizations share a Board of Directors comprised of local dairy farmers and work jointly to increase demand for New England dairy products.

Agency of Ag Releases Draft Agricultural Water Quality Rules for Public Input

Ten Public Meetings Across the State Will Allow Stakeholders to Provide Feedback

By Ryan Patch, VAAFM

The Vermont Agency of Agriculture, Food, and Markets (VAAFM) has released a draft copy of the Required Agricultural Practices (RAPs) for a period of public comment which will run through December 18, 2015. This is a pre-filing period which will afford the opportunity for all interested stakeholders to review the Draft RAPs and provide initial comment before VAAFM will formalize the draft this winter and will then enter into the formal rulemaking process in the spring of 2016. Additional public comment periods will follow both the draft rewrite as well as the formal rulemaking period.

For a copy of the draft RAP document, visit <http://>

agriculture.vermont.gov/sites/ag/files/pdf/water_quality/VAAFM-Draft-RAP.pdf

To help facilitate this comment and input process, VAAFM has scheduled ten public meetings across the state. These public meetings will include a detailed presentation of the draft RAPs, with a question and answer session to follow. In order to maximize public input, VAAFM is also offering to hold smaller group meetings for interested organizations and stakeholders to review the rules in greater detail. A current list of public meetings is at: <http://agriculture.vermont.gov/water-quality/news-events/public-meetings>

“It is important for all stakeholders to understand the rules are in draft form

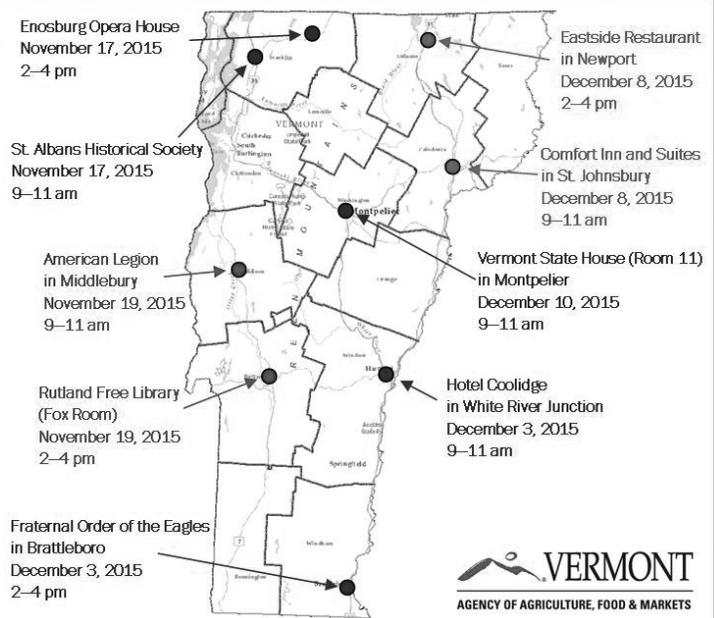
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Visit our website to find out more about the proposed RAPs including what size and type of farm they could affect, how to submit comments, and more.

www.agriculture.vermont.gov/water-quality/regulations/rap



Location	Date	Time
Enosburg Opera House	November 17, 2015	2-4 pm
St. Albans Historical Society	November 17, 2015	9-11 am
American Legion in Middlebury	November 19, 2015	9-11 am
Rutland Free Library (Fox Room)	November 19, 2015	2-4 pm
Fraternal Order of the Eagles in Brattleboro	December 3, 2015	2-4 pm
Hotel Coolidge in White River Junction	December 3, 2015	9-11 am
Vermont State House (Room 11) in Montpelier	December 10, 2015	9-11 am
Comfort Inn and Suites in St. Johnsbury	December 8, 2015	9-11 am
Eastside Restaurant in Newport	December 8, 2015	2-4 pm

VERMONT AGENCY OF AGRICULTURE, FOOD & MARKETS

– and that their feedback in this process is critical,” said Vermont’s Agriculture Secretary, Chuck Ross. “We are holding these meetings because we want to engage with the public, to gather their feedback, and to ensure

we are implementing a realistic, workable framework for agricultural practices in our state that effectively protects our lakes and rivers.”

VAAFM was directed by the Legislature to draft the RAPs pursuant to Act 64, signed into law on June 16, 2015. Act 64 amended and enacted multiple requirements related to water quality in the State. The “Accepted Agricultural Practices (AAPs)” were rewritten to a higher level of performance and renamed the “Required Agricultural Practices (RAPs).” VAAFM was charged with revising the RAPs by rule by July 1, 2016. Act 64 requires that the revised RAPs include requirements for small farm certification, nutrient storage, soil health, buffer zones, livestock exclusion, and nutrient management.

“The Agency of Agriculture wants to be very transparent with this process,” said Jim Leland,

VAAFM’s Director of Agricultural Resources Management Division. “This collaborative process will ensure VAAFM develops a rule which meets the intent of Act 64, and is workable and implementable by the diversity of agricultural operations in the state.”

Act 64 also instructed VAAFM to establish a program certifying and training small farm operations. With over 7,000 farms in the state, according to the 2012 USDA Ag Census, many small farms could be required to newly certify compliance with the RAPs when the program is implemented.

“Farms of all sizes will be affected by the RAPs, which is why it is important for all farmers to attend a meeting and provide comment,” said Leland.

Significant and expanding technical and financial assistance is available from Federal, state and local

continued on page 6

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Vermont Technical College Announces Winter Short Courses

By Alison Kosakowski,
VAAFM

Winter is a great time to learn a new skill or explore a topic of interest. With fewer daylight hours and chilly temperatures comes more time indoors – might as well hit the books! This winter, Vermont Technical College is offering a robust assortment of courses to help you gain new skills and beat the winter blues. Check out these exciting offerings.

Cold Climate Viticulture: Grape Science

December 1-3, 2015

Grape Science is the fall course in the Cold Climate Viticulture Series and will cover grape chemistry, harvesting, and basic wine processing.

The comprehensive four-session viticulture and enology program includes topics in vineyard establishment and management, grape and wine chemistry, and basic wine processing. The individual courses are designed to help growers with little or no previous grape-growing



experience. Each session will provide seasonal skills needed to operate and manage a vineyard, and basic wine-making techniques. Hands-on experience in a vineyard, laboratory, and winery will be included.

Yogurt Production

December 7-9, 2015

This three-day course is a practical, comprehensive, and technical guide to yogurt production and the principles governing the fermentation of milk to make yogurt. In this course students will learn skills specific to produce yogurt including food safety issues, fermentation science, and hands-on methods of making yogurt. These include: milk biochemistry, inoculants, sweetening, packaging, and economics of yogurt production. Students will also learn Vermont and federal laws applicable to yogurt production and build cash flow worksheets for yogurt production operations. Using common milk processing equipment to make yogurt students will be able to explain and apply fermentation science to the yogurt making process.

Days 1 and 2 will be in class and making yogurt. Students will make and prepare six types of yogurt in bench top incubators that they can keep for further experimentation.

Day 3 of the course will visit three yogurt production facilities where students can interact with entrepreneurs.

Advanced Reproductive Management

December 16-17, 2015

This course is designed to help farmers with artificial insemination skills further improve their dairy reproductive management skills. Students will learn methods of assessing herd reproductive performance using records, ways to manage the common diseases which affect reproductive performance and the pros and cons of several methods of pregnancy detection including blood testing, ultrasound and palpation strategies. This course will have several hours of practical farm laboratory.

Cold Climate Viticulture: Winery & Equipment Considerations

January 8-10, 2016

This course will cover winery design including (layout, function, and utilities), equipping a small winery, tasting room, water and waste water, Federal and Vermont state permitting, winery insurance, business planning, and winery operating cost. There will be several guest speakers who are experts in winery equipment, insurance, lending, and accounting that will guide in the decision making process.

Maple Installations

January 11-12, 2016

Update your sap-collecting system and maximize your sugar-bush production. This course will cover the planning

and installation of a modern pipeline vacuum sap-harvesting system. Students will prepare a sugar-bush for pipeline installation, design the layout for a pipeline system, install main lines, and install laterals for efficient sap harvest.

Maple Syrup Boiling

January 18-19, 2016

The course will cover all aspects of boiling from sap collection to bottling. Course topics will include discussions on sap concentration, reverse osmosis (RO) devices, fuel options and fans, filtering, syrup grading and flavor, evaporator makes and models, sanitation and bottling. *Also check out the Maple Products course!*

Anaerobic Digester Operations*

January 4 - May 2, 2016

The Digester Operations Master Certificate is a 16 week program at the Randolph Center campus. Students in this program work directly with the digester operations staff to ensure the smooth and efficient operation of Vermont Tech's Anaerobic Digester. Activities include monitoring digester performance and adjusting digester operation, coordinating and executing logistics of feedstock and effluent, adjusting digester diet, collecting data, and interacting with the staff.



Upon completion of the certificate program each student will have gained the skills necessary to understand the mechanics and operation of a digester system, as well as other areas such as permitting, regulatory compliance and record keeping.

**This is a 16-week training with flexible times, not a short course.*

Introduction to GTAW (TIG) Welding*

January 21 - May 12, 2016

Through this course, the student will gain an understanding of the joining of metals through a variety of welding methods as well as the national codes that apply to the methods. The student will learn the basic components of each machine and will learn to read blueprints specifically related to welding processes. A central component of this course is a lab in which the student will learn to use many of the techniques and machines discussed in the lecture. This course will help prepare students for American Welding Society (AWS) entry-level certifications; two hours of lecture, three hours of laboratory per week.

**This is not a short course. It will run on a semester schedule of meeting evenings once a week for class, and once a week for lab. Call 802-728-1677 for more info.*

Fifth Annual Consumer Night at the Vermont Farm Show

Bigger & Better in 2016 – Prepared Food – Raffle Prizes

January 27, 2016 • 4:00 to 7:00 p.m. • Blue Ribbon Pavilion, Champlain Valley Exposition, Essex Junction

Celebrate the diversity of Vermont agriculture on Wednesday, January 27th at the 5th annual Vermont Farm Show “Consumer Night” at the Champlain Valley Exposition in Essex Junction. Local food and crafts will take center stage in the Blue Ribbon Pavilion at the 2016 Buy Local Market and Capital Cook-Off, free events hosted by the Vermont Agency of Agriculture, Food & Markets.

Attendees may enter into a raffle for prizes from Ski Vermont, the Vermont Cheesemakers Festival, and the Vermont Brewers Festival. In addition to a variety of agricultural prod-

ucts and crafts, for the first time in 2016 the Buy Local Market will feature prepared, ready-to-eat foods—such as hot slices of locally-produced pizza—so you can bring the whole family for an evening of food, fun, and learning.

Don't miss next month's issue of *Agriview* for a list of Buy Local Market vendors and the full Consumer Night schedule!

Note to Farms & Agricultural Businesses: Vendor applications for the 5th Annual Buy Local Market during Consumer Night at the Vermont Farm Show will now be accepted until November 30, 2015. And for the first time, we can accept applications

from vendors of prepared, ready-to-eat foods. Vendor applications to participate in the Buy Local Market are available at the Agency of Agriculture's website at <http://go.usa.gov/ccafd> (or contact Faith Raymond at faith.raymond@vermont.gov or (802) 828-2430). For all other inquiries, contact

Kristina Sweet at kristina.sweet@vermont.gov or (802) 522-7811.

The Buy Local Market offers free booth space for vendors of agricultural products and prepared foods, with the goal of representing every corner of Vermont. Meet new customers, offer samples, and sell your

product! The event will be covered by local television and radio. Please consider participating in this event offering opportunities for consumers to taste, learn, and buy Vermont agricultural products from across the state. We hope to see you in January!



For Immediate Release

The Vermont Agency of Agriculture, Food and Markets have received an application for a Milk Handlers license from the following entity: Odwalla, Inc. of Atlanta, Georgia to sell and transportation milk and milk products in the State of Vermont. If anyone has germane information as to why or why not this company should or should not be licensed those comments are to be sent to:

The Vermont Agency of Agriculture Food and Markets
Dairy Section Office
116 State Street, Montpelier, VT 05620-2901

All written comments must be received by December 15th, 2015.

At that time the Agency will make a determination as to whether a hearing will be held. If we determine that a hearing is necessary and you wish to attend please write to the above address attention Dairy Section.

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A Guide to Holiday Plant Toxicity

By Dr. Leonard Perry,
Horticulture Professor
University of Vermont

Several of our favorite holiday plants should be kept from children and pets, yet often they pose no serious danger in small amounts. There are many other and more toxic substances to children in homes to be mindful of, especially cosmetics, cleaning products, and personal care products.

The **poinsettia** (*Euphorbia pulcherrima*), the most popular flowering potted plant for indoors, has gotten a bum rap for a number of years. It's been falsely accused of being poisonous, yet no deaths from this plant have ever been recorded. In fact, research studies at Ohio State University have proven that poinsettias present no health hazard.

The rumors arise from a highly questionable report of a single fatality in Hawaii more than 80 years ago, a child who reportedly died after eating one leaf. However, that doesn't mean the poinsettia doesn't have mildly toxic properties. If ingested by pets or humans, it can irritate the mouth and stomach, sometimes resulting in diarrhea or vomiting.

The sap may cause a poison ivy-like blistering on contact with the skin on some persons unless washed off immediately. That's why it's important to place poinsettias, and other holiday plants, out of the reach of children and curious pets. Keep in mind that pets and people may differ in what plants are toxic, and to

what degree. Kalanchoe, for instance, is not listed as toxic for people but is mildly toxic for pets.

How safe are other holiday plants to humans? Here's the rundown on some common plants which have toxic properties.

Holly (*Ilex*): Branches are used during the holidays in arrangements for the shiny (but prickly) dark green leaves and berries. Eating the bright, red berries of this plant usually result in no toxicity in small quantities. Large quantities cause nausea, abdominal pain, or vomiting.

Jerusalem Cherry (*Solanum pseudocapsicum*): This potted plant has been more popular in decades past, but still can be found during the holidays (so also called Christmas Cherry) for the rounded red fruits against the dark green leaves on a plant about a foot high. Every part of this plant contains the toxic substance solanocapsine, especially in unripened fruits and leaves. Eating the fruit or foliage will adversely affect the heart and can cause a range of symptoms including stomach pain, vomiting, headache, drowsiness, to others more severe.

Mistletoe (*Phoradendron serotinum*): This plant parasite of deciduous trees in the Southeastern states is used during the holidays for hanging above doorways, and for its white berries. While most exposures result in little or no toxicity, eating



large amounts can cause acute stomach and intestinal disorders. These are caused by the chemical phoratoxin, related to ricin (the highly toxic compound from castor bean plants).

Yew (*Taxus*): The leaves, seeds (not the red fleshy covering), bark, and twigs of this evergreen can be toxic from the chemical taxine, causing breathing difficulties, uncontrollable trembling, and vomiting. Most reported poisonings are from the seeds, and only result in mild symptoms. Allergic reactions may occur from nibbling on leaves. Yew is another example of the toxicity difference between people and some animals. It is toxic to people, pets, and livestock, but is devoured by deer.

Azalea (*Rhododendron*): This holiday plant is mainly grown as a shrub outdoors with thousands of variants. The leaves can be toxic, as is honey made from flower nectar containing grayanotoxins. Perhaps the first written account of rhododendron toxicity was from the 4th century in Greece, depicting the poisoning of ten thousand soldiers from a yellow

shrub azalea. One study concluded that eating moderate amounts of azalea posed little danger to humans. Pets and children may be more seriously affected, so it should be kept from them.

Cyclamen (*Cyclamen persicum*): Since the thickened roots (rhizomes) of these are the primary toxic part, containing saponins (similar to those in English ivy), it is unlikely humans (including children) would eat such and be affected, and then only if large quantities are ingested. Skin exposure to the plant sap may cause a skin rash in some people. Pets, especially those that like to dig in pots, should be kept away from cyclamen.

Amaryllis (*Hippeastrum*): The toxic part of this plant is the bulb, which contains lycorine and similar alkaloids. These are the compounds found also in daffodils, and the reason wild animals such as deer know to leave them alone. House pets may not be so wise, so keep these away from them. Ingestion by humans is unlikely, with small amounts producing few or no symptoms.

For more details on toxic

plants of all types, including common houseplants, consult the second edition of the Handbook of Poisonous and Injurious Plants by doctors Nelson, Shih, and Balick. From Springer publishing, it is one of the most authoritative, up-to-date, and affordable references for human poisoning by plants, and is used in many poison control centers.

A couple of the more extensive websites to check out plants poisonous to humans are from North Carolina State University (gardening.ces.ncsu.edu/) and the University of California at Davis (ucanr.edu/sites/poisonous_safe_plants). There are several good online resources to check on toxicity of plants to pets, one being the American Society for the Prevention of Cruelty to Animals (www.aspc.org/pet-care), which also lists plants toxic to horses. Several sites, including Cornell University (poisonousplants.ansci.cornell.edu), deal specifically with plants poisonous to livestock.

If you suspect poisoning, seek immediate professional help. Unless told to do so by a doctor, do NOT make the person throw up. Call your local poison control center, often at your local hospital. Or, you can call the national poison control center hotline, toll-free, (800-222-1222) and talk with poison control experts. This service is available anytime, and can answer any questions on poisoning, even if not from plants and even if not an emergency.



Vermont Agency of Agriculture Hosts FDA for December Meeting on Food Safety Modernization Act Final Rules

Monday, December 14, 2015
9:30 AM to 4:30 PM
Latchis Theatre
50 Main Street
Brattleboro, VT 05301

On Monday, December 14, 2015, join the Vermont Agency of Agriculture, Food & Markets (VAAFMM) and U.S. Food & Drug Administration (FDA) subject matter experts for an overview of three final Food Safety Modernization Act (FSMA) Rules:

- Produce Safety
 - Preventive Controls for Human Food
 - Preventive Controls for Animal Food
- FDA subject matter experts will provide information on what the new rules cover and who must comply, as well as major

requirements of the rules. All stakeholders throughout the Northeast are invited to attend this informational event and will have opportunities to ask questions of FDA subject matter experts.

Signed into law in 2011, the Food Safety Modernization Act (FSMA) represents the largest update to the Federal Food, Drug & Cosmetic Act since 1938, requiring FDA to set new food safety standards for food production both in facilities and on farms. Since FDA published the proposed rules in January 2013, VAAFMM has worked to establish strong partnerships with the National Association of State Departments of Agriculture (NASDA) and FDA in order to ensure the perspectives and experiences of New

England producers have been accurately represented throughout the rulemaking process.

The Produce Safety, Preventive Controls for Human Food, and Preventive Controls for Animal Food rules are now final and will be implemented throughout the United States over the next one to five years. VAAFMM, along with other state departments and agencies of agriculture, will continue to work closely with NASDA, FDA and other national partners as FSMA rules are finalized and throughout the implementation process.

This informational event is free, open to the public, and accessible to people with

disabilities. No registration is required. For more information or to request accommodations such as seating, interpreting, etc., call (802) 522-7811 or email AGR.FSMA@vermont.gov in advance of the event.

For updates and more information, visit VAAFMM's Food Safety Modernization Act page at <http://go.usa.gov/3SV3F>. To access the final FSMA rules, visit FDA's FSMA page at <http://www.fda.gov/FSMA>.

Agenda

- 9:30–10:00 AM Reception (Refreshments provided)
- 10:00–10:40 AM Welcome & Opening Remarks

- 10:40 AM–12:00 PM FSMA Preventive Controls for Human Food Final Rule Overview with Question & Answer Session
- 12:00–1:30 PM Break (Lunch will not be provided)
- 1:30–2:50 PM FSMA Produce Safety Final Rule Overview with Question & Answer Session
- 2:50–3:00 PM Break
- 3:00–4:20 PM FSMA Preventive Controls for Animal Food Final Rule Overview with Question & Answer Session
- 4:20–4:30 PM Closing Remarks

RAPs
continued from page 5

organizations—including Vermont's new Clean Water Fund established by Act 64. This will help ensure all farms can access resources to assist in the planning and implementation of management changes and conservation practices to improve water quality.

"Farms of all sizes are already making significant progress at developing plans and implementing conservation practices statewide," said Leland. "When implemented, the RAPs will set a roadmap and standards to ensure current and future planning efforts are as effective as possible at improving water quality on farms in Vermont."

Act 64 also requires that

a VAAFMM submit a draft report on water quality considerations regarding tile drainage to the legislature in January 2016, with the RAPs revised to include requirements for tile draining by January 15th, 2018. Successful implementation of the RAPs will assist in Vermont's mission to meet the goals of Act 64 as well as the Total Maximum Daily Load (TMDL) for Phosphorus for Lake Champlain.

More information about the RAPs are at <http://agriculture.vermont.gov/water-quality/regulations/rap>

A timeline for RAP public input, revisions and implementation can be found at AAFMMs webpage <http://agriculture.vermont.gov/water-quality/regulations/rap#Q9>

VAAFMM will seriously consider all comments received during this pre-filing period, though there may be no formal response to individual comments received. Comment can be e-mailed to: AGR.RAP@vermont.gov or mailed directly to: 116 State Street, Montpelier, VT 05620

Comment received by VAAFMM regarding the draft RAPs will be used solely for consideration during the revision of the RAPs and will not be used for water quality regulatory enforcement purposes. VAAFMM encourages farm operations to submit comment with examples of areas on their farm where their current management meets state water quality standards, but would be out of compliance with the draft rules.

For Immediate Release

The Vermont Agency of Agriculture, Food and Markets have received an application for a Milk Handlers license from the following entity: Farrell Distributing Corp. of South Burlington, Vermont 05403 to sell and transport milk in the State of Vermont. If anyone has germane information as to why or why not this company should or should not be licensed those comments are to be sent to:

The Vermont Agency of Agriculture Food and Markets
 Dairy Section Office
 116 State Street, Montpelier, VT 05620-2901

All written comments must be received by November 15th, 2015.

At that time the Agency will make a determination as to whether a hearing will be held. If we determine that a hearing is necessary and you wish to attend please write to the above address attention Dairy Section.

VERMONT VEGETABLE AND BERRY NEWS



Compiled by Vern Grubinger,
University of Vermont Extension
(802) 257-7967 ext. 303, or
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www.uvm.edu/vtvegandberry

Reports From The Field

(Hinesburg) Hoop house spinach, lettuce, and claytonia establishing nicely. Some leaf miner damage on young spinach leaves. A bad year for the miner. I covered all chard, spinach, and beet from mid summer on but didn't think I would need to cover hoop house planting. Fall successions came on too quickly with warm weather, last CSA shares might be lean.

(Fairfax) Lots of mistakes this year. Maybe 15 inches of rain in June had something to do with it. Swede midge is becoming a major issue. Had a broccoli field that was destroyed by Swede midge and then one broccoli field three miles away that was perfect. An interesting pest that we try to keep moving away from, but are running out of fields to run to. Storage crops are coming in nicely although didn't sidedress enough on the sandy fields after all the rain, so yields are down. Sand is wonderful with excessive rains but the leaching of N is certainly a major challenge. A fantastic lettuce and cabbage year, although the deer have consumed more than their fair share of savoy and red cabbage, their preferred varieties. Greens in the tunnels are growing quickly. Nice having the warm November to finish up field harvests.

(Burlington) Fall harvest winding down, though lots of nice looking greens and 'sprouts still to come. Winter tunnel crops generally look good, but still plagued by inconsistent spinach germination

- scads of Phytophthora (maybe Rhizoctonia, too) collapse at- and after emergence. No matter what I do with depth and moisture management, the problem continues to be significant. Crazy Cercospora on our late beets this year - I wouldn't have thought this summer to be ideal conditions, but our leaves were practically absent by harvest time. We are seeing more storage rot in our Delicata, though we had far less rot in the field this year. Go figure. Otherwise, storage crops look good, winter CSA sales are on track, and I'm looking forward to xc skiing.

(Dummerston) It was nice to wrap up the CSA season with an unusually warm early November. But harvesting root veggies for storage is on hold, while passively-cooled root cellars hover around 50 degrees. It's a reminder that without electrically-cooled cold storage, Nature dictates the harvest schedule. This works with my end-of-season plans this year. But it might be time for a Coolbot in the future. High tunnel greens are doing well but probably should have been started a little bit earlier. Maybe the warm temperatures will give them a chance to catch up.

(Westminster West) Loving this awesome Indian summer! Just a few field crops remain: Napa, leeks, turnips, some beets. With Thanksgiving soon, hoping to make one last sales spurt and finish up the year; already doing next year's business planning, ugh. Farmers' market done for the year, just a very modest increase over last year's sales, which gets us back to pre-recession levels finally. Storage crops selling steady and not much shrinkage except for the spaghetti squash, need to work on that as it's a good crop. Onions all pre-sold except for red onions. Carrots and turnips sitting pretty in storage. Working on re-skinning most of our nine greenhouses, never my favorite job but this weather has been great for doing just that. Upgrading some single layer houses to inflated ones, much better that way after living with single layer for several years. The single layer houses develop more rips over time and we were never able to secure plastic so that

the wind wouldn't cause it to flap around making noise and annoying people. Also, we are using the houses now for early bedding plants beside the raspberry production. So we installed heaters and need the tighter more insulated house. Cover crops still growing, which is good as some fields were done late. Looking forward to my trip to Cuba with a bunch of Vermont's top growers in two weeks!

(Plainfield NH) Gorgeous and forgiving weather. Rare in November are the days that start gloveless in farming; it's been a wonderful fall. Last of the root crops finally up, packing just wholesale now and doing the six-week CSA that wraps up Thanksgiving. Lots of projects out there. Predominant when the weather does really cool off is strawberry mulching. Clean up in fields is pretty far along. The oats that I sowed have put on enough growth to look as dense as the winter rye and vetch, and the mustard continues to chug along although it has fallen over and lodged. Hopefully we will get some time to prune blueberries before winter really sets in.

(Little Compton RI) Unusually warm weather and some opportune rains have changed the whole picture at our farm. Though the drought stress from summer is being felt as winter crops come in. The biggest worry is our Brussels sprouts delaying their sprout formation. They are kicking in now but three weeks ago I thought it was a lost crop. Sweet potatoes are small and take much longer to cook and are just not that sweet. Romanesco cauliflower, which always acts weird when stressed, is coming in deformed or not at all. So a weird fall finish but thank goodness not a K.O.! I have heard countless talks about Alternaria on Brassicas being seed related, but after hot water treating out seeds twice now I just don't see the connection. I think it is more environmental factors like water stress, temperature and dew point in the August/September. We heat treated two different plantings of Brussels sprouts and neither had Alternaria but it was also the driest summer ever in this region! The jury

is still out but hot water treating is losing some of its rationale. Also, I hear from more and more fellow growers that Entrust on CPB is practically useless. A conventional chemical salesman told me that the original formulators of Spinosad knew years ago that its useful days were numbered and so they came out with Radiant a few years back and now last summer yet an even new variation on the formula. Seems like the conventional manufacturers understand the real problem. The OMRI and NOP regulators need to stay in touch with farmers and let the Entrust manufacturer company update the product to make it more effective. If we lose control of CPB with the current formula of Entrust a lot of folks are going to have big problems with their potato crops! This summer we had O.K. control but we planted our crop three miles away from last year's potato fields and I had a top-notch bug scouter keeping us in good shape.

Required Ag Practices Rule Will Affect Vegetable And Berry Farms

The draft rule for Required Agricultural Practices is now available for your review and comment. RAPs were developed as mandated by Act 64, signed into law by the Governor on June 16, 2015, which amended and enacted multiple requirements related to water quality in the State. The "accepted agricultural practices" will be renamed the "required agricultural practices" and will be the minimum standards by which a farm must manage their agricultural operations, as of July 1, 2016 or when finalized. The revised RAPs have been charged to include requirements for: small farm certification, nutrient storage, soil health, buffer zones, livestock exclusion, nutrient management, and tile drainage. Public hearings are being held around the state to explain the rule. You can submit comments by email or regular mail; the deadline is Dec. 18, 2015. See: <http://agriculture.vermont.gov/water-quality/regulations/rap>

MARKET REPORT

Wholesale Prices

November 2015

Wholesale prices paid per dozen for Vermont Grade A brown eggs delivered to retail stores.

Vermont Egg Prices:

Jumbo	\$3.00
X-Large	\$2.75
Large	\$2.50
Medium	\$2.25

Market is steady
and supply is good.

You can find more reports
online at

<http://www.ams.usda.gov/marketnews.htm>

This is the web source for
USDA Market News

**Vermont Agency of Agriculture - USDA Market News**

Addison County Commission Sales — East Middlebury, VT

Livestock Auction Report for November 2015

	Cattle	Calves
This Week:	133	206
Last Week:	140	236

Compared to last sale, slaughter cows sold 2.00 - 4.00 lower with good demand. Slaughter cattle supply included 130 cows and 3 bulls. All prices quoted per cwt.

SLAUGHTER COWS:

	% Lean	Avg. Dressing	High Dressing	Low Dressing	Very Low
Premium White	65-75	80.00	82.50	—	—
Breakers	75-80	73.00-75.00	77.00-80.00	—	70.00-72.00
Boners	80-85	71.00-73.50	—	65.00-70.00	—
Lean	85-90	69.50-72.00	—	60.00-67.00	50.00- 58.00

SLAUGHTER BULLS: 870-1215 lbs: 77.00-102.00

CALVES: When compared to last sale Holstein bull calves sold 10.00-20.00 lower with good demand. All prices per cwt.

HOLSTEIN BULL CALVES:

Number 1: 100-120lbs 247.50-290.00; 90-100 lbs 270.00-300.00; 80-90 lbs not tested; 70-80lbs not tested.

Number 2: 100-120lbs 250.00; 90-100 lbs 250.00-275.00; 80-90 lbs 210.00-225.00; 70-80lbs not tested.

Number 3: 100-120lbs 200.00-220.00; 90-100lbs 180.00-245.00; 80-90lbs 175.00-215.00; 70-80lbs 135.00-202.00.

Utility: 100-120lbs 60.00-130.00; 90-100lbs 100.00-140.00; 80-90lbs 60.00-150.00; 70-80 lbs 50.00-90.00.

HOLSTEIN HEIFER CALVES: 64-93 lbs 80.00-130.00.

Price and grade information is reported by the Vermont Agency of Agriculture-USDA Market News Service. While market reports reflect the majority of livestock sold at each sale, there are instances where animals do not fit reporting categories and are not included in this report.

SOURCE:

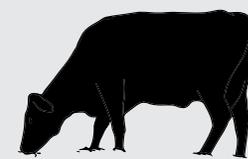
VT Agency of Ag-USDA
New Holland-Lancaster County, PA

Darryl Kuehne
Market Reporter
Cell: 802-793-5348

Levi Geyer, OIC
Cell 717-406-7350 / Office 717-354-2391

http://www.ams.usda.gov/mnreports/MP_LS141.txt

For all USDA Livestock and Grain market reports:
<http://www.ams.usda.gov/LSMNPubs/index.htm>



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Advertising in Agriview

Classified Ads: Free to subscribers only. Limited to two ads per issue, ads will run for two issues. **Must include subscriber number with ad request** (number appears at the top of the mailing label)

Deadline For Ads: 10 days prior to the publication date.

Display Ads: Information available upon request

Classified advertisements must be sent:

- **By mail:** (see address on page 2)
- **By e-mail:** (to Agr-agriview@state.vt.us)
- **Online at:** <http://www.vermontagriculture.com/Agriview/agriviewclassified.html>
- **We do not accept ads over the phone.**

Only items of an agricultural nature will be listed. The only real estate which will be listed are tracts of Vermont land two to five acres or more which are being used or can be used for agricultural purposes. All Feed, Hay and Forage ads must have county, town, and phone number, **and must be renewed each month.**

The Secretary reserves the right to make a final decision on the eligibility of items listed. The editor reserves the right to censor and edit ads. **The Vermont Agency of Agriculture, Food and Markets assumes no responsibility for transactions resulting through advertising in Agriview.** Advertisers are cautioned that it is **against the law** to misrepresent any product or service offered in a public notice or an advertisement carried in any publication delivered by the U.S. Mail.

Ads must be limited to 40 words or less.

Agriview Subscribers can Now Submit Classifieds Online

Agriview subscribers now have the ability to submit their classified ads online.

Subscribers can log on to http://agriculture.vermont.gov/news_media/agriview and submit their ad using the online form.

Classified ads are free to all subscribers — limit two ads per issue. Ads must be 40 words or less. You must include your subscriber number when submitting your ad.

Please take advantage of this service, which will help streamline the classifieds process. For those who are unable to access the Internet, we will still accept classifieds by mail.

If you have questions about classified ads, please contact Faith Raymond at 802-828-1619 or Faith.Raymond@state.vt.us.

Cattle

Registered Jersey cow, \$1000 (11/15)
Tested negative to TB and brucellosis. Currently dry; calf born 4/2013. Running with Jersey bull this summer; hasn't cycled back. Good price to keep or put her in your freezer. Call 802-477-2941. (11/15)

Two Alpine does in milk: \$225 each. Also, 4 Alpine/angora cross kids; study, intelligent with soft coats that brush out (like Cashmere) and can be milked as well. \$45-70 each. Ryegate. Call 803-477-2941.

Registered Jersey Heifer. Born 02/03/15 Sired by Madden. Very nice temperament and size. Asking \$800 Also have a 3 month old Registered Jersey calf. Weaned and ready to go. Sired by Allstar. asking \$500. West Newbury, Vermont Call 802-431-5413 (11/15)

Registered Holstein heifer for sale. born 8/23/2014. Sire is Pax Red, Dam is Super X Toystory. Call 802-379-8018 (11/15)

Two year old Highland heifer to a good home. Very Tame. \$800.00 (802) 446-2118 (11/15)

6 Devon and Devon Cross heifers for sale. Ages 10 months to 2 yrs. Well grown and calm beef animals accustomed to rotational grazing. Also, yearling Devon bull, \$7000 for the group (7), will also sell separately, Plainfield 802-454-8614 (11/15)

3 4-H registered Jerseys for sale. Perfect for small farm or homesteading. One 2 yr old

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in milk and bred back. One 4 month old "heifer" all tame and lead well. 802-222-4769 (11/15)

Registered American Milking Devon herd for sale. 8 cows, 3 heifers – bred and open; 4 young heifers; 2 proven bulls, 10 steers. Sell herd or individually 802-484-5229 email windgatefarm1229@gmail.com (11/15)

6 P.B. Angus heifers, approx. 6 mo's. old - \$5,500.00 / Lot. Individual prices on request. Schroeder Farm, S.Newbury, NH,(603)938-5911. (11/15)

2 certified organic heifers due mid Nov. Jersey Holstein crosses- stanchon trained asking \$1400.00 each 802-254-6982 (11/15)

Dairy cattle, heifers, beef cows, bulls, steers, feeders sheep and goats strong market 413-441-3085 (11/15)

For sale Poultney,VT @\$18,300 an entire herd of full blood registered Low Line Angus 5 bred cows, two 2015 heifer calves One exceptionally calm 5 year old bull, three 2015 bull calves. Reg. numbers upon request. Contact Janet phone 802-287-9170 (11/15)

6 Certified Organic (Dry) Dairy Cows For Sale: Need to sell 6 dry cows this Fall (to make room in barn for calving heifers). 3 are Holstein and 3 are crosses (Dutch Belted/Holstein, Jersey/Holstein, etc.). Call 802-582-9026 or email ron@bedrockfarmvt.com <mailto:ron@bedrockfarmvt.com> for more info. Holstein breeding bull for sale:

Shorthorn heifer calf for sale born 9/17 on mom's milk, started on halter already can/will dehorn -happy to keep until weaned. Please call 802-492-2333 for more information or pictures. (11/15)

6 Certified Organic (Dry) Dairy Cows For Sale: Need to sell 6 dry cows this Fall (to make room in barn for calving heifers). 3 are Holstein and 3 are crosses (Dutch Belted/Holstein, Jersey/Holstein, etc.). Call 802-582-9026 or

email ron@bedrockfarmvt.com for more info. (12/15)

Holstein breeding bull for sale: Holstein breeding bull, about a year old now. Should be big enough to breed by winter! Asking \$750. Call 802-582-9026 or email ron@bedrockfarmvt.com.(12/15)

For sale Poultney,VT @\$18,300 an entire herd of full blood registered Low Line Angus 5 bred cows, two 2015 heifer calves One exceptionally calm 5 year old bull, three 2015 bull calves. Reg. numbers upon request. Contact Janet phone 802-287-9170 (12/15)

Two 7/8 Normande Bulls, six months, 500 lbs., horned, big, strong, docile grazers. One Hereford/Jersey cross, same age, 425 lbs. polled and neutered. \$2.10/ lb. each or \$1.90/lb. for three. We own scales. Photos by email at vtsunrisefarm@gmail.com. 802 579-3834. (12/15)

Two Guernsey heifers for sale out of artificial breeding & artificially bred. One due 1/3/16 other just bred. Very quiet could be family cow. Raised in a small tie stall herd.Sheldon Call 802-527-7974 (12/15)

For Sale: Certified Organic 2 & 1/2 yr old Jersey Cross Heifer. \$800. Please call before 8 pm. 802-348-6303. (12/15)

Several Feeder cattle for freezer, 1000lbs well fed all natural Jack 802-282-2060. (12/15)

Dutch Belted heifers for sale. Ages from 1 month to 1.5 years old. Price starts at \$300 for 1 month old and goes up. We have too many. Call 603-239-4397 or email sarah@manninghillfarm.com (12/15)

Employment

Jasper Hill Farm is a leader in the artisan cheese industry, located in Greensboro VT. We're looking for a Herdperson to manage dairy operations and help us produce high quality milk for cheesemaking. Contact work@jasperhillfarm.com to apply. (11/15)

PIG LLC is a collaboration between Jasper Hill Farm and Pete's Greens, raising pastured pigs fed on cheese whey & vegetables. We're hiring an Animal Manager to oversee our 30 breeding sows, design & build fencing and feeding systems. Contact work@jasperhillfarm.com to apply. (11/15)

ASSISTANT HERD

MANAGER WANTED. RockBottom Farm, in Strafford, VT is looking for an assistant herd manager for our 65-cow organic dairy. Duties include milking, calf care, feeding, cleaning and maintaining production and breeding records. Must be an experienced milker, comfortable working independently, and have a sense of humor when encountering challenges. Full or near full time. Days/hours are somewhat flexible. 802-765-4093. rockbottomfarm@live.com. (11/15)

Herdsperson/Herd Manager Sidehill Farm is an organic grazing dairy in western Mass, producing high-quality yogurt and raw milk. Seeking a skilled cow person to manage our milking herd, and ensure excellent milk quality for our products. Full description at <http://www.sidehillfarm.net/jobs/> (12/15)

Blythedale Farm is seeking experienced dairy farmer interested in buying farm and cheese operation in Corinth. Includes house, barn, creamery on 35 acres plus additional land available. www.vlt.org/blythedale or blythedalecheese@gmail.com (12/15)

Equipment

NH H7220 discbine mower, new in 2012, low usage, excellent condition, \$15,000. NH 782 forage chopper with hay head and electric controls, \$2000. Dion forage wagon, new auger, \$2000. NH 28 blower, \$350. Sold the cows. (802)848-3885 or email fleurymaple@hughes.net (11/15)

2014 New Holland 488 Haybine 9 ft 3 in cut sickle cut regular guards light kit 540 PTO unit is brand new

\$16995. 802-453-3417 Leave Message (11/15)

GMC Sierra 3500 - 2013 dump truck with only 24k miles,also with 10' Fisher V plow used only one season. Asking \$36000 OBO. Call 201 886 2828 (11/15)

Stewart cow clippers \$75. #56 New Holland rake \$600. 802-877-3297. (11/15)

Stainless steel bulk tank for sale 2700 gallons \$2100. (802) 558-8196 (11/15)

For sale/trade-Fort round baler,makes4x5 wet or dry bale, twine tie-want trade / buy same type baler that makes a 4x4 bale. Call 802 -7480-0558 (11/15)

Massey Furgeson 283 loader only; tractor is sold (came off 236; fits other Masseys), loader is for sale. Hydraulic pump, good hoses, tractor mounts \$2700obo 518-645-2697 or info@northcountrycreamery.com (11/15)

'04 GMC 2500HD 4x4 reg cab air tilt cruise am/fm cd 110,000 miles \$7500.00 802-728-6077 (11/15)

John Deere Tractor model 720 gas, 58 horse power. Has been serviced by local John Deere dealer and has a new radiator and starter. Tractor has been used each year got haying and runs well. \$5900.00 802-439-6348 (11/15)

Int 826 4 new tires \$6000, int 140 cultivators, plow, harrows, loader \$12500. Pettibome super 10 cary lift \$6000. Goose neck 12 ton trl \$7000. 9 ton equipment trl\$900, cider barrel 50 gal \$150 802-948-2627 (11/15)

New Hollard 892 chopper both hay and two row corn heads. International NO 56 silo blower short hopper with auger feed. 802-372-4513 (11/15)

GMC Sierra 3500 – 2013 dump truck with only 24k miles, also with 10' Fisher V plow used only one season. Asking \$36,000 OBO. Call 201-886-2828 (11/15)

Back hoe 2 wheel drive price to sell 802-895-4683 (11/15)

WALLENSTEIN FX90 SKIDDING WINCH w screen, 165' cable. Stored undercover. Gently used. Steps up pulling power to 9,000 lbs. Well suited for larger compact and utility tractors. Pull out as much wood as you need for winter. (802) 649-7237 (11/15)

YOKE. 11" Good. \$275 YOKE. 7" Fair. \$100 "Amish" shoeing stocks. Rural heritage plans. Hickory on PT skids. Minor modifications accommodate hoof care for oxen. \$400 DUMP CART, 2 wheels. Oak. Used in parades. Stored under cover. Excellent. \$550 (802)649-7237 (11/15)

1971 Massey Fergusson 165 tractor. 212 CID Perkins Diesel, runs good. Hydraulics rebuilt, new starter, brand new seat. Used haying this season. Bennington. \$3900. (802) 447-9730 (11/15)

For sale, 625 gallon Ambassador bulk tank. Compressor included. \$1,250 ono. Contact Geof at Geofdolman@yahoo.com (11/15)

For sale, 400 gallon Bulk Tank. Mueller model MC. Agitator and compressor included. \$1,000 ono. Email geofdolman@yahoo.com (11/15)

Cam Superline Trailer - 2.5 ton 5x8 feet trailer with a spare tire and battery. Model: 2.5 Cam 508D with 50 to 200 hours on it. The cost of a new one is \$4293. Will sell it to you for \$2900. 802-948-2211 (11/15)

N.H. 166 Hay merger with turn chute - \$3750.00 Case IH 900 cycle corn planter 30" Dry Fertilizer - \$3700.00 Bradford-White 75 gallon LP gas water heater - New, 7 yrs old - \$675.00 Mueller 600 gallon oval Bulk Tank - 2750.00 Call Joe 802-770-0959 (11/15)

300 gallon Sunset Bulk Tank excellent condition \$4200. Fayston, VT. ploughgate@gmail.com 802-345-3601 (11/15)

Int'l 766- Cab- 3300 hrs. \$13,500. NH 1411- 10' Disk mow w/

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rolls..\$7250. NH 1412-10' Disk mower..\$8250. Kuhn GA381GT Rot rake..\$2200. NH 162- 17' Tedder..\$2200. Kuhn Knight 8114 Man Spr..\$10,000 JD 2800 Onland Plows-Auto reset..\$2000. Kuhn 5001THA- 17'- Hyd fold..\$4100. Vicon RS510T-17' Ted..\$2500.

Kuhn Haybob Tedder/Rake Comb..\$750. CIH Transp Disk- 10'..\$1800. Kverkland 2 Btm Plow- New..\$1800. 802-376-5262 www.youngs-milkywayfarm.com (12/15)

For sale, 625 gallon Ambassador bulk tank. Compressor included. \$1,250 ono. Contact Geof at Geofdolman@yahoo.com (12/15)

1998 Ram 2500 club cab with Diamond plow. 4x4, manual transmission, new engine and tires, everything works except brakes. Original owner. Not registered, used only on farm last 5 years. \$2000 OBO. Contact fleurymaple@hughes.net, 802-848-3885. Fleury's Maple Hill Farm, Richford. (12/15)

Int'l 766- Cab- 3300 hrs-Super clean..\$13,500. NH 1411- 10' Disk mower w/ rolls..\$7250. Kuhn GA381GT Rot rake..\$2200. Kuhn Knight 8114 Man Sprdr..\$10,00 Kuhn 5001THA- 17'- Hyd fold..\$4100. Kuhn Haybob Tedder/Rake Combo..\$750. CIH Transport Disk- 10'..\$1800. Kverkland 2 Btm Plow- New..\$1800. Several Harrows & Plows-3btm plows/ 8-10' Disk har/ 16'-3ph Spr tooth har--\$850. Each 802-376-5262 (12/15)

Equipment: Kabota 4-wheel drive tractor model L3200, with front loader, ballast box, and rear-wheel chains. Like new- 200 hours, well-maintained, stored indoors.\$16,000. (802) 874-4361. (12/15)

Heavy-duty fifth wheel off International CO 4070 tractor. Sits on 34" frame. \$250. 1978 F-150, HD, 351 Cleveland, 4 speed hi-lo, cab and chassis, 128K, needs accelerator cable, starts and

runs, \$1,500 802-685-3147 (12/15)

Cam Superline Trailer - 2.5 ton 5x8 feet trailer with a spare tire and battery. Model: 2.5 Cam 508D with 50 to 200 hours on it. The cost of a new one is \$4293. Will sell it to you for \$2900. 802-948-2211 (11/15)

1971 Massey Ferguson 165 tractor. 212 CID Perkins Diesel, runs good. Hydraulics rebuilt, new starter, brand new seat. Used haying this season. Bennington. \$3900. (12/15)

Old style Muller "Free Heater" it WORKS. No reasonable offer refused. Ask for Louis. Please only call 802-989-5883. (12/15)

Two complete working snow plows off 1979 a Ford F-150 frame. One 7' and one 7.5' .

Normal wear, good shape overall. One frame needs a small weld. \$300 each, both for \$500. 802-685-3147 (12/15)

Still Air Incubator & Automatic Egg Turner for sale. New. Never used. Original boxes and literature with items. 41 chicken egg capacity. Can be used for game birds as well. Asking \$60. Call 802-436-3127. {Hartland} (12/15)

Small Livestock TRAILER: -- great for sheep, pigs, etc. 4 by 8 feet, rubber mat on floor, metal roof, metal slat sides, good lights, 2 inch ball, a low rider making it easy to load. We've hauled many sheep safely for long distances. See <http://burlington.craigslist.org/grd/5271056007.html> for photo. \$700. 802-899-4180. juliavblake@comcast.net (12/15)

Wide front end for iH 300 Tractor \$900. Overhead door 12ft wide 10 ft high has 3 glass panels \$750. 802-247-4531 (12/15)

Snow plow for Polaris ATV, 5ft blade, like new conditions \$250 802-886-1473 (12/15)

24 ton brock grain bin like new. 10 ton brock grain bins excellent shape. 530 backhoe 2 wheel drive 802-985-4683 (12/15)

Farm & Farmland

Farm for Sale in Brownington, VT - 134 acres - includes 45 acres tillage and 15 acres pasture. House and barns. Certified organic. Land protected by conservation easement and option to purchase at ag value. Vermont Land Trust seeks buyers who will farm commercially. \$220,000. Call (802) 533-7705 or <http://www.vlt.org/initiatives/perry-farm-for-sale> (11/15)

Farm for Sale or Lease in Wheelock, VT - 256 acres - includes 130 acres cropland. Two houses and barns. Certified organic. Land protected by conservation easement and option to purchase at ag value. Vermont Land Trust seeks buyers who will farm commercially. \$520,000. Call (802) 533-7705 or <http://www.vlt.org/chandler> (11/15)

Farm for Sale in Chester - 263 acres - 45 acres tillage. House, dairy barn, sheds. Land protected by conservation easement and option to purchase at ag value. Seeking buyers to farm commercially. \$396,000. Call (802) 533-7705 or www.vlt.org/crowhill (12/15)

General

Garlic for sale, German Extra Hardy \$10.00/lb for the bulb sizes over 2.5. Under 2.5 is \$8.00/lb. 802-438-2243 (11/15)

Trucking to CVLM every Tuesday, strong prices for beef, sheep, goats, bulls. Jack 802-282-2060. (12/15)

Hay, Feed & Forage

Hay for sale round bales 802.446.2435 (12/15)

First Cut square bales. \$4 per bale. Easy access for loading. Located in Reading(Windsor County.) VT. call 484-7240 between 8am and 8pm, or email srduffy@together.net (12/15)

ORLEANS COUNTY

Organic and conventional haylage in Ag Bago. First and second cut. Organic and conventional round bales dry and wrapped. First and second cut. 802-274-2832 or 802-988-2959 (11/15)

**WINDSOR COUNTY**

First Cut square bales. \$4 per bale. Easy access for loading. Located in Reading(Windsor County.) VT.Call 484-7240 between 8am and 8pm, or email srduffy@together.net (11/15)

Goats

AlpineGlo Farm has several 2015 dairy goat bucklings for sale as well as two 2014 bucks which are ready for this fall's breeding season. All will be ADGA registerable, vaccinated, disbudded, and come from CAE, TB, and Brucellosis free herd. Superior dairy genetics. Visit www.vthorsheshoer.com/sales for details, or call 802-463-2018. Prices start at \$150. (11/15)

Nubian X Alpine goats for sale from small organic herd with top milking lines . Healthy, handsome, black with white markings and horns: sweet-heart yearling buck; yearling doe; 3-year old mother/April daughter combo; gorgeous April buckling. 802-723-4014 (11/15)

Horses & Other Equine

Beautiful 6 yr palomino mare. 14.3 hands up to date on everything. Unregistered good home very important \$2500 802-886-1473 (11/15)

Horse Equipment

1 set leather draft horse harness bio-plastic tigs with bridles and reins, \$350. 1 set bio-plastic draft horse harness with the bridles and reins, \$500. 802-334-6463 or 802-323-4251 (11/15)

Travis sled - holds 14 adults \$800. Front sled only new runners, used to make trails with or could fit under the Travis sled. \$200. Fiber glass posts 4' - 5' .75 - \$1.00. Lots of used electric wire rolled up in small and large pcs. Make an offer. 802-295-2910

(11/15)

Farmi JL400 logging Winch for 30+ horse tractor. Older model, very heavy duty, new clutch plates. \$2100 or trade for 6' 3PH rotary tiller. 802-453-6997 (11/15)

Horse-drawn sleigh. Excellent condition-seats 12-14 people. Wooden bench seats face in toward each other. Asking \$3,000. Call 802-394-7836 or email jonathan@merckforrest.org (11/15)

Rabbits

Angora Rabbits for sale 40.00 each, great fiber for the hand spinner/ fiber enthusiast. Raised with kids, make great pets, inside or out. Please call 802-492-2333 for more information. (11/15)

Sheep

Several black and white yearling ewes from our spinning flock. Lincoln/Corriedale/Merino/Border Leicester/Naturally-colored Romney crosses - \$150. Call 802-874-4182 or email carolyn.w.partridge@gmail.com. (12/15)

Merino sheep - flock of 27 includes 4 rams all with excellent wool \$4,725.00 for all - will not separate Call 802-537-3167 (11/15)

Seven and Eight month old registered BORDER LEICESTER'S for sale. Rams and ewes with excellent genetics, breed characteristics, and wool. Handled frequently, halter trained and grain trained \$250 each. 802-233-2640 or katherineknox11@gmail.com (11/15)

Seven and Eight month old registered ROMNEY'S for sale. Rams and ewes with excellent genetics, breed characteristics, and wool. Handled frequently, halter trained and grain trained \$250 each. 802-233-2640 or katherineknox11@gmail.com (11/15)

For Sale - Yearling Ram, Old English Southdown X. Natural Colored. Very Friendly. \$125.00 Call 802-483-2479 or email holdenhillvt@hotmail.com (11/15)

CLASSIFIEDS

Tunis lambs 9 months old. \$120 each 802-728-6077 (11/15)

Lazy Lady Farm will be offering 3 bred doelings and 4 older bred does this January. All are registered Alpines. The doelings will be bred to Tempo Aquila Jonathan who was purchased this past spring. The adults will be bred to some Redwood Hills bucks and Mamm-Key Farm bucks. Doelings will be priced at \$750 each and the older does will be priced at \$150 each. They will be preg checked before leaving the farm. CAE and CL free herd with a herd average of 2475

lbs. Call Laini, 802-744-6365 or laini@lazyladyfarm.com (12/15)

Sugaring Equipment

Maple Syrup Press, 10", cast iron. Very good condition. \$1,500. (Hartland) Call: 802-436-3127. (11/15)

30 Barrel galvanized steel sap tank with a wooden exterior frame. \$800. [Hartland] Call: 802-436-3127. (11/15)

Swine

Piglets-9 week old Gloucester Old Spot xYorkshire cross. Very vigorous and healthy, raised outdoors and fed non-GMO grain. Growing very

fast \$110 each (802) 394-7836 (12/15)

Wanted

Looking for a buzz saw or cord wood saw to mount on a Farmall Super A. 802-765-4823 or Chevydp@aol.com (11/15)

Looking for a descent McCormick-Deering 100 manure spreader, does not have to be working. 802-765-4823 Chevydp@aol.com (11/15)

Wanted: black angus or black baldy cattle -weaned calves or yearlings call Laplatte River

Angus Farm 802-985-3295 (11/15)

Sickle bar for McCormick deering mowers, either 6ft or 7 ft. 802-877-3297 (11/15)

Squeeze chute for cattle, needing repair ok. Wanted-2x4 or 2x6 wood fired evaporator w/s.s. pans. (802) 748-0558 (11/15)

Wanted: two 28in tractor tires. 802-287-9063 (11/15)

Wanted: manure spreader around 250 bu. preferably with hydraulics tails gate. 802-586-2857 (11/15)

Heavy 3-point hitch counterweight for tractor, such as made with 55-gal drum of concrete. (603) 778-5276 or (802) 439-9132 (11/15)

Wanted: four weaned beef calves born this spring or summer. ideally hereford or angus but open to others. Sweetgrass Farm. email jlewsmith@ezcloud.com or call 472-5084 (12/15)

Vertical Delaval milk pump 1/3 hp 8301755-80 need milk seal call between 9 am & 10 am 223-5747 be sure to ask for Gary or I will not get the message. (12/15)

"I'm Very, Very Lucky That I'm Alive Today"

By George Cook, UVM Extension

Tractor safety is a story we've told time and time again; sometimes I wonder if I'm preaching to the choir. Tractor engineers and manufacturers have come a long way in the designing of equipment that is far safer than ever before. Some of the earlier hazards simply no longer exist because they have eliminated the danger through design. Some are safer due to better guards and shields to keep us away from dangerous moving parts. There are more safety features on modern tractors and equipment than ever before.

While these improvements work well for newer tractors and machinery, it does not address the risks still found on older models, built before the new engineering was researched, designed and implemented. This means that you and I have to be much more diligent and alert to the problems of our older farm

machinery.

Older models expose us to a variety of dangers. These include increased rollover potential, entrapment in unguarded, rotating shafts, gears, pulleys, or knives, crushing injuries from raised equipment that suddenly drops when a hydraulic line blows or getting caught in pinch points and suffering an amputation...the list goes on. Teaching new and younger operators is critical to reducing the chance of injury, along with setting the right example in the first place. Never do something you would not want an employee or loved one to do!

On Tuesday, October 27, Jon Fleming went out to brush hog as he had many times before. A hidden rock and uneven terrain changed everything...in a heart-stopping moment, Jon lay pinned under his overturned Ford 1300 tractor. "I've been using that tractor since 1979, its 35 years old; I've been using it that way for all those years. I'd never thought about it before, but I'll never get on that tractor again without a



Jon Fleming shows a photo of his over-turned tractor.

roll-bar and seatbelt." Roll-bars and seatbelts on tractors became law in 1985. "Looking back, it seems like a no-brainer; I will never, ever get on a tractor again that doesn't have a roll-bar. I wouldn't get on an ATV without a roll-bar and seatbelt...why would I get on a tractor." Jon's recommendation, "It's a small investment that can save your life...I just got lucky, I'm very, very

lucky that I'm alive today. If I'd had the roll-bar and seatbelt, I wouldn't have had to worry about it, the roll-bar and seatbelt would have saved my life."

What else would you share with other tractor operators? Jon says, "Make sure that wherever you're going, whatever you're doing, you let someone know and tell them what part of the property you're on. I usually

do, but this one time I didn't and I got stuck. When I was laying there (2 plus hours), somebody heard me screaming and came to me. The tractor just landed in such a way that it didn't crush me."

Jon sustained internal injuries and severe bruising, but, amazingly...no broken bones. He was extricated from under the tractor and air-lifted to the trauma center, where he recuperated for four days before being released. Jon is now in the process of installing a roll-bar and seatbelt on his tractor, through the Lamoille County Rebates for ROPS program, funds available in through December 31 of this year.

The Vermont Rebates for Roll-bars program has a wait list of nearly 50 tractors due to lack of rebate funds. A National ROPS Rebate Program is under development...funding for rebates also being a critical challenge. For more information go to: www.ROPSR4U.com or call 1-877-ROPS-R4U (1-877-877-7748).

CLASSIFIEDS

Thanksgiving Dinner Up a Tad, to Just Over \$50

By Kari Barbic, American Farm Bureau Federation

The American Farm Bureau Federation's 30th annual informal price survey of classic items found on the Thanksgiving Day dinner table indicates the average cost of this year's feast for 10 is \$50.11, a 70-cent increase from last year's average of \$49.41.

The big ticket item – a 16-pound turkey – came in at a total of \$23.04 this year. That's roughly \$1.44 per pound, an increase of less than 9 cents per pound, or a total of \$1.39 per whole turkey, compared to 2014.

"Retail prices seem to have stabilized quite a bit for turkey, which is the centerpiece of the meal in our market-basket," AFBF Deputy Chief Economist John Anderson said. "There were some production disruptions earlier

Cost of a Thanksgiving Dinner				
2014 vs. 2015 Prices				
Item	2014	2015	Difference	
Misc. ingredients	3.48	3.18	-.30	
Sweet potatoes, 3 lbs.	3.56	3.57	+.01	
Whipping cream, 1/2 pint	2.00	1.94	-.06	
Milk, 1 gallon whole	3.76	3.25	-.51	
Pumpkin pie mix, 30 oz.	3.12	3.20	+.08	
1-pound relish tray (carrots and celery)	.82	.79	-.03	
Green peas, 1 lb.	1.55	1.52	-.03	
Cubed stuffing, 14 oz.	2.54	2.61	+.07	
16-pound turkey	21.65	23.04	+1.39	
Fresh cranberries, 12 oz.	2.34	2.29	-.05	
Pie shells (2)	2.42	2.47	+.05	
Rolls, 12	2.17	2.25	+.08	
TOTAL	49.41	50.11	+.70	

this year due to the highly pathogenic Avian Influenza outbreak in the Midwest. Turkey production is down this year but not dramatically. Our survey shows a modest increase in turkey prices compared to last year. But we're now starting to

see retailers feature turkeys aggressively for the holiday. According to USDA retail price reports, featured prices fell sharply just last week and were actually lower than last year," he added.

The AFBF survey shopping list includes turkey,

bread stuffing, sweet potatoes, rolls with butter, peas, cranberries, a relish tray of carrots and celery, pumpkin pie with whipped cream, and beverages of coffee and milk, all in quantities sufficient to serve a family of 10. There is also plenty for leftovers.

Foods showing the largest increases this year in besides turkey were pumpkin pie mix, a dozen brown-n-serve rolls, cubed bread stuffing and pie shells. A 30-ounce can of pumpkin pie mix was \$3.20; a 14-ounce package of cubed bread stuffing, \$2.61; and two nine-inch pie shells, \$2.47.

"Despite concerns this fall about pumpkin production due to wet weather, the supply of canned product will be adequate for this holiday season," Anderson said.

Items that declined modestly in price were mainly dairy items, including one

gallon of whole milk, \$3.25; miscellaneous items, including coffee and ingredients necessary to prepare the meal (butter, evaporated milk, onions, eggs, sugar and flour), \$3.18; a half pint of whipping cream, \$1.94; and 12 ounces of fresh cranberries, \$2.29. A one-pound relish tray of carrots and celery (79 cents) and one pound of green peas (\$1.52) also decreased slightly in price.

The average cost of the dinner has remained around \$49 since 2011. This year's survey totaled over \$50 for the first time.

"America's farmers and ranchers are able to provide a bounty of food for a classic Thanksgiving dinner that many of us look forward to all year," Anderson said. "We are fortunate to be able to provide a special holiday meal for 10 people for just over \$5 per serving."

Vermont Vegetable and Berry News

continued from page 10

New England Vegetable And Fruit Conference And Trade Show

December 15-17, Manchester, NH. Preregistration ends Nov. 30 after which rates go up. <http://www.newenglandvfc.org/>. The registration fee to attend any part or all of conference is \$115 for the first member of the farm or business and \$85 for each additional member (family or employee) when pre-registered with first member.

There are two concurrent sessions with five presentations each, every

day. Plus there are seven farmer-to-farmer sessions and a trade show with 100+ vendors. Here's a summary of the sessions:

Tuesday am Dec 15: Tree Fruit I, Food Safety, Specialty and Ethnic Crops, Blueberry I, Innovative Ideas for Small Acreage Growing, Beautiful Cut Flowers.

Tuesday pm: Tree Fruit II, Brambles Winter Growing, Harvest and Handling Efficiencies, Blueberry II.

Wednesday am Dec. 16: Stone Fruit, Brassicas, Leafy Greens, Mechanical Weed Control, Strawberry I, On Farm Trials.

Wednesday pm: Hard Cider, Vine Crops Soil Health Farm Decisions:

Scaling Up or Not, Strawberry II

Thursday Dec. 17 am:

Root Crops, Organic Production, Greenhouse Tomatoes, Viticulture I, Technology. Thursday



pm: Sweet Corn, Hops, Greenhouse Container Growing, Viticulture II, Fertilizer Decision Making.

FDA Meeting In Vermont Dec. 14 To Explain Final FSMA Rules

On Monday Dec. 14, from 10am-4:30pm at the Latchis Theater on Main St., Brattleboro VT. Join FDA subject matter experts for an overview of three final Food Safety Modernization Act rules: Produce Safety, Preventive Controls For Human Food, and Preventive Controls For Animal Food. Ask *your* questions about what the rules cover and who must comply.

Free and open to the public. No registration required. This event is accessible to people with disabilities. For more information or to request accommodations such as seating, interpreting, etc., call (802) 522-7811 or AGR.FSMA@vermont.gov in advance of the event. More info at http://agriculture.vermont.gov/food_safety_consumer_protection/fsma

Mark Your Calendars

Jan. 25, 2016. Vermont Vegetable and Berry Growers Assn Annual Meeting, Fairlee.

Feb. 13-15, NOFA-VT winter conference, Burlington.

Clinic Teaches 4-H'ers Tips For Shearing Sheep

By Wendy Sorrell, UVM

The State 4-H Sheep Shearing Clinic, held Nov. 1, provided an opportunity for Vermont 4-H club members to gain valuable tips from a professional sheep shearer.

The clinic, sponsored by University of Vermont (UVM) Extension 4-H, was open to any 4-H'er, age 12 or older, who is enrolled in the 4-H sheep project. It was hosted by Neil and Terri Metcalf at their farm in Addison.

Participants included Jarod and Raymond Bushey, Addison; Caroline Hobbs, Hinesburg; Rebecca Moriarty, Jericho; Willa Shakeshaft, Putnam Station, New York (member of an Addison County 4-H club) and Siri Swanson, Orwell.



Participants at the State 4-H Sheep Shearing Clinic, Nov. 1 in Addison, pose with a newly shorn Romney sheep. They include (from left) Caroline Hobbs, Hinesburg; Siri Swanson, Orwell; Jarod Bushey, Addison; Raymond Bushey, Addison; Andy Rice, Halifax (instructor); Willa Shakeshaft, Putnam Station, New York; and Rebecca Moriarty, Jericho.

Andy Rice, owner of Hoggett Hill Farm in Halifax, introduced the

group to standard practices of shearing including proper maintenance and sanitation of equipment, placement of comb and cutter on the clippers, cutter lubrication, the Australian stroke shearing pattern and conditioning. He also discussed body awareness and safety when working with sheep as well as demonstrated how to shear different breeds and sexes.

Under Rice's guidance, the 4-H'ers learned how to safely position a sheep for shearing (known as seating a sheep). They also practiced shearing using electric clippers.

To learn more about the Vermont 4-H sheep program, contact Wendy Sorrell, UVM Extension 4-H livestock educator, at wendy.sorrell@uvm.edu.

UVM Dairy Science Research Center

continued from page 1

mural funding ever, we couldn't be happier to see this project come to fruition."

The instructional barn and milking parlor will be used by animal and veterinary science majors for a variety of courses and for hands-on research projects during their junior and senior years.

The new barn will also serve as home base for students in UVM's Cooperative for Real Education in Agricultural Management, or CREAM, program. While the program readies students for a variety of fields, from business management to biology, it is especially good preparation for veterinary school, Vogelmann said. In the past three years, every CREAM student who has applied to veterinary school has been accepted, he said.

The 13 to 16 students selected each year for the two-semester, eight-credit program handle all aspects of managing the 50-cow teaching herd, from adjusting feed mixtures to monitoring animal health to handling the business side of the operation. Students also perform all barn chores.

CREAM program students are scheduled to begin using the new barn on Nov. 9. Its capacity to house 50 cows represents a nearly 50 percent increase over the current instructional barn which holds 34 cows.

The larger number of cows will provide a richer experience for UVM students and enable the university to enroll students during the summer from colleges and universities that don't offer dairy herd or large animal management experiences, Vogelmann said, providing a new revenue stream for the university.

Roughly 80 donors have contributed nearly \$500,000 toward the cost of the new instructional barn and milking center. Fundraising continues for the dairy research barn.

UVM's Dairy Center of Excellence has devoted over \$1,000,000 toward dairy research projects since its inception in 2010. UVM Animal and Veterinary Science faculty have recently landed USDA research grants totaling \$8.9M related to dairy topics. The new dairy science research facilities will be used for various aspects of these research trials in conjunction with selected Vermont farms participating in the Dairy Center of Excellence.



The new barn will serve as an immersive teaching laboratory.

THE CEO
reports to
US



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