

# AGRIVIEW



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## Consumer Night Highlights Local Producers, Emerging Meat Goat Industry, and Ag Agency's Culinary Chops

**F**armers, producers, and localvores from across Vermont converged on Wednesday, January 27 for the 5th annual Consumer Night at the Vermont Farm Show in Essex Junction. Held on the second night of the Farm Show, Consumer Night celebrates the diversity of Vermont agriculture with the Winter Buy Local Market and Capital Cook-Off.

The Winter Buy Local Market featured over fifty farmers and producers of local cheese, meat, fruits and vegetables, milk, maple syrup, jams, culinary oils, honey, wine, beer, spirits, wool, and handmade crafts as well as ready-to-eat prepared foods such as Maple Wind Farm's bacon hot dogs and ice cream cones from Kingdom Creamery. Over 500 people shopped and grazed their way through the local product booths, and

Hannah Reid



three raffle prizes were awarded to lucky Buy Local Market customers.

After a long day of debate in Montpelier, members of the Vermont House of Representatives' Committee of Agriculture arrived just in time to compete the Capital

Cook-Off against members of the Vermont Senate Committee of Agriculture and the Vermont Agency of Agriculture. Hosted by Vermont Secretary of Agriculture Chuck Ross and Deputy Secretary Diane Bothfeld, the Cook-Off gives teams

*Top chefs from the Vermont Agency of Agriculture celebrate their victory: Tomia Emmons, Matt Wood, Hunter Thompson, Alan Graham, and judge/Champlain Valley Union High School Student, Eva Rocheleau*

only one hour to shop the Buy Local Market and prepare an attractive, delicious, and locally-sourced dish.

Shirley Richardson of Vermont Chevon presented the cook-off's secret ingredient: local chevon, or goat meat, while Representative Carolyn Partridge of Brattleboro shared a bonus secret ingredient from her own garden: Gilfeather turnip. The Gilfeather, a Vermont original, is currently under consideration to become the official state vegetable.

The use of chevon highlighted the emerging goat meat industry in

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## AGRIVIEW

**Vermont Agency of Agriculture, Food & Markets**

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## THE VIEW FROM 116 STATE STREET

The Agency of Agriculture's responsibilities run wide and deep. Many of our programs, from Farm to School, to Water Quality regulation, are well-known to Vermonters. But did you also know we inspect bee hives, ensure customers are fairly charged at the supermarket deli counter, and help sugarmakers grade their maple syrup. And that's just the beginning. I am very proud of the work we do here at the Agency.

If you'd like to know more about all the ways we support the growth and viability of Vermont's Working Landscape, I'd encourage you to read our

2015 Annual Report. It is available online at [www.agriculture.vermont.gov/about\\_us/budgets\\_reports](http://www.agriculture.vermont.gov/about_us/budgets_reports). It will give you a more complete picture of the many ways our staff is fulfilling our mission: to facilitate, support and encourage the growth and viability of agriculture in Vermont while protecting the working landscape, human health, animal health, plant health, consumers and the environment.



## UVM Extension Receives Grant to Test Precision Technology to Manage Manure

By Heather Darby, UVM Extension

The University of Vermont (UVM) Extension has received a two-year grant from the State of Vermont to help farmers improve manure management in Franklin County.

The grant, led by Dr. Heather Darby, is part of the state's Ecosystem Restoration Program, a competitive grant program administered by the Vermont Agency of Natural Resources Department of Environmental Conservation. Darby and her UVM Extension Northwest

Crops and Soils (NWCS) team have been working with livestock farmers to optimize crop nutrient use to help protect water quality while producing high-quality and high-yielding crops. The new grant will provide funds to test the use of precision technology to improve manure management in the Jewett Brook Watershed.

The project will use Global Positioning System and Geographic Information Systems to help detect fluctuating nutrient needs within individual farm fields and then

enable manure spreaders to adjust application rates to apply just the right amount of manure to meet those needs.

Precisely controlling the application of manure will help farmers optimize this important on-farm nutrient, saving them money and improving the overall health of the soil as well as protecting sensitive environmental areas. If successful, this may become another tool that producers can use to adhere to fertility recommendations in their nutrient management plans.

Darby and her NWCS team expect to test these precision technology tools on two types of manure spreaders on 1,500 acres over the two-year project period. They will host at least two demonstrations of these tools for interested farmers in the St. Albans Bay Watershed and Franklin County areas.

More information about NWCS research and outreach work, including events regarding this project, can be found at [www.uvm.edu/extension/cropsoil](http://www.uvm.edu/extension/cropsoil).

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### Consumer Night

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Vermont, represented not only by Vermont Chevon but also by Huard Family Farm of Craftsbury (a Buy Local Market vendor) and Pine Island Farm in Colchester (a Farm Show exhibitor). Goat meat, the most widely consumed meat in the world, has gained increasing attention from Vermont chefs and consumers while adding value to Vermont's dairy goat industry by utilizing surplus livestock.

After a demanding hour of cooking, all three teams demonstrated creativity and culinary skill in turning chevon, Gilfeather turnip, and dozens of other local ingredients into delicious meals. A team of 2015 Junior Iron Chef Vermont champions from Champlain Valley Union High School—Jaida Breck, Emily Gilman, Kaitlin Robert, Madison Tobrocke, and Eva Rocheleau—also participated

in the competition and judging.

A team of judges—including Andrew Burke of Scout & Co., Clarina Cravins of Healthy Living, Steve Marinelli of Milton Schools, Sally Pollak of the Burlington Free Press, Brian Roper of Sodexo, Lt. Governor Phil Scott, Lyndon Virkler of New England Culinary Institute, and Allison Weinhagen of City Market—declared the Vermont Agency of Agriculture team the Capital Cook-Off champions for the second year in a row.

The team's winning dish, a goat meat stew, featured St. Hilaire Family Farm's black currant marinade along with onions, garlic, celery, carrots, tomatoes, spices, and fresh local herbs. The stew was presented on a bed of mashed Gilfeather turnip and served with biscuits made with bacon and smoked maple syrup—by all accounts, the flavorful biscuits put the team's dish over the top and

into the winner's circle. However, all three teams' scores were close, and everyone appeared to enjoy the friendly competition. The Agency team members—Tonia Emmons, Alan Graham, Hunter Thompson, and Matt Wood—were thrilled with their dish and say they were proud to have participated in such a fun and exciting event celebrating local foods.

Consumer Night attendees also participated in Vermont's Universal Recycling and Composting Initiative, with help from the Agency of Natural Resources and Chittenden Solid Waste District Waste Warrior volunteers who demonstrated how to keep recyclables and food scraps out of the trash.

For more information about Consumer Night, visit VAAFM's Consumer Night page at <http://go.usa.gov/cjU84> and Buy Local Markets page at <http://go.usa.gov/cBC9e>

*"You gotta know it, it's electric!"*

## Common Electrical Hazards Found on Vermont Farms

By Shawn Barth  
Occupational Safety  
Consultant  
Project WorkSAFE VT

Electricity is often described as a current similar to that of a river. The flow of the river's current can be compared to the amperage of an electrical circuit, rocks and logs diverting the flow of the river represent the resistance, and the volume of water going through the stream represents the voltage. Both electricity and rivers are safe under normal conditions but can become dangerous when precautions are not taken to assess hazards relative to both currents.

### Enclosing Electricity

Electrical components which operate at 50 Volts or higher are required to be entirely enclosed. Common examples of inadequately enclosed electrical devices include junction, outlet or switch boxes. Missing knockout covers, faceplates, and panel switches all result in



*Missing ground pin*

an electrical devices that are not properly enclosed. When covers are placed on unused openings, such replacement covers are required to be rated and designed for such use; placing duct tape over an unused electrical opening does not offer the same protection as a covering designed for that application. It is recommended that all electrical devices are assessed monthly to verify enclosures are free of unused openings.

### Safe Extension Cord Use

Extension cords are helpful in providing power to appliances far from permanent electrical fixtures. This temporary convenience is often implemented on a permanent basis resulting



*Insulating jacket pulled from cord-end plug*

in misuse and damage of that extension cord. Safety regulations require extension cords to be continuously implemented for a period no longer than 90 days. Extension cords are also subject to damage on a routine basis by being stepped on, run over by vehicles and laid through doorways or around corners. Such chronic exposure can damage insulation, resulting in the exposure of live electrical current. Grounding pins are often removed from plugs which may allow electrical current to flow through whatever it may come into contact with instead of the grounding conductor. Vermont Occupational Safety and

Health Administration (VOSHA) regulations require extension cords to be inspected prior to every use, here is a list of inspection criteria for your daily inspections!

- Insulation is not damaged to a degree where internal wiring is exposed.
- Electrical tape is only allowed to repair minor nicks that do not completely penetrate insulation.
- Insulation is fastened into cord-end plugs as so that internal wiring is entirely enclosed.
- Grounding pin is attached to extension cord plug.

### Ground Fault Circuit Interrupter's (GFCI)

Outlets are required to be outfitted with Ground Fault Circuit Interrupters (GFCI) in locations where water is likely to be present, such as dairy parlors, vegetable washing facilities or outdoors. If a GFCI detects a 5 milliamp fault it will de-energize power to that outlet, protecting one from hazardous exposure to electricity. When skin is wet, resistance to electrical current is reduced to 1,000 Ohms from 100,000 Ohms in dry conditions. The potential for a fault to occur

in wet conditions is much more likely as resistance to electrical current is significantly decreased.

This is a brief summary of electrical safety which does not review all electrical hazards which can be found on farms. We encourage you to review the additional information found in the References below. If you have any further questions regarding electrical safety or occupational safety and health in general, please feel free to contact me at either my email or phone number listed below.

Wishing everyone a safe and healthy 2016!

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Project WorkSAFE VT  
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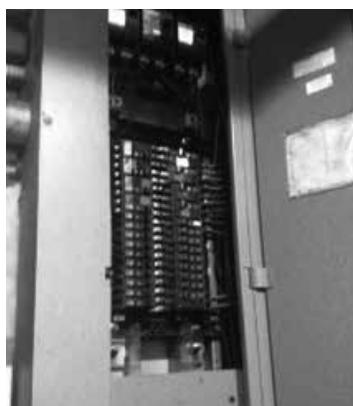
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*Missing knockout*



*Missing faceplate*



*Missing panel cover*



*Internal wiring exposed*

# Vermont Offers Year-Round Freshness with Winter Farmers' Markets

By Laura Peter, Vermont Department of Tourism

Vermont is a pioneer of the farm-to-table movement, and it boasts more farmers' markets per capita than any other state in the country. Fresh produce, crafts, baked goods, meats, and specialty foods are available nearly year-round. If you're visiting Vermont between November and April, check out these winter farmers' markets. Find more exciting Vermont events at [www.VermontVacation.com](http://www.VermontVacation.com)



The Burlington Farmers' Market

Vermont Farm to Plate

## Bennington Farmers Market

Through April 16  
Baptist Church on East Main, Bennington, VT  
First and third Saturday, 10am-1pm

## Brattleboro Farmers Market

Through March 26  
Robert H. Gibson River Garden, 157 Main St., Brattleboro, VT  
Saturdays, 10am-2pm

## Burlington Farmers Market

Through April 2  
Memorial Auditorium, Corner of Main St and S. Union, Burlington, VT  
Select Saturdays, 10am-2pm

## Caledonia Farmers Market

Through April  
Welcome Center, Railroad Street, St. Johnsbury, VT  
First and third Saturday, 10am-1pm

## Capital City Farmers Market

February 6 & 20,  
March 5 & 19, April 2 & 16  
Montpelier High School, Montpelier, VT  
Saturdays, 10am-2pm

## Dorset Farmers Market

Through May 1  
J.K. Adams, 1430 Route 30, Dorset, VT  
Sundays, 10am-2pm

## Feast and Field Market

February 11th, Thursday Evening Dinner Market (5-7:30 pm)  
Barnard Town Hall, Barnard, VT  
February 27th, Saturday Brunch Market (10am - 1pm)

## Groton Growers Farmers Market

Through May  
Groton Community Building, Groton, VT  
Every third Saturday, 10am - 1pm

## Middlebury Farmers' Market

March 5-April 30  
Mary Hogan Elementary School | 201 Mary Hogan Drive, Middlebury, VT  
Every Saturday, 9:30am - 1:00pm

## Northfield Farmers Market

Through April 3  
Plumley Armory, Norwich University, Northfield, VT  
1st Sunday, 11am - 2pm

## Norwich Farmers Market

Feb 13 & 27, Mar 19 & 26, Apr 9 & 23  
Tracy Hall, 300 Main St. Norwich, Norwich, VT  
Select Saturdays, 10am-1pm

## Vermont Farmers Market

Through May 7  
Vermont Farmers Food Center, 251 West Street, Rutland, VT  
Wednesdays, 3pm-6pm  
Saturdays, 10am-2pm

## Windsor Farmers Market

Through May 21  
Windsor Welcome Center, 3 Railroad Avenue, Windsor, VT  
First and third Saturday, 11am - 2pm



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## Iowa Farmer To Speak At 2016 Vermont Organic Dairy Conference

By Deb Heleba, UVM Extension

A Midwest farmer with an innovative approach to managing his operation to produce high quality organic dairy products will be the keynote speaker at this year's Vermont Organic Dairy Producers Conference.

Francis Thicke will discuss how he uses nature's ecology as a model to design and manage his farm to improve the health of soils, forages and livestock at the March 10 conference at Vermont Technical College

in Randolph Center. Thicke and his wife, Susan, operate Radiance Dairy, an 80-cow certified organic farm in Fairfield, Iowa. Thicke has a Ph.D. in agronomy and soil fertility and is currently serving on the U.S. Department of Agriculture's (USDA) National Organic Standards Board.

University of Vermont (UVM) Extension's Northwest Crops and Soils Program and the Northeast Organic Farming Association of Vermont's Organic Dairy and Livestock Technical Assistance Program are joint sponsors for the conference,

which costs \$25 to attend. Lunch is included for all registrations received by March 3.

Registrations will be accepted online ([www.uvm.edu/extension/organicdairy](http://www.uvm.edu/extension/organicdairy)) or by mail. Checks, made payable to University of Vermont, may be mailed to UVM Extension, Attn: Organic Dairy Conference, 278 South Main St., Ste. 2, St. Albans, VT 05478. Anyone requiring a disability-related accommodation to participate is asked to contact Susan Brouillette at (802) 524-6501, ext. 432, by Feb. 25.

In addition to Thicke's talk, the morning program will include a presentation by Sabrina Greenwood, UVM Department of Animal and Veterinary Sciences, on her research on feeding strategies on

organic dairies to optimize nutrition management and animal productivity. Ryan Patch, Vermont Agency of Agriculture, Food and Markets, will provide an update on the agency's new Required Agricultural Practices.

Following lunch, a panel of "next generation" scientists will share their research. Keena Mullen, a postdoctoral scholar at North Carolina State University, will discuss the results of her research evaluating herbal treatments to treat and/or prevent mastitis. UVM doctoral students Melissa Bainbridge and Caleb Goossen will talk about their research on the effect of pasture and other fresh forages on animal production and the fatty acid profile of milk.

They are followed by a farmer panel on soil

improvements, led by Heather Darby, UVM Extension agronomist, who will present the latest UVM research on fertility management on organic dairy farms. The farmers will discuss their strategies to build farm soils to yield high quality and quantity feed for their cows.

Support for the conference has been provided by several sponsors including Organic Valley/CROPP Cooperative, Morrison's Custom Feeds, Stonyfield Organic, Upstate Niagara Cooperative, Yankee Farm Credit and the USDA's Natural Resources Conservation Service, Risk Management Agency and National Institute for Food and Agriculture.

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# Revised Decision Issued Regarding Farm Best Management Practices In Missisquoi Bay Basin

*Helps to Implement Vermont's New Water Quality Law, Ends Conservation Law Foundation Lawsuit*

By Ryan Patch, VAAFM

Vermont Secretary of Agriculture Chuck Ross has issued his revised decision regarding the Conservation Law Foundation (CLF) petition to require mandatory Best Management Practices (BMPs) for farms in the Missisquoi Bay Basin. The revised Secretary's decision makes a threshold determination that BMPs are necessary in the basin to achieve compliance with Vermont's water quality goals.

"Since my initial decision, Vermont has adopted landmark water quality legislation, Act 64, the Vermont Clean Water Act," said Ross. "The Agency, coordinating with CLF, has

responded to this directive from our lawmakers, and my revised decision contains a framework under which the Agency of Agriculture and Vermont farmers will continue to work together to improve agricultural water quality in the Missisquoi Bay Basin."

"I believe the farm assessment and BMP implementation timelines we negotiated in good faith with CLF align well with the implementation plans required by the Total Maximum Daily Load and Act 64," Ross added. "I would also like to thank CLF for their forthright collaboration throughout this process as we worked to develop a settlement which will be workable for farmers as well as meet Vermont's

water quality goals."

The Secretary determined that BMPs are generally necessary on farms in the Missisquoi Bay Basin watershed to achieve compliance with state water quality goals. BMPs are site specific conservation practices beyond those required by the Required Agricultural Practices regulations.

In May 2014, CLF petitioned the Agency to impose mandatory BMPs on farms in the Missisquoi Bay Basin. In a November 2014 decision, the Secretary denied the petition. CLF appealed to the Vermont Superior Court in December 2014. On June 16, 2015, Governor Shumlin signed into law Act 64. The new legislation changed

considerations that formed the basis for the Secretary's initial decision. Given the new legislation and CLF's appeal, the Secretary revised his earlier decision. The proposed revised decision was put out for public comment and the Agency held a public hearing in St. Albans on November 12, 2015 to provide farmers and other affected citizens and stakeholders an opportunity to be heard. The issuance of the Revised Secretary's Decision today is one of the final steps in settling the CLF petition and lawsuit.

The revised decision provides a framework for outreach, education and assessment of farms in the watershed and a process for farm-specific development and implementation of

a Farm Plan to address identified water quality resource concerns, where needed. Farm assessments may conclude that practices required by the RAPs are sufficient to protect water quality and that BMPs may not be required due to a farm's specific characteristics or management.

The Secretary's revised decision can be found at <http://agriculture.vermont.gov/water-quality/news-events/clf-petition> or a copy can be requested by calling the Agency at 802-828-2431. The Agency is providing a copy of the decision to Missisquoi Bay Basin farms and stakeholders who submitted public comment. The Agency is also posting notice of its decision in area newspapers.

## USDA To Measure New England Grape Production And Value

By Gary Keough, USDA NASS

According to the 2012 Census of Agriculture, the number of New England grape growers and the acres planted to grapes continued to show substantial growth over the last few years. To learn more about the trends of New England grape production, the U.S. Department of Agriculture's National Agricultural Statistics Service (NASS)

is now conducting the 2015 New England Grape Production and Processing Survey.

"The New England Grape Industry has been asking for more data on the types of grapes grown and the value of production," said Gary Keough, State Statistician of the NASS New England Field Office. "This is an opportunity for New England grape growers and processors to provide more detailed data to that shows the economic importance of

their industry."

NASS will mail the survey in late-January to all grape growers and processors in New England. The survey will look at the acreage, production, value of production, and utilization of the 2015 grape crop.

"The results of the survey will help show the importance of grape production in New England," Keough noted. "In addition, the information can help producers make informed decisions about the future



of their own farming operations."

Recipients are requested to respond by mail by February 29, 2016. NASS will publish the results

in April 2016. For more information about the New England Grape Production and Value Survey, call (603) 227-3129.

# 2015 Was Another Banner Year For Food and Farming in Vermont

By Chuck Ross,  
Secretary, VAAFM

We are well into February, so I don't want to let another issue pass without taking a moment to celebrate all Vermont farmers and food producers accomplished in 2015. It was another very successful year for agriculture in Vermont. The Ag sector continues to be a bright spot in Vermont's economy – creating jobs, enhancing the Vermont brand and our reputation for quality, and preserving our working landscape.

The local food movement continues to thrive, providing our communities with access to healthy, fresh food. Our specialty foods – including cheese and maple – continue to receive national acclaim.

Here are just a few of the food and farming highlights we celebrated in 2015:

## Our Cheese is Tops!

- Vermont Cheese dominated the 2015 American Cheese Society Awards
- 46 of the 355 ribbons awarded at the 2015 American Cheese Society Competition went to Vermont cheesemakers, including 13 for first place
  - First place awards for Jasper Hill, Cabot, Consider Bardwell, Franklin Foods, Parish Hill Creamery, Spring Brook Farm, Sweet Rower Farmstead, Vermont Creamery,



Matteo Kehler of Jasper Hill.

## Vermont Shephard

- Best in Show for: Jasper Hill

## Vermont Specialty Food Producers Reign Supreme!

- Vermont specialty food companies take home 5 gold SOFIs (Specialty Outstanding Food Innovation) awards
  - Big Picture Farm (2 golds for Raspberry Rhubarb goat's milk caramel and Chai goat's milk caramel)
  - Fat Toad Farm (Outstanding product line for their goat's milk caramel)
  - Vermont Creamery (Cultured Butter Sea Salt)
  - Wozz! Creative Kitchens (Kiwi Lime Salsa)



A proud Big Picture Farm goat admires her SOFI

## Best Beer in the World

- According to *Beer Advocate*, we make some of the best beers in the world... 11 of their top 250 beers in the world are produced right here in Vermont by the Alchemist and Hill Farmstead Brewery.

## Dairy & Meat Processing Boom...

- Tremendous growth in meat and dairy processing sectors
  - 23 new meat facilities (including packing plants, slaughterhouses, and pre-packaged retailers) have come online in the past 12 months, creating skilled jobs, expanded capacity, and economic opportunity for Vermont's farmers. State total: 1922 facilities
  - 20 new dairy processing facilities have come online since January 2015, with 10 additional plants under construction. We also have 4 plants undergoing multimillion dollar upgrades with new equipment and products. State total: 135 processing facilities

## We Lead New England in Dairy!

- 63% of all the milk in New England is produced right here in VT
- Dairy brings \$2.2 Billion in economic activity to our state each year
- Sales of VT dairy products exceed \$1.3 billion annually

## Syrup is as Sweet as Ever!

- We continue to be the national leader in maple syrup, producing more than 41% of the nation's maple crop.

- We have 4.5 million taps in the state!

## Creating Jobs, Preserving Our Landscape...

- Working Lands grants supported the creation of 65 new jobs this year

## Domestic Export Expands our Vermont Brand...

- "Harlow's Vermont Farm Stand" at Boston Public Market, a partnership between Harlow Farm in Westminster, Agency of Ag, and the Department of Tourism, now features 35+ Vermont products.
  - More than 1 million shoppers are expected at the market annually!
  - Exposure for our best-in-class-products, right in the heart of Boston
- The Vermont Building at the Big E = huge economic opportunity
  - In 2015, 29 companies exhibited their products at the building grossing \$1.68 million in sales
  - More than 1 million visitors experienced the Vermont brand in the Vermont Building!

Thank you for your continued support of Vermont agriculture. I am looking forward to all we will accomplish together in 2016!

# Vermont Farm to Plate Network Featured on CROPP Cooperative/Organic Valley Blog

*Note: This article was originally published on the Rootstock Blog (CROPP Cooperative/Organic Valley)*

Complain all you want about the government, but it has historically stepped up to the plate, if slowly, to take action on the issues of the day. In most cases, two conditions precede such action: A cultural and political shift at the grassroots level, combined with undeniable problems that cry out for coordinated solutions.

Looking for examples? The popularity of walking and biking combined with the problems related to congestion and sprawl gave rise to municipal and state “smart growth” initiatives that have reshaped many cities. Environmentalism spawned widespread concern over climate change, energy costs, and dependence, which spurred municipal “sustainability” masterplans all around the nation.

And now Vermont is leading the way in what is inarguably one of today’s most vital issues: Our food supply. On the grassroots side stands a groundswell of interest in local and organic food—a broad coalition that everyone from suburban moms to downtown celebrity chefs to rural farmers. And the undeniable problem? The mounting costs—environmental, health, and economic—of an

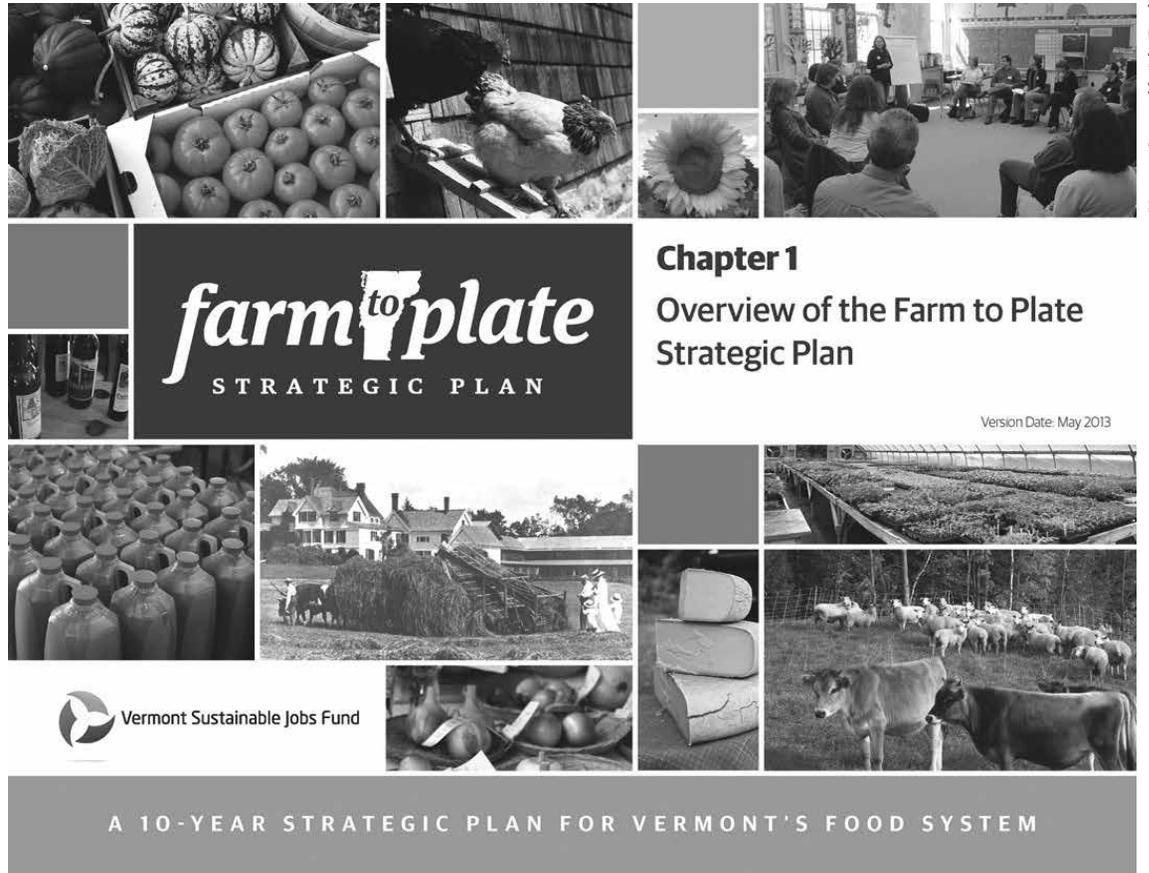
industrial food system that relies on massive petroleum-based inputs.

Seven years ago, the Vermont legislature stepped up to the plate—literally—when it enacted an innovative Farm to Plate plan. It’s an ambitious 10-year project, coordinated across a wide variety of organizations, to improve the quality and infrastructure of the state’s local food systems.

At the heart of Farm to Plate are a set of 25 ambitious goals covering a wide range of food-related issues. These include items like increasing access to local foods, improving the food distribution network within the state, increasing the number of farms—and their profitability, and improving access to capital for food entrepreneurs.

And the state’s methods are as unique as its goals. To enact the legislation, the state created a broad coalition of farms, food producers, educational institutions, non-profit organizations, financial institutions, and government entities: the Farm to Plate Network. This broad coalition is divided into five working groups with seven additional “cross-cutting teams” that handle issues—for instance, energy or financing—that impact each of the working groups.

The results of this multi-pronged approach, not surprisingly, have put Vermont at the forefront of



*The Farm to Plate Strategic Plan*

the local food movement. Since implementation of the state’s food system plan began in 2011, the economic output of Vermont’s food system has grown at a rate of 24 percent (faster than manufacturing), thanks in part to a renewed focus on connecting institutional food buyers to local and regional growers. Along with that growth has come an increase in food entrepreneurs and food-related jobs.

And at the table itself? More healthy local foods on the plate. “The challenge lies in how local food becomes mainstream,” the network’s communications director Rachel Carter recently told the *Burlington Free Press*.

“Vermont food should be available and accessible for all Vermonters. Eating local food should be the norm, not a privilege.”

Organic Valley is

committed to building a just and sustainable local food system and is proud to support the Vermont Farm to Plate Network in its efforts.

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# Carnations—A Classic Cut Flower

Dr. Leonard Perry,  
Horticulture Professor  
University of Vermont

Carnations are one of the most popular and classic cut flowers and, in fact, the most popular one world-wide after roses. What makes them popular is that they're inexpensive, long lasting compared to many cut flowers, fragrant, and come in most any color. They are no longer just limited to prom boutonnieres and funeral bouquets as in the past. You can find them from grocery stores to florist shops year round and, depending on time of year, in many other outlets.

The carnation (*Dianthus caryophyllus*) is native to Eurasia and means "flower of the gods." This "divine flower" grew wild on hillsides in Greece, and was first named by the Greek botanist Theophrastus for the Greek words referring to the god Zeus (dios) and flower (anthos). Its first known historical reference is its use in garlands by Greeks and Romans. The common name may come from the words coronation or corone (flower garlands) from this first use of them.

The first carnations were imported to this country in 1852—a shipment of

French carnations to a Long Island grower. These came originally from a strain first registered in France in 1842. Within 20 years, there were 54 varieties of carnations listed by this American grower.

In the United States, the production of carnations was centered in the Northeast until the middle of the 20th century. One of the most popular series of all time, the Sim series, was developed by Saugus, Massachusetts breeder William Sim, a Scottish immigrant who first bred these in his Sim's Carnation greenhouses in 1938.

Production then moved west to Colorado and southern California, which have the high light and cool night temperatures that carnations need to grow best. Today, most of the world production is in Columbia, with some production still in those two western states.

During the peak cut-flower season, there are 30 to 35 flights daily from Columbia (mainly into Miami) of carnations (over \$156 million worth), and other cut flowers. Additionally, major carnation producers are in Israel, Kenya, and Spain. So the carnations you buy locally really are international travelers.

Carnations are attractive both as a single bloom in a bud vase, as a mass of blooms in a larger vase, or mixed in with other flowers in arrangements and bouquets.

Miniature or spray carnations have sprays (botanically called "cymes") of five to six flowers per stem, with smaller blooms. You can mix and match colors, or stick to carnations of the same color, arranging with similar or contrasting colors of other flowers. (Don't forget some fern or other foliage leaves if making your own arrangement.)

On the botany and anatomy of carnations, leaves are quite narrow, sparse up the stems, with a waxy surface and generally bluish-green to grayish-green. Their blooms are bisexual—having both male and female parts. They're about two to three inches across, smaller for the mini types, and highly ruffled. Like many flowers, carnations don't come in blue, lacking the pigment "delphinidin." So in the mid 1990s, the first blue-violet and purple types were produced genetically by inserting genes into the carnation from petunias and snapdragons.

The strongly and pleasantly fragrant flowers are available in many colors. The most popular "natural" colors are red, white, and pink. You also can find bicolors with different colored petal edges. In addition, white flowers are



often dyed to create solids like green, blue, purple, or even black.

I've seen gorgeous arrangements all with variations of red, pink and white; or another combination with all tints and shades of purple, lavender, and white.

In the *Language of Flowers*, popular first during Victorian times, special meanings have been attributed to different colors. For instance, pink means mothers' love or gratitude, light red means admiration, dark red means deep love, white symbolized pure love or remembrance, striped denotes regret or refusal, purple capriciousness, and yellow both cheerful as well as rejection. You might check these meanings before giving them as a gift. Carnations, too, are the birth month flower for January.

One Christian legend behind the pink meaning was that this flower first appeared on Earth as Jesus carried his cross. Carnations sprung up from where the tears shed by the Virgin Mary fell. Hence, pink became a symbol of a mother's love, and is often worn on Mother's Day.

Being a common global flower, the carnation

has various other meanings depending on the country. In the Netherlands, the white carnation is worn in remembrance of veterans, and the resistance in World War II. In Portugal, bright red carnations represent the 1974 military and civil coup, which is

often referred to as the Carnation Revolution since so many were worn or put into muzzles at the end. Red carnations, similarly, symbolize socialism and the labor movement, and have been worn on International Workers' Day (May Day).

You can create magic at home (a great project for children), changing white flowers to other colors with the use of food coloring. Just add a few drops to a glass of water, add the bloom stem (recut first before adding to the water), and let it absorb the new color.

For a unique display, hang orbs or balls of carnations from the ceiling. You will need a large ball of florists' foam (available from florists and craft stores, these "bricks" hold lots of water and the stems). Tie several blocks together, then shape them with a knife into the shape you desire. Use ribbon or florists' wire (a thin green wire) to hang the ball. Soak the foam so it's nice and wet. Then cut the flower stems to about one and one-half inches, and simply push the stems into the foam until the ball is completely covered.

*continued on page 15*

## Secretaries of Agriculture, Natural Resources Submit Joint Interim Report on Subsurface Agricultural Tile Drainage

By Ryan Patch, Vermont Agency of Agriculture, Food & Markets and Marli Rupe, Vermont Agency of Natural Resources, Department of Environmental Conservation

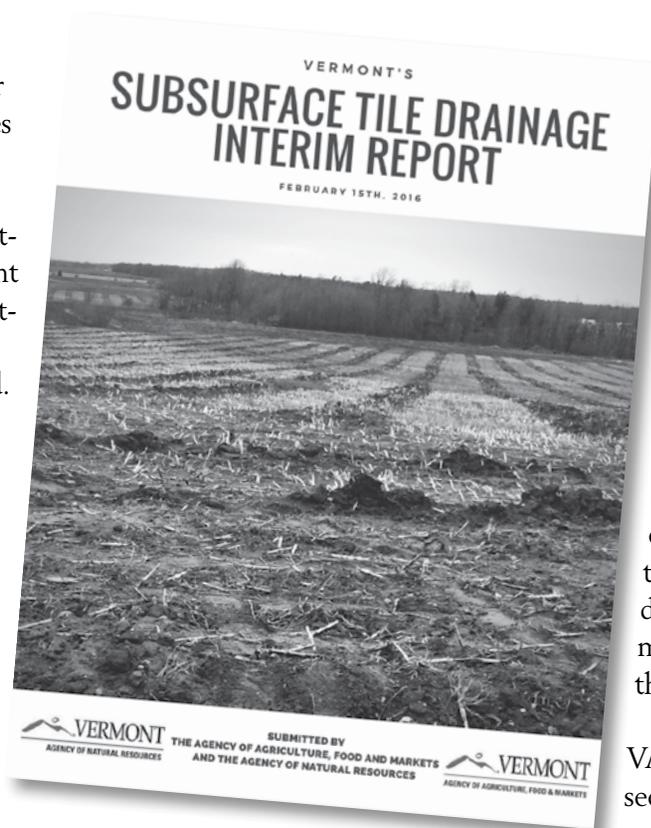
Vermont's Secretary of Agriculture, Chuck Ross, and Vermont's Secretary of Natural Resources, Deb Markowitz, have jointly submitted the interim report on subsurface agricultural tile drainage to the Vermont General Assembly. The Subsurface Tile Drainage Interim Report is a summary of the progress the two agencies have made in preparing a final report on tile drainage, which is due to the Legislature in January, 2017. The interim report is available on the Vermont Agency of Agriculture, Food and Markets (VAAFAM) website: <http://agriculture.vermont.gov/water-quality/news-events/tile-drainage>

As requested by the General Assembly, the interim report summarizes assumptions and facts about the use and impact of subsurface tile drainage on Vermont's farms and waters. A literature review of current research around North America, and ongoing studies in Vermont, will further inform recommendations for management of tiles drains in the final report. The Lake Champlain Basin Program is funding a tile drainage review of literature, which is due in the spring of 2016. The Interim Report provides context regarding the use of subsurface agricultural tile drainage in Vermont, out-

lines changes in the practice over time, summarizes the benefits and impacts of tile drainage, and outlines management strategies currently available and being researched.

"This joint Interim Report continues the 'all in' collaboration that the two Agencies have delivered over the past five years to develop goals and strategies to clean up Lake Champlain and implement the Vermont Clean Water Initiative," said Markowitz. "Vermont's Clean Water Initiative addresses all sectors impacting our waters—roads, wastewater treatment facilities, developed lands, forests and farms—and strategies are in place across those sectors to protect and improve Vermont's water resources."

While this report provides an interim assessment of the benefits and costs of tile drainage for farms and impact on waters, the final report will more fully describe current scientific research relating to the environmental management of agricultural tile drainage and how tile drains contribute to nutrient loading of surface waters. The final report will also include recommendations on how to best manage tile drainage to prevent or mitigate the contribution of



tile drainage to water quality in Vermont's surface waters. Likewise, the final report will identify knowledge gaps and areas where further study is needed, as well as opportunities for further investment in this field of research.

As required by Act 64 of 2015, the Vermont Agency of Agriculture, Food and Markets (VAAFAM) will be revising the Required Agricultural Practices (RAPs) in 2018 to include requirements for tile drainage on Vermont's agricultural land. Secretary Ross elaborates, "This interim report is an important step towards delivering a final report in 2017 which will frame the RAP tile drain rule revision process." Ross continued, "Agricultural tile drainage is a common practice in Vermont and throughout the United States. Balancing the agronomic need and eco-

nomomic benefits of the practice with a thorough review of the environmental impacts of tile drainage and strategies to prevent and mitigate the potential effects is at the core of the process VAAFAM and Vermont Agency of Natural Resources (VANR) are currently engaged in as we work to develop recommendations for the management of tile drainage for the final report in 2017."

Over the next year, VAAFAM and VANR seek to bring together a working group of farmers, industry professionals, academics, and other stakeholders to review research, the use of tile drainage in Vermont, and management

strategies available to farmers. This working group will help inform recommendations VAAFAM and VANR will be making to the legislature in 2017.

VAAFAM and VANR remain firmly committed to the collaboration required to successfully implement the Environmental Protection Agency's Lake Champlain TMDL, Vermont's Phase I Implementation Plan for cleaning up Lake Champlain, the Vermont Clean Water Initiative, the development and implementation of the Required Agricultural Practices, and to addressing water quality issues throughout the State. For a copy of the Subsurface Tile Drainage Interim Report, please visit: <http://agriculture.vermont.gov/water-quality/news-events/tile-drainage>.

### For Immediate Release

The Vermont Agency of Agriculture, Food and Markets have received an application for a Milk Handlers license from the following entity: Coca-Cola Refreshments USA, Inc., One Coca-Cola Plaza, N.W. of Atlanta, Georgia to transport and sell milk products within 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 February 15th, March 15th, 2016.

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.

## MARKET REPORT

**Wholesale Prices**

January 2016t

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 February 2016

	<b>Cattle</b>	<b>Calves</b>
This Week:	87	172
Last Week:	-	-

Compared to last sale, slaughter cows sold \$2.00 - \$4.00 higher with good demand. Slaughter cattle supply included 85 cows and 2 bulls. All prices quoted per cwt.

**SLAUGHTER COWS:**

	% Lean	Avg. Dressing	High Dressing	Low Dressing	Very Low
Premium White	65-75	83.50-85.50	91.50	—	—
Breakers	75-80	79.00-82.00	87.00	74.50	—
Boners	80-85	75.00-80.00	79.00-82.00	—	—
Lean	85-90	675.00-81.50	81.00-82.00	68.50-74.50	55.00-69.50

SLAUGHTER BULLS: 635-925 lbs: 87.00 – 92.50

CALVES: When compared to last sale Holstein bull calves sold steady with good demand. All prices per cwt.

**HOLSTEIN BULL CALVES:**

**Number 1:** 100-120lbs 200.00-220.00; 90-100 lbs 180.00-210.00; 80-90 lb 160.00-180.00; 70-80lbs 150.00-155.00.

**Number 2:** 100-120lbs 180.00; 90-100 lbs 150.00-177.50; 80-90 lbs 127.50-150.00; 70-80lbs 102.50-125.00.

**Number 3:** 140.00-150.00; 90-100lbs 120.00-160.00; 80-90lbs 100.00-140.00; 70-80lbs not tested.

**Utility:** 100-120lbs 61.00-102.50; 90-100lbs 55.00-112.50; 80-90lbs 70.00-102.50; 70-80 lbs 50.00-80.00.

HOLSTEIN HEIFER CALVES: 75-82lbs 125.00-142.50

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:**

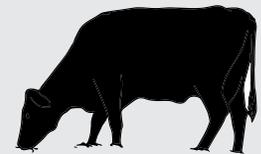
VT Agency of Ag-USDA  
New Holland-Lancaster County, PA

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](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>



## CLASSIFIEDS

**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](mailto: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](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](mailto:Faith.Raymond@state.vt.us).

**Bees & Honey**

Glass Honey Jars with plastic screw top lids, two sizes. Be ready for the honey harvest. 1 lb jars—\$0.58/ea or \$14.18/case of 24. 2.5 lb jars—\$1.60/ea or \$19.20/dozen. Inquire to buy jars/lids separately. Call 802-244-7534 or email [cawlow@gmail.com](mailto:cawlow@gmail.com). (2/16)

Nucleus Colonies And Queens: Order 2016 nucleus colonies at last year's price now! Still \$155! We sell 5-frame nucs which include frames of bees with brood and a queen. Our Northern

Survivor stock have been bred for winter hardiness and productivity. Our Northern Survivor Hybrid Queens are still \$32.00. A shipping charge of \$7.50 per box will be applied. We do not sell specific breeds of queens. Our queens are bred from the various strains we use to breed traits into our bees.

Go to our website for more information and to place your order and learn about pick up dates for the nucs. [www.vtbees.com](http://www.vtbees.com) or call (802)948-2057 Roland and Deborah Smith, Singing Cedars Apiary

77 Singing Cedars Rd.  
Orwell, Vt. 05760 (2/16)

**Cattle**

Looking to lease Angus bulls for 2016 season and maybe beyond. 2 Angus Bulls for sale 1 Registered BC Lookout and 1 Commercial Pioneer 7301 very calm and productive 8027592135 (2/16)

Starter herd or add onto your herd - 2 heifers born Apr 2015 and a 2 year old bull. 2 Bison butcher bulls - 3 years old

Located in Townshend, VT Call

## CLASSIFIEDS

802-365-7721 after 5 pm  
(2/16)

Two year old beautiful Angus registered AL Sire. Sired by Garretts Credence 165, with great statistics. Phone 802-746-8979 at 7:30 (2/16)

Two registered pregnant Angus cows. Your choice two of 15. Phone 802-746-8979 (2/16)

Registered Jersey heifer, polled. DOB 4-22-14 due 3-25-16 to retreat P \$1400. Registered Ayrshire heifer dob 3-1-14 due 2-19-16 \$1400. 802-483-2889, 802-558-1732 (2/16)

Nice Hereford bull, coming 4, approx... 2000 lbs. very friendly well-mannered and gentle, loves a back scratch, fence trained, can be around any livestock, off spring can be seen. \$2200. 802-748-0558 (3/16)

### Employment

Organic livestock farm seeks co-manager/co-producer to assist in current operations and produce your own products for direct sale in our established on-farm meat store. Poultry is most needed but beef, lamb, fruits and vegetables are possible. Vince Foy, Danville, 802-748-8461. (2/16)

### Equipment

John Deere 4955 4wd 7600 hrs 1500 On engine 600 hrs on transmission rebuild Rice an canes front and back duals excellent condition sunflower 1232 disk Harrows 24ft choice of two u pick Ready to go 18027592135 (2/16)

Harness making machinery Singer model 97-10 leather stitcher with deep throat on floor stand sews up to 1 inch leather and other materials also a United Shoe Co. hide splitter extra set of knives \$1800 for pair 802 387 4412 (2/16)

Fasse Remote Master converter converts 2 remotes to 4 remotes should fit any farm tractor comes with wiring and control box in excellent condition asking 600.00 OBO call at 802-537-3233 or e-mail sdkelly@shoreham.net (2/16)

Paul Scales, Hog & Sheep scales 58sx500 great shape with wheel kit. \$1000. Jim 802-457-4806 ext 3. (2/16)

New Holland 166 Hay Merger with Turnchute \$3750.00. Case IH 900 cyclo Corn Planter, 30" Dry Fertilizer \$3700.00. Bradford-White 75 Gallon LP Gas Water Heater, 7 years old never used \$675.00. Mueller 600 gallon oval Bulk Tank \$2750.00. Please call Joe at 802-770-0959 (2/16)

CAM SUPERLINE TRAILER - 2.5 ton 5x8 feet with spare tire and battery. Model: 2.5 Cam 508D with 50 to 200 hours on it. Retail at \$4293, asking \$2900; STIHL CHAIN SAW, MS261 wih 18 inch bar. Lightly used. Retail \$610, asking \$500 or BO. Call 802-948-2211 (2/26)

Int'l 766- Cab- 3300 hrs-Super clean...\$13,500. Int'l 2250 Mount-o-matic Loader- Super Nice...\$3500.

NI 3632 Tandem man sprdr- 300bu- Exc...\$5800. Hesston (NI) S260 man sprdr- 250 bu- Exc...\$5800. JD 450 Hydra Push man sprdr- Nice...\$4800. Gehl 250 man sprdr- words good...\$1850. JD #350 man sprdr-125 bu...\$1600. 802-376-5262 www.youngsmilkywayfarm.com (2/16)

82 front New Holland elevator, 24 ton grain bin excellent shape, 5-6 ton C51 grain bin, 9-10 ton grain bin. Call 802-624-0143 (2/16)

Huhn GFZZNT Tedder, new idea 402-five bar side delivery rake, wagon gears. 802-291-0543 (2/16)

3 feed racks 10ft with plastic trough never used \$500 each. Hay elevator tube type, 20ft motor \$750. IH model #470 Harrows 20ft solid \$2750. 3 calf hutches, used \$200 each. JD 4 bottom plow, with coulters, clean \$975. Ford 3 bottom plow, with coulters \$850. Ford tractor 1949 with sickle bar mower excellent condition, little use \$3500. Farmall A w/f with plow, excellent tires \$2750, Farmall C w/f with mower runs great \$2750. 2 150 gal water tanks

\$100 each 802-483-2870 (2/16)

2002 New Holland Tractor TV140 Bi-Directional, 2300 hrs., PTO bucket and clam. \$42,500.00. Please call 802-525-1272. Like new!! (3/16)

ANDO 5 1/2 rock root grapple skid steer mt \$3500 trailing log arch \$500, cub cadet 104 mower deck hy lift \$450, Honda 4 trax \$1500, craftsman 30" snow blower \$350, military 4 cyl generator jeep engine powered \$400. Coleman power mate 4000 watt 120-240 volt new condition \$350, MF 35 gas \$250, MF 50 gas \$2000, MF TO35, die \$3500, MFIND 20 W loader \$4000, case 3 PTH 2 BTM plow \$250, MF 3 PTH 2 BTM Plow \$250. 603-313-3039 (3/16)

Haying equipment - 5 wheel rake \$250: NH 275 small square baler \$750: NH 276 baler-kicker available \$1500. NH Baler parts: Massey 205 manure spreader \$750: IH 300 - parts tractor - \$600. 802-878-4025 (3/16)

Case 450c new undercarriage. Ford 4630 low hours good condition with loader 4-wheel drive. Long 2460 good rubber 4 wheel drive. Ford 4000 2 wheel drive, Ford 555B 4 wheel drive TLB cab ready for work. Retired do not need anymore. 802-485-7757 (3/16)

1 f hp motor, 1 9 1/2 motor, completely rebuilt. 1533 mosey Ferguson tractor 4 wheel drive with blower for snow. 802-624-0143 (3/16)

### General

Super Cute male & female Border Collies for sale! 10 weeks old. \$600.00 each. Call us @ 802-387-4473 or email: info@vermontshepherd.com (3/16)

Interested in elderberries? Come learn more about this plant and it's potential as an addition to your farm, your backyard or homestead at an all-day, intensive workshop on February 15, at NOFA-VT's upcoming 2016 Winter Conference. You'll learn about medicinal uses, cultivation, preparation



and preliminary market analysis and opportunities. Presenters will be Guido Mase of Vermont Center for Integrative Herbalism & Urban Moonshine; John Hayden of The Farm Between; David Fried of Elmore Roots Nursery; Rosalie Wilson Business Development Services and Pamela Hathaway of the Vermont Herb Growers Coop. For more information, go to page eight of the NOFA-VT Winter Conference Guide here: <http://issuu.com/nofavt/docs/wc16-brochure-final>

### Hay, Feed & Forage

1st cut hay: \$5.00. 2nd cut hay: \$6.00. Cash sales only. 603-543-3616 (2/16)

50 early June 1st cut 4 by 4 wrapped round bales \$50 each Livewater Farm Putney Vt 802 387 4412 Livewaterfarm@comcast.net (2/16)

For Sale: 1000-2000 tons of 1/3 corn silage, 1/3 2nd cut and 1/3 3rd cut mixed; \$50/ton. Please contact at 802-533-2984 after 4 PM. (2/16)

Hay - Dry Round Bales 4' First and second crop \$40 each Danville, VT Call 802-748-9868 or 802-424-6110 (2/16)

Butterworks Farm Organic red clover mixture wrapped haylage June cut \$45/bale call or email Collin at 802-323-9304, cmahoney@butterworksfarm.com (3/16)

2nd cut square bales \$5.50, 1st cut wrapped 5x4 round bales \$40. Must pick up. Cloudland Farm, Pomfret, VT 802-457-1520 (3/16)

50 4x4 wrapped round bales \$45 each. Some early June

cut some 2nd cutting certified organic. 802-254-6982 (3/16)

### FRANKLIN COUNTY

Dry hay, organic, large round bales. Montgomery, VT. 802-326-4151(2/16)

### ORLEANS COUNTY

Conventional haylage. 1st, 2nd, and 3rd cut and organic haylage 1st cut all in Ag bags. Organic and conventional - Dry round and wrapped round bales. 1st and 2nd cut. Call 802-274-2832 or 802-988-2959 (3/16)

### Goats

Alpine Goat Kids (registered and not) available soon. Holistically managed. Organically fed. Humanely raised. Negative for CAE, CL, John's. Prices start at \$100. Please check out our website for more information and photos: [www.sugartopfarm.com](http://www.sugartopfarm.com) or call: 802-224-6577 (2/16)

Folding metal goat milking stand like new. \$150. Pics upon request. kkirchner@hughes.net; 802 755-6349. E.Allbany (2/16)

### Horse Equipment

Travis sled - holds 14 average size adults, good shape been under cover, \$800. Set of new D ring harnesses used twice, bridles used, paid \$1500 asking \$1000. Used electric wire rolled up in arms lengths, make an offer. Used 4x5 fiber glass posts .50 + 1.00 802-295-2910 (3/16)

### Sheep

White Romney ram, 2 1/2 yo, proven. Tame and easy to handle; excellent health and wool. Will trade for same. Too many related animals. (Springfield) Call 928-848-3429 or email: dogsong5@msn.com (2/16)

**Sugaring Equipment**

Leader syrup pan 40" X5' stainless, lead free soldered \$250 brookfield 276-3385 (1/16)

Leader 5'x7' front pan stainless steel. Excellent shape \$400 or best offer. 802-524-4345 (2/16)

Aprx 500 Leader 8 king buckets with covers and spouts. \$4 set 802-895-4005 (2/16)

6x16 used evaporator. 10' King drop flue pan 2002. soldered pans. Front pan Leader 1994. Draw off both sides. 4 speed blower. 24" stack. Base is stainless. Preheater. \$5000 will separate. Call Kent Gilman 802-384-0433 email Hkpalmyra@gmail.com (3/16)

**Wanted**

Wanted, ear corn elevator, interested in any size under 30 feet, contact Geo 802-763-7446 (2/16)

Tractor about 60 hp and baler. 80 sap buckets with spouts and covers. Tire chains: 15x19.5 rear and 25x8.5-14 front. 802-438-5590 (2/16)

John Deere 2630, 1309 Scavenger Manure spreader. 802-695-2866 (2/16)

Cedar Fence post, 6ft sharpen 3-4 inch tops, good quality. 802-483-2870 (2/16)

3 PTH log grapple. Tail wheel rim for JD 55H trailing plow. JD 3PTH plows rock bucket for JD H240 Global attachment. 603-313-3039 (3/16)



**For Immediate Release**

The Vermont Agency of Agriculture, Food and Markets have received an application for a Milk Handlers license from the following entity: Sunset Rock Farm of Lebanon, New Hampshire to process, package, transport and sell goat's milk cheese within 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 February 15th, March 15th, 2016.

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.

**Beef Report**

For the month of January, ending Sunday, Jan. 31, 2016

Est. Volume: 30,743 lbs • Last Month: 34,358 lbs

Report reflects beef sold direct to consumers on a wholesale carcass basis and on a retail basis. All beef products are considered local to Vermont and are raised within state borders plus 30 miles outside the border. Cattle are processed under State or Federal Inspection

This month the wholesale/retail trade was lighter in lieu of holiday season ending. Retail prices changed slightly due to the beginning of the New Year. Very few individuals reported sales, most others had limited to no movement of beef due to the time of year. Retail prices were mixed with only a few minor adjustments in both directions of last month's averages. No dress sales to report this month as our data pool was too light to accurately reflect the market. YTD and 3-month rolling averages were adjusted to account for what sales did occur on the carcass trades.

Estimates Volume of Beef Sold: 21,128 lbs.  
Average Hot Carcass Weight: 605.02 lbs.  
Last Month's Estimated Volume: 23,911 lbs.  
Last Month's Average Hot Weight: 687.50 lbs.

**Dressed Beef Carcass Value**

Dressed Basis Steers/Heifers (Range/cwt) \$300.00/cwt  
Year to Date Wt. Average Carcass Price: \$300.00/cwt  
3 Month Rolling Average Carcass Price: \$363.12/cwt

Above values reflect whole, half, or quarter carcass. Processing fees are not included in the dressed value. The aggregated price data is comprised from mostly grass finished operations and occasionally includes a small volume of partial to full grain finished cattle

**Direct To Consumer Grass Fed Beef Retail Prices**

	(\$/lb)	Avg (\$/lb)
Tenderloin	\$15.00-\$28.00	\$19.97
Boneless Ribeye/Delmonico	\$10.00-\$22.00	\$14.99
Bone-In Ribeye	\$12.75-\$17.00	\$14.08
NY Strip	\$14.00-\$24.25	\$16.92
Porterhouse	\$12.00-\$22.75	\$17.18
T-Bone	\$12.00-\$20.00	\$15.75
Sirloin	\$8.00-\$16.00	\$11.10
Flank Steak	\$6.00-\$15.00	\$9.88
Skirt Steak	\$7.00-\$15.00	\$10.13
London Broil	\$7.00-\$12.00	\$9.29
Short Ribs	\$5.00-\$11.75	\$6.60
Rib Roast	\$9.55-\$17.00	\$13.05
Sirloin Tip Roast	\$6.58-\$16.50	\$11.52
Top Round Roast	\$5.77-\$12.50	\$9.55
Bottom Round Roast	\$4.78-\$12.00	\$8.58
Chuck Roast	\$4.67-\$13.75	\$8.59
Brisket	\$5.63-\$13.75	\$8.44
Hamburger	\$4.42-\$9.00	\$6.76
Stew	\$5.50-\$8.50	\$6.88
Heart	\$3.00-\$6.00	\$4.17
Tongue	\$3.00-\$6.00	\$4.20
Liver	\$3.00-\$7.00	\$4.31

Source: VT Agency of Ag - USDA Market News Service, Montpelier, VT  
Levi Geyer 717-354-2391 / NewHollandPALSMN@ams.usda.gov  
Hailee May 802-829-0057 / Market Reporter  
www.ams.usda.gov/mnreports/ln\_lo100.txt • www.ams.usda.gov/LPSMarketNewsPag

# Grant Funds Available to Enhance the Competitiveness of Vermont Specialty Crops

Agency to award approximately \$200,000 in Specialty Crop Block Grant Program funds in 2016

By Kristina Sweet, VAAFM

The Vermont Agency of Agriculture, Food & Markets (VAAFM) announces the availability of grant funds for the purpose of enhancing the competitiveness of Vermont specialty crops, defined as fruits, vegetables, tree nuts, dried fruits, horticulture crops (including honey, hops, and maple syrup), and nursery crops (including Christmas trees and floriculture). These funds are awarded through a competitive review process guided by industry, nonprofit and government stakeholders. Prospective applicants may download the Vermont Specialty Crop Block Grant Program (SCBGP) Request for Proposals on the Agency's website at <http://go.usa.gov/3JGBG>.

The U.S. Department of Agriculture's Agricultural Marketing Service (AMS) awards Specialty Crop Block Grants to the 50 States, the District of Columbia, and U.S. Territories. In Vermont, the Agency of Agriculture, Food & Markets administers these funds to enhance the competitiveness of Vermont specialty crops. VAAFM plans to award approximately \$200,000 in Specialty Crop Block Grant Program (SCBGP) funds in 2016. Visit <http://www.ams.usda.gov/scbgp> for more information about the SCBGP.

VAAFM strongly encourages projects proposing innovative partnerships and, in collaboration with statewide specialty crop industry stakeholders, has identified the following (unranked) state funding priorities for 2016:

- Development of innovative horticultural production practices and efficiencies to positively impact farm viability and/or conservation
  - Pest and disease management
  - Food safety—including the handling, preparation, transport, and storage of specialty crops in ways that reduce foodborne illness
  - Value chain enhancement—including strengthening relationships between individuals, businesses, and organizations that build specialty crop value from production to consumption
  - Market access (local, regional, national, or international), marketing, branding, and consumer education
  - Organizational development—including strengthening producer associations and cooperative development
- VAAFM will conduct a webinar to provide an overview of the program, the 2016 application process—including new USDA standards for

outcome measures—and VAAFM's new online grants management system. Interested parties may register for the webinar at <http://bit.ly/webinar0216>.

Applicants to the Vermont SCBGP must

submit a letter of intent by March 11, 2016. A review committee will invite the top-ranking projects to submit full proposals, which will be due by May 6, 2016.

For more information about Vermont Agency of

Agriculture grants, visit our Funding Opportunities & Resources for Businesses page at [http://agriculture.vermont.gov/producer\\_partner\\_resources/funding\\_opportunities](http://agriculture.vermont.gov/producer_partner_resources/funding_opportunities).

## FOOD SAFETY MODERNIZATION ACT EDUCATIONAL WORKSHOPS

HOSTED BY THE VERMONT AGENCY OF AGRICULTURE, FOOD & MARKETS

These workshops will help you understand how the Food Safety Modernization Act may affect your farm or business.

### MARCH 31

FSMA PRODUCE SAFETY RULE & PROGRAM DEVELOPMENT WORKSHOP

2:00–4:00 PM

PAVILION AUDITORIUM

109 STATE STREET, MONTPELIER

### APRIL 4

FSMA PREVENTIVE CONTROLS & PRODUCE SAFETY RULE WORKSHOP

CO-HOSTED BY THE VERMONT DEPARTMENT OF HEALTH

2:00–4:00 PM

VERMONT DEPARTMENT OF HEALTH

108 CHERRY STREET, BURLINGTON

### APRIL 5

FSMA PRODUCE SAFETY RULE & PROGRAM DEVELOPMENT WORKSHOP

5:30–7:30 PM

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LEARN MORE AT [go.usa.gov/3SV3F](http://go.usa.gov/3SV3F)



How will FSMA affect your farm or business?

The FSMA Produce Safety Rule will affect farms that grow, harvest, pack or hold fresh produce.

Learn about the FSMA Produce Safety Rule, key requirements, and compliance dates.

Food Processors: Attend the April 4 workshop to learn about the Preventive Controls Rule!

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[agriculture.vermont.gov](http://agriculture.vermont.gov)

## Carnations

continued from page 9

Carnations can last up to three weeks with the proper care. Keep them out of direct sunlight, and away from cold drafts or heat sources such as fireplaces, woodstoves, or forced-air heat vents. As with many cut flowers, cool room temperatures (55-65°) are ideal for longest life.

Use clean containers. You can disinfect vases with about one-quarter teaspoon of bleach in a quart of water. Then rinse well. If you don't like working with bleach, a household disinfectant such as Lysol works well too (equal parts with water).

If you have hard or soft water, buy some distilled water for your cut carnations for longest life. Replace this water about every three days, recutting a half-inch or so of stem off each time. Cut stems under running water to keep air from getting into the stem openings and clogging the water vessels. As with other cut flowers, make sure leaves are removed that would be underwater. This keeps bacteria from breeding.

To further increase the carnation vase-life, you can add a floral preservative. These may come in small packets with flower bouquets, or you can buy this from florists. An alternative is to add one part lemon-lime soda (the kind with sugar) to three parts water, plus a few drops of bleach. This provides food for the flowers, and the bleach helps keep bacteria from growing.

Whether it's yellow you want for a mid-winter boost, red for your valentine, green for St. Patrick's Day, or even a combination like purple, green and yellow for Mardi Gras, there are carnations for you.

## Lamb Prices

New Holland Sales Stables - New Holland, PA  
Sheep and Goat Weighted Average for Monday, February 15, 2016

**Sheep/Lamb Receipts:** 1082. Last Monday: 2329, Year Ago: 1457  
**Goat Receipts:** 1073. Last Monday: 1196. Year Ago: 848

**Report format change:** Traditional markets refer to lambs that are subjected to USDA carcass grading, and marketed through mainstream outlets. Non-Traditional markets refer to lambs destined for slaughter outside of what would be termed as traditional markets.

**Slaughter Sheep:** Compared to last week, Slaughter lambs sold mostly steady to 20.00 higher on poorer quality offerings. Slaughter ewes sold mostly steady to 10.00 higher. Bucks sold steady on a very light test. Snowy weather kept supply light and demand moderate to good. There were more ewes on offer than typical. Supply consisted of 75 percent slaughter lambs, 24 percent slaughter ewes, and 1 percent slaughter bucks. All sheep and lambs are sold by the hundredweight, on actual weights.

### Slaughter Lambs:

**Wooled & Shorn Choice and Prime** 2-3 70-80 lbs 235.00-265.00; 90-110 lbs 217.00-218.00, Hair sheep 200.00-230.00; 110-130 lbs 200.00; 130-150 lbs 180.00-197.00; 150-200 lbs 137.00-170.00.

**Wooled & Shorn Choice** 2-3 50-60 lbs 230.00-270.00, Hair sheep 225.00-265.00; 60-70 lbs 230.00-250.00, Hair sheep 225.00; 70-80 lbs 220.00-225.00, Hair sheep 230.00-235.00; 80-90 lbs. Hair sheep 205.00-227.00; 90-110 lbs 185.00-217.00, Hair sheep 180.00-197.00; 110-130 lbs 170.00-197.00, Hair sheep 170.00- 195.00; 130-150 lbs 150.00-167.00; 150-200 lbs 120.00-157.00.

**Wooled & Shorn Good** 1-2 50-60 lbs 210.00-220.00; 60-70 lbs Hair sheep 200.00-210.00; 90-110 lbs 160.00-165.00, Hair sheep 140.00-155.00; 110-130 lbs Hair sheep 150.00-150.00.



### Slaughter Ewes:

Good 2-3 80-120 lbs 117.00-145.00; 120-160 lbs 82.00- 122.00, Hair sheep 92.00-112.00; 160-200 lbs 70.00-112.00, hair sheep 80.00-110.00; 200-300 lbs 72.00-90.00. Utility 1-3 80-120 lbs 92.00, hair Sheep 112.00-112.00; 120-160 lbs 65.00-107.00, Hair sheep 80.00.

### Slaughter Bucks:

160-200 lbs 87.00-107.00; 200-300 lbs 62.00-105.00.

**Slaughter Goats:** Compared to last week, slaughter kids sold mostly steady to 10.00 lower. Slaughter nannies sold mostly steady. Slaughter bucks sold 10.00-20.00 lower with the exception of Number 1 bucks weighing over 150 lbs that sold mostly steady to firm. Wethers sold sharply lower on a light test compared to a very light test the previous week. Demand was moderate for all classes. A lighter supply consisted of 57 percent Slaughter Kids, 23 percent Slaughter Nannies, and 20 percent bucks/billies and wethers. All goats are sold by the head on estimated weights.

### Slaughter Kids:

**Selection 1:** 50-60 lbs 195.00-225.00; 60-80 lbs 225.00- 235.00, Fancy 265.00, wethers 260.00-275.00; 80-100 lbs 230.00-280.00, wethers 270.00-290.00.

**Selection 2:** 20-30 lbs 85.00-125.00; 30-40 lbs 115.00-145.00; 40-50 lbs 145.00-165.00; 50-60 lbs 160.00-190.00; 60-80 lbs 180.00-210.00, wethers 200.00-255.00.

**Selection 3:** 20-30 lbs 70.00-90.00; 30-40 lbs 105.00-132.00; 40-60 lbs 120.00-145.00, Gaunt 80.00-120.00; 60-80 lbs 150.00-175.00, Gaunt 110.00-130.00.

### Slaughter Nannies/Does:

**Selection 1:** 80-130 lbs 210.00-245.00; 130-180lbs 235.00-260.00.

**Selection 2:** 80-130 lbs 165.00-225.00, 130-180 lbs 200.00-235.00.

**Selection 3:** 50-80 lbs 130.00-150.00; 80-130 lbs 140.00-170.00, gaunt 100.00-135.00.

### Slaughter Bucks/Billies:

**Selection 1:** 100-150 lbs 290.00-315.00; 150- 250 lbs 370.00-400.00.

**Selection 2:** 80-100 lbs 200.00-255.00; 100-150 lbs 235.00-275.00.

**Selection 3:** 80-100 lbs 160.00-210.00, Gaunt 130.00-150.00; 100-150 lbs 190.00-240.00, Gaunt 160.00-185.00.

### Slaughter Wethers:

**Selection 1:** 100-150 lbs 270.00-335.00; 150-250 lbs 395.00.

**Selection 2:** 80-100 lbs 245.00-275.00; 100-150 lbs 265.00-295.00.

**Selection 3:** 80-100 lbs 185.00-225.00.

Price and grade information is reported by QSA-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: USDA Market News, New Holland-Lancaster County, PA • [http://www.ams.usda.gov/mnreports/LN\\_LS320.txt](http://www.ams.usda.gov/mnreports/LN_LS320.txt).  
Levi Geyer, OIC / 717-406-7350 • Kayley Ellis, Market Reporter / 717-354-2391  
For all USDA Livestock and Grain market reports: [www.ams.usda.gov/LSMarketNews](http://www.ams.usda.gov/LSMarketNews)

# Scenes from Consumer Night at the 2016 Farm Show



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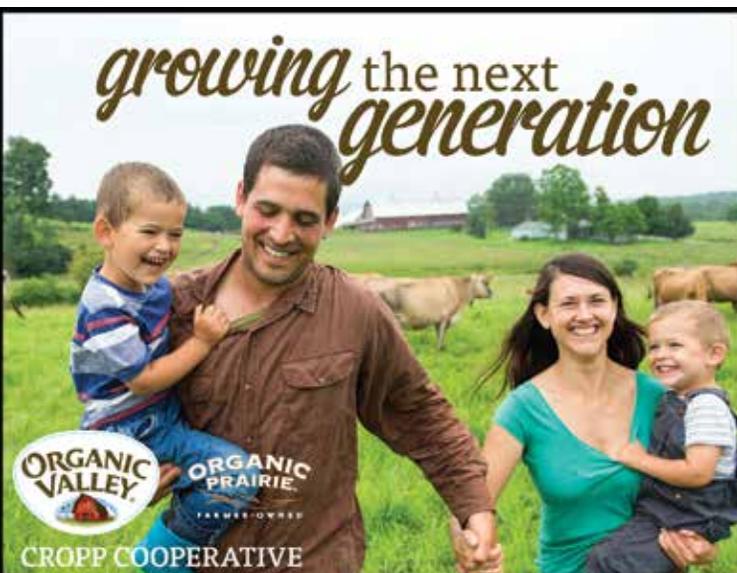
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