

Champlain Valley Crop, Soil & Pasture Team | www.uvm.edu/extension/cvcrops (802) 388-4969 | 23 Pond Lane, Suite 300, Middlebury, VT 05753

Site Statistics:

Location: Starksboro, VT Soil Type: Canandaigua silt loam

(up to 35% clay)

Corn Planted: May 25, 2014 Corn Maturity: 87 RM (Wolf River

2387L)

Corn Harvested: September 17th,

Average Yield: 19.5 tons/acre

0380

NIFA-SARE Cover Crop Plots

Planted: 9-19-2014 Manure Spread: 9-23-2014 @ 7000 gal./ac. over East half of all plots

0380

CIG Cover Crop Mixes Planted:

7-11-2014, 8-14-2014, 9-19-2014 Manure Spread: 9-23-2014 @ 6000 gal./ac. over East half of all plots



















CULTIVATING HEALTHY COMMUNITIES

COVER CROP FIELD DAY NOVEMBER 7, 2014 * CLIFFORD FARM * STARKSBORO, VT

A special thank you:

Eric & Jane Clifford Clifford Farm Starksboro, VT

Stephen Linehan Custom Spreading, Inc. Bristol, VT

Edmund Schilliwaski **SeedWau**

*Custom seed mixes



Funding for these projects was provided by:



Conservation Innovation Grant



United States

Department of of Food and



Project Summary:

The Clifford Farm is a multi-generational dairy farm located FARMER COALITION INC. in Starksboro, Vermont. They milk 250 Holstein dairy cows and grow crops on roughly 500 acres. Eric is the President of the Champlain Valley Farmer Coalition and takes leadership roles in several other local organizations

The Cliffords have been utilizing several methods to establish cover crops in their corn fields, using winter cereal rye. The previous two years it was applied with a helicopter aerially into standing corn in early September. This year, the helicopter was unavailable, and Eric and his crew spread around 150 acres of winter cereal rye by broadcasting it on the surface and rolling the field after with a roller harrow. Many of the fields also received a fall application of manure in conjunction with the cover crop. Eric is interested in adopting no-till planting methods, and is also been planting shorter day (relative maturity) corn varieties to open up his window for planting cover crops and his ability to add some new and different cover crop species.

The Clifford Farm hosts two important Extension projects.

- "Better Cover Crop Mixes in Vermont" is a NRCS Conservation Innovation Grant demonstrating 10 different cover crop mixtures planted at three different times, broadcast on two dates into standing corn and drilled after harvest. This project was implemented on 5 farms throughout the Champlain Valley.
- "Evaluating the Use of Forage Radish to Enhance Winter Rye Cover Crop Performance" is a USDA-NIFA and Northeast SARE Graduate Student research project. It aims to assess whether the addition of forage radish to a winter rye cover crop enhances the fall and spring cover crop performance. This project has an emphasis on utilizing manure in conjunction with cover crops in a corn silage system.

Champlain Valley Crop, Soil & **Pasture Team**

Project Leader Jeffrey Carter **Extension Agronomist**

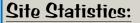
Agronomy Outreach Kirsten Workman Rico Balzano

Cheryl Cesario Nate Severy

Field Technicians Daniel Infurna Kristin Williams Lindsey Ruhl

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(802) 388-4969 cvcrops@uvm.edu blog.uvm.edu/cvcrops 23 Pond Lane, Ste. 300 Middlebury, VT 05753



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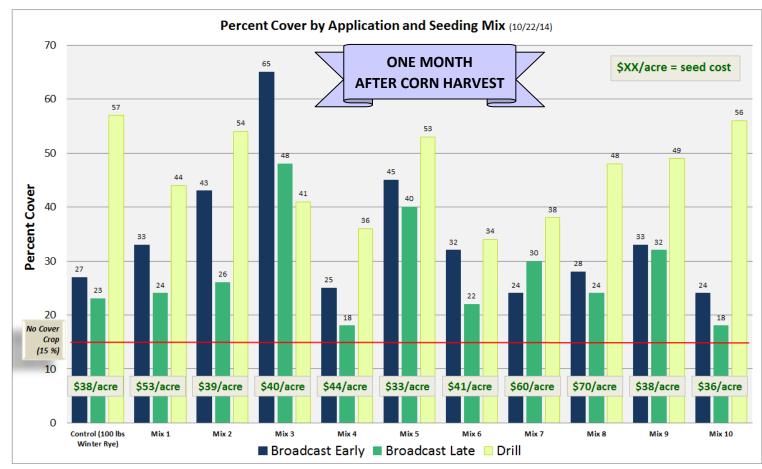
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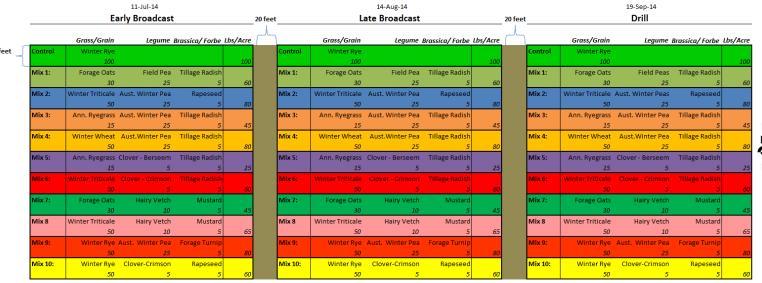




BETTER COVER CROP MIXES FOR VERMONT

An NRCS Conservation Innovation Grant Demonstration Project













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EVALUATING THE USE OF FORAGE RADISH TO ENHANCE WINTER RYE COVER CROP PERFORMANCE

A USDA-NIFA and Northeast SARE Graduate
Research Project





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United States National Institute
Department of Agriculture Agriculture



RYRA TREATMENTS			
	lbs./ac.	lbs./ac. Planting	
	Rye	Radish Method	Legend
T1	112	0 BDCST	
T2	85	0 BDCST	
T3	85	3 BDCST	
T4	60	0 BDCST	
T5	60	3 BDCST	
T6	112	0 DRILL	
T7	85	0 DRILL	
T8	85	3 DRILL	
T9	60	0 DRILL	
T10	60	3 DRILL	
T11	0	0 CNTRL	

