When people drink good beer, they tweet about it.

“Good people drink good beer.”

Enter the Rams Head Tavern...
and the first thing you’ll notice is the vast array of beers on tap and stocked at our main bar. We carry over 100 bottled beers and 30 draft selections for your beer drinking palate. Enjoy our happy hour specials from 4-7pm Monday thru Friday!

Do you have a craving for some pub fare? How about trying a Fordham Oyster Stout with that Crab Cake? Or perhaps you’d like to try one of our seasonal selections on tap. Interested in what’s brewing on site? Just take a look to your left (or click the Full Page).
105 - Pinot Gris
106 - Chambourcin
107 - Merlot 1C
108 - Chardonnay Colmar

Vineyard Continues

Hops Yard 7-8-13

Varieties
A - Alphonse (14)
B - Newport (14)
C - Ternaker (14)
D - Willamette (14)

Vineyard

105
A A A B B B B
C C C E D D D

106
D D D D D C C C C
A A A B B B B
D D D A A A A

107
C C C B B B B
A A A D D D D

108
C C C B B B B
Potted Hop Plants
Available for Purchase

Cornell Cooperative Extension of Madison County in collaboration with Zerrillo’s Greenhouse is pleased to offer 14 different varieties of hop plants grown from first generation cuttings of virus indexed stock purchased from Washington State’s Clean Plant program. This is part of a project to demonstrate the viability of local plant production and to provide virus free sources of planting stock for the industry.

Alpharoma, Cascade, Centennial, Newport, Saaz, Ultra, and Willamette will be sold in 4 1/2 inch pots and can be purchased by the tray. Quantity discounts available. Chinook, Crystal, Fuggle, Nugget, Perle, Sterling, and Teamaker also by the flat in 4 1/2 inch pots but available in lesser quantities. The minimum order is 30 plants per single variety.

Quantities are Limited!

Orders are being filled on a first come first serve basis. Deadline to order plants is March 15th, 2014. A 25% down payment is required to place an order. The plants will be available through Zerrillo’s Greenhouse in Syracuse and must be picked up there. Plants should be available approximately June 7th, 2014. Make checks payable to Zerrillo’s Greenhouse and mail to CCE Madison County at P.O. Box 1209, Morrisville, NY 13408, Attn. Steve Miller. NYS Sales Tax rate of 8% will be charged unless the order is accompanied by a NYS Farm Sales Tax Exemption Form (Form ST-125). Plants must be paid in full on or before pickup. We can produce more plants from a later flush of growth if the first batch is sold out.

Questions?

Contact: Steve Miller, NYS Hops Educator
sgm6@cornell.edu or 315-684-3001 ext. 127

Alycia Schick, Hops Program Assistant
ans74@cornell.edu or 315-684-3001 ext. 108
Potted Hop Plants Order Form

4 1/2” Pots - 15 pots in a tray - sold only in trays.
Price - $75.00 per tray - All One Variety per tray - Discount for bulk orders:
- 10-25 trays - 10% = $4.50 ea. = 67.50 per tray
- 25-50 trays - 15% = $4.25 ea. = 63.75 per tray
- 50-100 trays - 20% = $4.00 ea. = 60.00 per tray
- 100 trays or more - $3.50 ea. = 52.50 per tray

<table>
<thead>
<tr>
<th>Type of Plant</th>
<th>Description</th>
<th># Trays</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpharoma</td>
<td>High Alpha</td>
<td></td>
</tr>
<tr>
<td>Cascade</td>
<td>Aroma</td>
<td></td>
</tr>
<tr>
<td>Centennial</td>
<td>Bittering</td>
<td></td>
</tr>
<tr>
<td>Chinook</td>
<td>Bitter with Spice &amp; Pine</td>
<td></td>
</tr>
<tr>
<td>Crystal</td>
<td>Spicy Aroma</td>
<td></td>
</tr>
<tr>
<td>Fuggle</td>
<td>Aroma</td>
<td></td>
</tr>
<tr>
<td>Newport</td>
<td>High Alpha</td>
<td></td>
</tr>
<tr>
<td>Nugget</td>
<td>Bittering with some Floral</td>
<td></td>
</tr>
<tr>
<td>Perle</td>
<td>Aroma similar to Hallertauer</td>
<td></td>
</tr>
<tr>
<td>Saaz</td>
<td>Noble Hop Aroma</td>
<td></td>
</tr>
<tr>
<td>Sterling</td>
<td>Similar to Saaz</td>
<td></td>
</tr>
<tr>
<td>Teamaker</td>
<td>Aroma</td>
<td></td>
</tr>
<tr>
<td>Ultra</td>
<td>Similar to Hallertauer</td>
<td></td>
</tr>
<tr>
<td>Willamette</td>
<td>Similar to Fuggle</td>
<td></td>
</tr>
</tbody>
</table>

Subtotal
Sales Tax Rate: 8%

Total Amount: $         
Deposit Amount: -

Total Amount Due at time of Pickup: $  

A 25% down payment is required to place an order. Please include a copy of your sales tax form (Form ST-125) with order and payment. Checks must be made out to Zerrillo’s Greenhouse and mailed along with order form to CCE Madison Co., P.O. Box 1209, Morrisville, NY 13408 ATTN: Steve Miller

Name: ____________________________  Phone: ____________________________
Email: ____________________________  Address: ____________________________
Farm Name: ________________________  Deposit Amount: $ ______

*First orders should be ready for pickup June 7th. You must call ahead for appointment at 315-656-8466!*
Loudoun Nursery is a tree-growing farm that specializes in tree varieties that are well suited to the mid-Atlantic region – both for the climate and the smaller lots of new residents. We grow species of trees that may be under used and not well known but which serve to enhance the landscape. Mid-sized shade trees, disease resistant flowering trees and conifers for screening or specimen locations are some of our specialties.

Loudoun Nursery trees are grown using special air-root pruning fabric containers above ground. Unlike field grown trees dug by machine, these trees retain nearly 100% of their roots. Compared to many trees found in garden centers they show the freshness of healthy growth. They establish very quickly and are easily moved from the nursery to the landscape with a high success rate.

We welcome visitors by appointment or during open-house weekends and are happy to discuss your tree needs. During the Christmas season we are open weekends following Thanksgiving from 9am to 4:30 pm. Every year we plant several thousand evergreen, ornamental, shade and flowering trees. Many of these are new varieties to us and will be listed in a subsequent Plant List.

Trees are the perfect gift to memorialize a friend or celebrate an event. Contact us to receive our Gift Certificate to send as your personal gift. The local recipient can coordinate with us to personally select their perfect tree here at the nursery. We accept Visa & Mastercard.

Call and stop by to learn more.
Our newest yard is located in Gorham, Maine on a 7th generation piece of family farmland.
LES SONS FROM THE UK—PART 1

Laura Jackson and Saul Kleinberg recently spent two months in the UK studying beer and hops. Check out their progress in building Griffin Hill, a New York Farm Brewery, at griffinhillny.com.

By Laura Jackson

At Gushmere Court Farm in Kent, England, on a chilly morning in mid-April, two sisters, Janet and Barbara, walked down alley-
Potted Hop Plants Available for Purchase

HopPlantOrderForm2014 Cornell Cooperative Extension of Natchez County in collaboration with Terrillo’s Greenhouse is pleased to offer 14 different varieties of hop plants grown from first generation cuttings of virus indexed stock purchased from Washington State’s Clean Plant program. This is part of a project to demonstrate the viability of local plant production and to provide virus free sources of planting stock for the industry. Alpharoma, Cascade, Centennial, Newport, Saaz, Ultra, and...

January Newsletter

The Hopyard in May

The hopyard at Stillpoint Farm is Maryland's first commercial hops operation since the 1870's. Our hops are grown using sustainable farming practices.
A hop yard stung with cain yarn to accommodate the fast growing hop vines.
Care and Feeding of Your Baby Hop Plants by Steve Miller

Out west newly plant hop yards are called “babies” and growers make that distinction because they are not producing a crop yet. Your plants are progeny of virus indexed stock from the Washington State Clean Plant Network.
Hops

NW CROPS & SOILS PROGRAM

2014 5th Annual Hops Conference
Thursday, February 27, 2014 at The Sheraton Hotel and Conference Center in Burlington, VT.
Join us for our 2014 5th Annual Hops Conference. You will receive updates from the UVM Hops Program on cover crop experiments, potato leafhopper experiments, variety trials, beneficial insects, crowning projects, weed control and equipment. Guest speakers will also include Dr. Thomas Shellhammer, an expert in hops chemistry from Oregon State University, Chris Lattak who works with irrigation systems from Michigan, Steve Miller from Cornell University who will talk about projects in New York on hop petiole testing and crop analysis, Oregon Hops Grower Tony Weathers, Quebec Agronomist Juliene Venne who will talk about hop production in his region, and Vermont Pub & Brewery owner Steve Polewacyk and brewer Russ FitzPatrick who will talk about evaluating and scoring local hops.
View the conference flyer for more information. If you would like to be a program sponsor or exhibitor, complete this form and return it by January 20, 2014.
Visit www.uvm.edu/extension/hopsconference to register.

NEW – Hops Quality Analysis can now be done at our UVM lab! At this time, we have one test available for Brewing Values (BV’s) which determines Alpha acids, Beta acids and Hop Storage Index (HSI). Click here for the Hops Analysis Submission Form to submit a sample.

The cooler start to the 2013 growing season, followed by the wet conditions of this summer, have fostered ideal hop aphid habitat. Click here for a fact sheet on Hop Aphids.

June 2013 Hops Scouting Report
Nitrogen Management in Hops
Hops Early Growth 10/22/2013
CMREC, Upper Marlboro

Average Foot Height

<table>
<thead>
<tr>
<th>Variety</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha Roma</td>
<td>4</td>
</tr>
<tr>
<td>Newport</td>
<td>6</td>
</tr>
<tr>
<td>Teamaker</td>
<td>5</td>
</tr>
<tr>
<td>Williamette</td>
<td>4</td>
</tr>
</tbody>
</table>
This harvest season, the Washington State Department of Labor & Industries encourages hop farmers to recognize that hop dust can be harmful to worker's lungs. Hop dust is known to cause asthma as well as skin allergy. Over the last 18 years, the Washington State Fund workers' compensation system has had 57 respiratory disease claims related to hop dust. A variety of job positions are associated with respiratory illness in the Washington hop industry. In the field, harvest workers and truck drivers have been affected. The majority of cases come from activities within the harvest facility, including hop hanging, sweeping, kiln, baling and packaging. When hop dust accumulates, such as at conveyors or inside machinery, maintenance and clean-up staff are at risk for very high dust exposures. Administrative workers have also been affected when hop dust migrates into office space. Hop related respiratory illness affects not only new workers, but experienced workers who have been in the hop industry for 0 to 20 years. Efforts to control hop dust throughout any part of the harvest process will reduce the risk of hop-related respiratory disease.
HOP APHIDS

Hop aphids are an economically damaging pest of hops. The cooler start to the 2013 growing season, followed by the wet conditions of this summer, have fostered ideal hop aphid habitat. Hop aphids are pear shaped and range from yellow to light green in color. These soft bodied insects are found on the underside of hop leaves. Immature individuals are wingless (Figure 1) while adult females have wings (Figure 2). All hop aphid life stages are seen on hops. Hop aphids do not overwinter on hops but on an alternate host plant within the Prunus genus.

Hop aphids have piercing sucking mouthparts which are used to suck the phloem out of the plant. They secrete a sugary substance called “honey dew”. This substance when secreted, especially in hop cones, provides the perfect habitat for sooty mold fungi to grow. Plant productivity is reduced by aphid feeding on foliage yet the greater yield and quality problem that hop aphids cause is sooty mold (Figure 3). Aesthetic cone damage and decreased cone quality from sooty mold will diminish cone marketability. Often, hop aphid populations can be managed by an assemblage of natural enemy arthropods.

Aphid populations will be most successful on plant parts highest in nitrogen and in hopyards with higher levels of nitrogen (Gent et al. 2009). However, all hop plants need adequate amendments of nitrogen for growth (see Fertility Guidelines for Hops in the Northeast). The Pacific Northwest hop-growing region recommends an economic threshold of 8-10 hop aphid individuals per leaf. We do not yet have an economic threshold specific to the Northeastern region.

References:
Hops Yield 9/6/2014
CMREC, Upper Marlboro

Average lbs/Acre

- Alpha Roma: 3500 lbs/Acre
- Newport: 600 lbs/Acre
- Teamaker: 1800 lbs/Acre
- Williamette: 510 lbs/Acre
Thank You!
Any Questions?

R. David Myers
Extension Educator
myersrd@umd.edu
http://extension.umd.edu/anne-arundel-county
Thank You!
Any Questions?

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