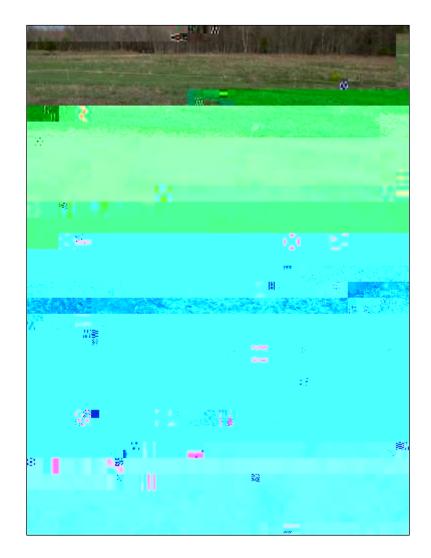


2016 Organic Winter Malting Barley Variety Trial



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2016 ORGANIC WINTER MALTING BARLEY VARIETY TRIAL

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The revival of the small grains industry in the Northeast and the strength of the locavore movement, craft breweries and distilleries have expressed an interest in sourcing local barley for malting. Malting barley must meet specific quality characteristics such as low protein content and high germination. Depending on the variety, barley can be planted in either the spring or fall, and both two- and six-row barley can be used for malting. In the fall 2015, UVM Extension in collaboration with the Winter Malting Barley Trial (WMBT) testing network, conducted a winter malting barley trial to evaluate yield and quality of 24 varieties.

MATERIALS AND METHODS

In the fall of 2015, a winter malting barley variety trial was established at Borderview Research Farm in Alburgh, VT. The experimental plot design was a randomized complete block with three replications. The treatments were twenty-four winter malting barley varieties, listed in Table 1.

Table 1. Varietal information for the 24 winter malting barley varieties, 2016.

Winter barley variety	Type	Seed source		
10.0777	2-row	Oregon State University		
10.086	2-row	Oregon State University		
04ARS640-1	2-row	USDA		
05ARS561-208	2-row	USDA		
06ARS633-10	2-row	USDA		
10/069/1	6-row	Kilian Hundsrucker		
6W11-0064	6-row	Busch Agricultural Resources, LLC		
6W13-7041	6-row	Busch Agricultural Resources, LLC		
6W13-7145	6-row	Busch Agricultural Resources, LLC		
Charles	2-row	Oregon State University		
DH130004	2-row	Oregon State University		
DH130718	2-row	Oregon State University		
Endeavor	2-row	Oregon State University		
Hirondella (08/258/17)	6-row	Kilian Hundsrucker		
McGregor	6-row	Oregon State University		
MW11S4024-004	6-row	University of Minnesota		
MW11S4029-002	6-row	University of Minnesota		
MW12_4007-008	6-row	University of Minnesota		
MW12_4042-002	6-row	University of Minnesota		
Puffin	2-row	Limagrain Cereal Seeds		
Strider	6-row	Oregon State University		
SU-Mateo	2-row	Kilian Hundsrucker		
Thoroughbred	6-row	Virginia Tech		
Vincenta	2-row	Kilian Hundsrucker		

Many of the varieties in the trial were developed in environments much different from New England. Hence, it is important to evaluate the varieties for tolerance to our climate. The winter survival of the malting barley plots were assessed on April 21, 2016. There was severe winterkill in all of the plots and therefore, the trial was terminated.

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