



2016 Hop Biofungicide Trial

Dr. Heather Darby, UVM Extension Agronomist
Julija Cubins, Scott Lewins, and Julian Post
UVM Extension Crops and Soils Technicians
(802) 524-6501

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All pesticides applied were OMRI-approved for use in organic systems. All pesticides were applied at rates specified by their labels. The treatments were applied using a Bellspray Inc. Model T4 backpack sprayer. This model had a carbon

**Table 2. Biofungicide application dates,
Alburgh, VT, 2016.**

Date
27-May
3-Jun
1-Jul
8-Jul
15-Jul
26-Jul
4-Aug

cones. Nugget is susceptible to downy mildew, and Cascade is moderately resistant. Fusarium was not found on Nugget cones, but was found in small quantities on Cascade cones.

Image 1. Cones infected with alternaria, fusarium, and downy mildew

Table 6. Cone diseases by cultivar and treatment, Alburgh, VT, 2016.

Cultivar	Treatment	Cones with disease present		
		Alternaria	Downy Mildew	Fusarium
Cascade	Actinovate	100%	0%	30%
	Cease	100%	40%	20%
	Champ	100%	0%	0%
	Regalia	100%	0%	20%
Nugget	Actinovate	80%	80%	0%
	Cease	90%	50%	0%
	Champ	100%	40%	0%
	Regalia	90%	30%	0%

Cones were grouped by treatment rather than plot, so no statistics are available.

Storage Index. The HSI values run from a low of about 0.15 to a high of about 2.5. On this scale, lower numbers are "good" and higher numbers are "bad." Overall, the HSI values for the treatments did not differ significantly.

Table 8

APPENDIX A: OTHER FUNGICIDES

Fungicides registered for use is[()] TJETBT1 0 0 1 87.144 604.5.144 604.5.144 604-5(de)9(s)] TJETBT1 0 0 1 84.384 604.5NGIC