

**Subject:** Merlot Bud Hardiness Model  
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**Date:** 9/26/19, 2:05 PM  
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Hey Lizzie,

How's it going? Attached is the winter bud hardiness model for Merlot and the instructions/explanation for how the model works. I'm tired of looking at it for now, so I'm tossing it your way. The overall r-square 0.9675 is not bad and I have managed to have all predicted LTE values to be within (+ or -) 2 degree C of the actual LTE. The yellow highlighting in the instructions indicate changes/deviations from the Chardonnay bud hardiness model. There is no rush for you to look at this, and we'll see how the model works this winter. MAYBE the model for both Chardonnay and Merlot will work well and I won't have to tweak it. BTW, I found another mistake: In Hardiness Tables 2012 – 18 the actual LTE value for April 2016-17 was collected on April 4 and not on April 11. Also, I have again made some small changes to the "FINAL FINAL" Chardonnay model. This is also attached.

Harvest here in the Okanagan is in full gear but has been slowed down because of our cool wet September. I hope you have been able to stay dry in these recent days and have kept the mold from growing between your toes!

All the best,

Carl

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— Attachments: —

Bud Hardiness Merlot Model v8.xlsx	1.1 MB
Merlot Hardiness Model Instructions for v8.docx	20.5 KB
Bud Hardiness Chardonnay Model FINAL FINAL-v16-4.xlsx	953 KB
Chardonnay Hardiness Model Instructions for v16-4.docx	20.3 KB