



## Vineyard Notes

Whitewater Hill Vineyards  
220 32 Road  
Grand Junction CO 81503  
(970) 434-6868  
[www.whitewaterhill.com](http://www.whitewaterhill.com)

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November 29, 2005

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Greetings From John Behrs & Nancy Janes!

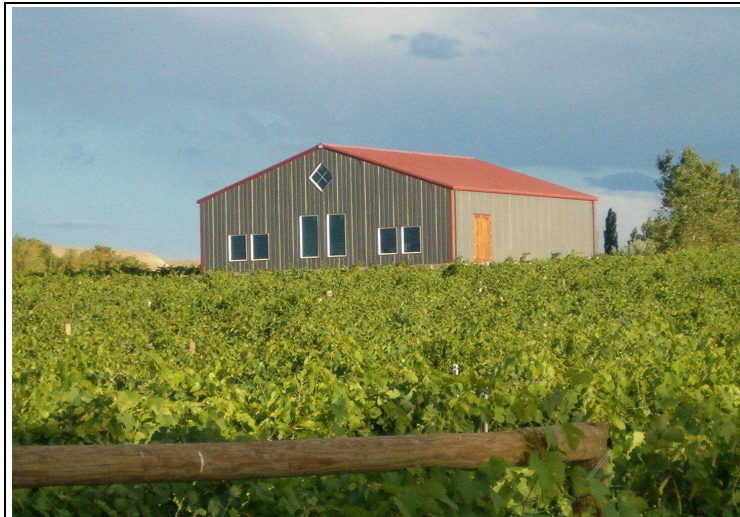
2004 was a difficult year in the vineyard because of the substantial vine and bud damage that we attribute to an early deep freeze of 5 degrees on November 23, 2003. Our total harvest was 60 tons, down from 86 tons in 2003, but that number tells only part of the story. Chardonnay production was only ½ ton per acre. Our labor bill was double the 2003 total due to vine retraining and recovery management and a higher picking bill due to the much smaller clusters produced by the more winter hardy secondary vine buds. Pruning for 2005 will be more expensive as well, because of the hedging of the Merlot in 2004 and replacement of damaged old wood with new growth.

We are sorry if we disappointed you with the lower quantity delivered in 2004. We tried to make every effort to estimate the tonnage that would be delivered in advance, but given the substantial and variable damage in the vineyard, these estimates were not as accurate as we would have liked in some cases.

Looking to the future, we now have a total of 26 acres in production for 2005. We have added Kay Vineyard, planted in 2000 and has 4.1 acres of Cabernet Sauvignon and 2.1 acres of Merlot. This vineyard is in excellent shape and with this addition, we expect to double our availability of Cabernet Sauvignon.

All of our vineyards will soon be covered by wind machines. One was installed at 31 Road early this year, one will be installed at 32 Road this month and one will be installed at Kay

Vineyard. We are planning to run the machines during sharp drops in temperature during winter temperature inversions to raise the air temperature near the ground by a few degrees. An analysis of winter temperatures from 2000-2003 indicated that the vineyard was at risk of cold injury damage an average of 6 hours per year and by only a few degrees, so it is thought that these machines could be an effective tool to control winter cold injury in many years.



**New 32 Road Winery/Vineyard/Tasting Room Facility**

Thank you again for selecting us to provide you with grapes from our vineyards.