



Global Warming and its Consequences on the Beaune Vineyards (Burgundy)

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Abstract

The consequences of global warming are observed in many vineyards yielding sooner development stages and changes in the alcohol concentration and acidity. In this communication we will discuss recent data regarding global warming in Burgundy and we will describe its effects on the Beaune vineyards. We will show for instance that the warming in Burgundy, particularly strong since the end of the 1980's, yield a significative precocity of the date of the main phenologic stages, a shortening of the bud burst – maturity and a shift of the key periods for the grapevine. This study will also rely on a comparison of two representative sites of the Beaune vineyard, the first one located on the *Côte* (Beaune), the other one located in the *Hautes-Côtes* (La Rochepot). Finally, we will discuss the possible impacts of a change in the wine *typicité* on the geographic repartition and on the qualitative hierarchy of the vineyards.

KEY-WORDS: climate, global warming, grapevine, phenology, Burgundy.