

A SMART APPROACH TO HARVEST DATE FORECASTING

Beatriz Charneca, Vanda Santos, Ana Crespo
Departamento de Química, Escola de Ciências e Tecnologia
Universidade de Évora
Évora, Portugal
E-mail: bibas-c@hotmail.com,
{vanda.sofiasantos, anacfcrespo}@gmail.com

Henrique Vicente
Departamento de Química, Escola de Ciências e Tecnologia
Centro de Química de Évora
Universidade de Évora
Évora, Portugal
E-mail: hvicente@uevora.pt

Humberto Chaves
Escola Superior Agrária de Beja
Instituto Politécnico de Beja
Beja
Portugal
E-mail: hc@ipbeja.pt

Jorge Ribeiro, Victor Alves
Escola Superior de Tecnologia e Gestão
ARC4DigiT – Applied Research Center for Digital
Transformation – Instituto Politécnico de Viana do Castelo
Viana do Castelo, Portugal
E-mail: jribeiro@estg.ipvc.pt, victoralves.at.vnc@gmail.com

José Neves
Centro Algoritmi
Universidade do Minho
Braga
Portugal
E-mail: jneves@di.uminho.pt

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ABSTRACT

The concept of grape ripeness depends not only on the degree of enrichment of the chemical compounds in the grape and the volume of the berries, but also on the possible production purposes. The different types of maturation in individual cases are not sufficient for the decision on the harvest date. Taken together, however, they define oenological maturation times and help to harvest them. However, there are no consistent studies that correlate the chemical parameters obtained from must analysis and oenological maturation due to the non-linearity of these two types of variables. Therefore, this work seeks to create a self-explanatory model that allows for the prediction of ideal harvest time, based on oenological parameters related to practices in new developments in knowledge acquisition and management in relational databases.