

THE WATER REGIME OF SOME GRAPEVINE VARIETIES IN THE PEDOCLIMATIC CONDITIONS OF 2011 IN IASI AND BUJORUL VINEYARDS

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Abstract

Climatic changes, characterized by extreme meteorological conditions, influence especially growth and development of plants. The meteorological factors act restrictively on their biological cycle as well as on their productive potential. Referring to the grapevine, air temperature is the key factor that limits the areas where grapes can be cultivated, the beginning and the development of the vegetation phases, the production quantity as well as its quality. The research was focused on the effects of the meteorological conditions of 2011 on the plants' water regime at the following grapevine varieties *Fetească albă*, *Fetească regală*, *Riesling italian* and *Băbească gri* cultivated in Iasi and Bujorul vineyards.

Key words: climatic changes, water regime, grapevine
