

**DEVELOPMENT OF THE SAUVIGNON BLANC VARIETY (*Vitis vinifera*) ON
ROOTSTOCK GRAVESAC AND 101-14 IN THE MUNICIPALITY OF SÃO
JOAQUIM – SC**

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The highlands of Santa Catarina stand out for the production of grapes and wines of excellence, due to the climatic conditions of temperature, radiation and volumes of rain, favorable to the development of vines. One of the varieties of interest is the Sauvignon Blanc of the *Vitis vinifera* species. Plants of this variety tend to be vigorous and require careful pruning treatment. Rootstocks can influence the robustness of the cultivar, affecting the productivity and maturation of the grapes. The objective of this work was to evaluate the productive characteristics of the Sauvignon Blanc vine on Gravesac and 101-14 rootstock. The study was carried out at the experimental station of Empresa de Pesquisa Agropecuária e Extensão Rural de Santa Catarina (EPAGRI). The region is noticeable for having a humid temperate climate with moderate summers. The productive indices of average bunch weight, production per plant, and productivity were evaluated. The productivity per plant was obtained from the average weight of the bunches. The production data per plant (kg), planting density (plants/hectare), were used to determine the production per hectare of each block. The number of branches and leaves were used to estimate the leaf area per branch, per plant and per hectare. Data were submitted to analysis of variance (ANOVA). The contents of Total Soluble Solids (°Brix) and Total Titratable Acidity (meq.L-1) were also measured. In terms of productivity and quality of the grapes, an average production of 2.66 kg per plant and 7.06 t/ha was observed, with soluble solids and total titratable acidity of 20.6 °Brix and 99.31 meq. .L, respectively. Regarding productivity, different rootstocks significantly influenced the cultivar scion. Grape quality variables did not differ between the evaluated rootstocks. Under the conditions of the present study, the rootstocks had no impact on the yields and the quality acquired.

Key words: highlands, wines, temperate climate.