



Efecto de la vernalización sobre la producción de estolones de fresa [

2023

text (article)

Analítica

In strawberry cultivation, reproduction by stolons is the most used due to its low cost, the quantity and homogeneity of the daughter plants. Although it has the ability to produce stolons naturally, they can be exposed to vernalization periods to increase the yield and quality of planting material. This research aimed to determine the production of stolons and daughter plants of the varieties Albión, Festival and Oso Grande exposed to four vernalization temperatures under greenhouse conditions, in Heredia, Costa Rica, between September 2018 and February 2019. The following were quantified: the number and length of stolons; as well as the number of daughter plants per stolon, of 50 plants per variety, exposed to 0, 250, 500 and 750 cold hours at 6 °C. The three variables showed statistically significant differences with respect to the control. Plants of all varieties produced more stolons when vernalized. Festival obtained the highest number of plants per stolon with 250 cold hours (5) and Oso Grande with 500 cold hours had the longest stolon length, 143 cm. It was concluded that there is an effect of vernalization on the production of stolons and daughter plants depending on the variety.

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