

前植物生产层

不同处理方法对地锦草发芽率的影响

陈桂华,宋 群,向佐湘

摘要:

通过发芽试验探讨不同温度、pH值和湿度处理对地锦草(*Euphorbiae humifusa*)种子萌发的影响。结果表明:不同温度、pH值和湿度对地锦草种子的萌发均有显著影响。地锦草种子在30 ℃左右时发芽率和发芽指数最高,分别为52%和22.6。不同pH值处理时,pH值为7时其发芽率和发芽指数最高,分别为48%和23.79。不同湿度处理时,当湿度为90%时,地锦草种子的发芽率和发芽指数最高,分别为55%和23.02。

关键词: 地锦草 发芽率 温度 pH值 湿度

Effects of different treatments on the germination rate of *Euphorbia humifusa*

CHEN Gui-Hua, SONG Qun, XIANG Zuo-Xiang

Abstract:

The influences of different temperatures, pH and humidities on the germination characteristics of *Euphorbia humifusa* were studied. The results showed that different temperatures, pH and humidities had significant influences on the germination characteristics of *E. humifusa*. The germination rate and index of *E. humifusa* seed performed best under 30 ℃ with 52% and 22.6, respectively; The best pH value was 7, under which the germination rate and germination index were 48% and 23.79, respectively. When the humidity was 90%, the *E. humifusa* seed germination rate and germination index were 55% and 23.02, respectively.

Keywords: *Euphorbia humifusa* germination rate temperature pH humidity

收稿日期 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者:

作者简介:

作者Email:

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