

Research Note

Constant and alternating temperature effects on germination and early growth of scorzonera

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Summary

Scorzonera is a threatened species in Portugal. Given the role of temperature in germination and seedling recruitment, the performance of total germination, lag of germination, duration of germination, shape of germination, root and hypocotyl length, and relative root growth of scorzonera was investigated under constant and alternating temperatures between 10 and 25°C. Because of scorzonera's rarity and threatened status, seeds of cultivated scorzonera were used, providing the framework for how germination and early growth could be affected by temperature in the soil profile.

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