

Improving Germination and Potted Quality of *Chamaedorea seifrizii*¹

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Abstract

For improving germination and potted quality of *Chamaedorea seifrizii*, two experiments have been conducted. First, the seeds of seifrizii were treated with different temperatures, soaking durations and chemicals to improve their germination rate and duration. Results showed the seeds of seifrizii must be soaked in water for two or three days before sowing, then, put them in growth chamber under the temperature of 35 °C, they will germinate in 55 days. The rate of germination can reach 80%, the duration of germination was one to four months shorter than other treatments. Furthermore, dispose the seeds with 5% H₂SO₄ 1 minute before sowing, the rate of germination can also reach 80%.

The second experiment was conducted to improve potted quality of seifrizii by shading and fertilization. Results showed the quality of potted seifrizii will be better with those under 80% shading environment and fertilizing Hyponex No. 2 3000x every week. However, under natural condition with 60% shading, the quality of potted seifrizii was better, by applying Hyponex No. 2 1000x every week.

Key word : *Chamaedorea seifrizii*, promoting germination, shading, fertilizing, potted quality

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