
Germination and Storage Behavior of Seed of Colocasia gigantea Hook. f.

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ABSTRACT

A study was carried out on germination behavior and viability during desiccation and storage of seeds of Colocasia gigantea Hook. f.

Seed germination at room temperature was poor, but rapid and uniform germination could be induced by subjecting fully imbibed seeds to a heat treatment of 40°C for a minimum of 24 hours.

Desiccation of fresh seeds did not affect viability. Seeds dried to moisture content were stored at temperatures of 28°, 10°, and -20°C in sealed plastic bags. Seeds stored at 10° and -20°C for one year showed no significant decline in germination, while seeds stored at 28°C showed a rapid decline in viability after three months of storage under tropical climatic conditions.

