



## Seed storage quality as influenced by forms of seed and containers during storage in marigold (*Tagetes erecta*)

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**Abstract :** Studies were conducted to know the effect of forms of seed and container on seed quality in marigold at Department of Seed Science and Technology, University of Agricultural Sciences. The treatments included two forms seed (dry flower and cleaned seed ), five containers (cloth bag, single layer polythene bag with silicagel, single layer polythene bag without silicagel, double layer polythene bag with silicagel, double layer polythene bag without silicagel). The experiment was conducted in Completely Randomized Design in factorial concept in four replications stored for 10 months under ambient conditions. The results indicated that seed stored in the form of dry flower and stored in double layer polythene bag with silicagel recorded highest germination (53.25%), root length (5.13 cm), shoot length (3.98 cm), vigour index (503), seedling dry weight (4.53 mg), germination rate index (4.53) and field emergence (52.50%) with lowest electrical conductivity (0.898 dSm<sup>-1</sup>) at the end of storage period compared to cleaned seeds. Irrespective of treatments, moisture content of seed stored in polythene bag with silicagel decreased gradually and maintained constant after certain period, while it remain unchanged during storage in the seeds stored in polythene bag without silicagel. However, seed moisture content fluctuated in concomitant with the prevailing atmospheric relative humidity in seed stored in cloth bag.

**Key Words :** Seed, Container, Storage, Marigold

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