



RESEARCH PAPER

Studies on the physiological quality of stored sorghum seed concerning germinative parameters

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Abstract : Seed germination and the field crop stand that is necessary for the higher yield area affected by the physiological quality of the seed *i.e.* the seed viability and vigor. The *Rabi* sorghum seed is considered a "moderate storer" as its viability fluctuates drastically under warm and humid storage conditions. In the present research, we evaluated the stored *Rabi* sorghum seed material for its physiological quality particularly vigor and viability as germinative evaluation criteria. The seeds of *Rabi* sorghum variety, SPV-1411, SPV-1595, CSV-22R, CSV-29R and SPV2407 were stored in air-tight plastic containers and kept under ambient laboratory conditions were evaluated for germinative criteria. The storage of seeds resulted in the deterioration of seed vigor as evidenced by the decline in the various parameters investigated.

Key Words : Sorghum, Germination, Physiological quality, Vigour

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