



## Effect of accelerated ageing on storability of coloured maize inbreds

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**Abstract :** The seeds of maize inbreds were visually colour graded into orange, light orange, yellow, light yellow, purple and white and physiological parameters were evaluated to predict their storability through accelerated ageing at  $40 \pm 1^\circ \text{C}$  and 100 % RH for 2,4 and 6 days. Antioxidant property was evaluated in the seed by the 2, 2-diphenyl-1-picrylhydrazyl (DPPH) free radical scavenging activity assay. The results indicated that the yellow coloured UMI 176 inbreds followed by purple coloured CAU M39 inbred were superior to other coloured inbreds for the germination and vigour parameters.

**Key Words :** Colour variation, Physiological parameters, 2, 2-diphenyl-1-picrylhydrazyl radical scavenging activity

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