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RESEARCH ARTICLE

Effect of pollen viability and method of storage on seed set, seed yield and seed quality under *in-vivo* condition of sunflower

■ V. K. DESHPANDE AND PRIYA KIVADASANNAVAR

SUMMARY

In vivo pollen viability studies revealed that there was no significant difference with 100 per cent fresh pollen (61.98) and combination of 75 per cent pollen + 25 per cent mixture and same either as fresh or stored in refrigerator and earthen pot for one day. Application of pollens stored under ambient condition for one day resulted in poor seed set *i.e.* 41.07 to 45.58 per cent. Seed yield as measured setting percentage and 100 seed weight were maximum with cent per cent pollen either as fresh or refrigerator and earthen pot storage. Lower values were recorded in pollen stored at ambient condition for one day.

Key Words : Pollen storage, Filler mixture, *In vivo*, Sunflower

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