



**RESEARCH ARTICLE :**

## Evaluation of hybrids for heterosis breeding in tuberose (*Polianthes tuberosa* L.)

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**SUMMARY :** An investigation was carried out on evaluation of  $F_1$  population (eight hybrids and three open pollinated seedlings) of tuberose to assess the relationship between yield and yield contributing characters. From the data on standard heterosis it could be inferred that positive and highly significant for two cross viz.,  $P_{4 \times P_1}$  (119.10 %) and  $P_{1 \times P_7}$  (400.56 %) over standard check I (Nilakottai local). The standard heterosis over check II (Prajwal) was highly significant and positive for two crosses viz.,  $P_{4 \times P_1}$  (11.43 %) and  $P_{1 \times P_7}$  (154.57 %). The  $P_{4 \times P_1}$  and  $P_{1 \times P_7}$  with higher standard heterosis for yield offered greater scope for exploitation for further breeding programmes.

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**KEY WORDS :**

Tuberose,  $F_1$  population, Standard heterosis, Floret weight, Yield

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