AJH
eISSN- 0976-724X

THE ASIAN JOURNAL OF HORTICULTURE
Volume **9** | Issue 2 | Dec., 2014 | 334-337
Visit us -*www.researchjournal.co.in*

RESEARCH PAPER

DOI : 10.15740/HAS/TAJH/9.2/334-337

Article history **:**
Received : 18.04.2014
Revised : 01.10.2014
Accepted : 17.10.2014

Methods for breaking dormancy and germination of tuberose (*Polianthes tuberosa*) seeds

P. RANCHANA, M. KANNAN[1] AND M. JAWAHARLAL[1]

Members of the Research Forum

Associated Authors:
[1]Department of Floriculture and Landscaping, Horticultural College and Research Institute, Tamil Nadu Agricultural University, COIMBATORE (T.N.) INDIA

Author for correspondence :
P. RANCHANA
Department of Floriculture and Landscaping, Horticultural College and Research Institute, Tamil Nadu Agricultural University, COIMBATORE (T.N.) INDIA
Email : ranchanahorti@gmail.com

ABSTRACT : The seed germination study is the utmost important character to develop new hybrids after successful fruitset. But the seeds of tuberose did not show much response under favourable climatic condition. Hence, the aim of the study was to break the dormancy and increase its germination by using various chemicals *viz.*, gibberellic acid, thiourea, potassium nitrate and indole butyric acid. Seed treatment with GA_3 @ 250 ppm for 8 hrs was found to be effective in improving the germination by 12.50 per cent which was 63.68 per cent higher than control.

KEY WORDS : Tuberose, Seeds, Germination

HOW TO CITE THIS ARTICLE : Ranchana, P., Kannan, M. and Jawaharlal, M. (2014). Methods for breaking dormancy and germination of tuberose (*Polianthes tuberosa*) seeds. *Asian J. Hort.*, **9**(2) : 334-337.