



RESEARCH PAPER

# Effect of sucrose and different chemical combinations to improve post harvest keeping in tuberose spikes

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## SUMMARY :

The experiment was conducted to evolve things related to post harvest physiology mechanism of cut flowers at crop physiology laboratory at Department of Crop Physiology, Agricultural College and Research Institute, Tamil Nadu Agricultural University, Madurai. This experiment comprised of chemicals viz., silver nitrate, calcium chloride, ascorbic acid, aluminium sulphate, sodium benzoate, sodium thio sulphate, cobalt sulphate, salicylic acid and coconut water with sucrose of two level concentrations 3 per cent and 5 per cent with the aim to increase the vase life of tuberose spikes. This was laid in Completely Randomized Design with three replications. Silver nitrate at 50 ppm+ 5% sucrose showed higher fresh weight of cut spikes over 50 per cent of coconut water + 3% level of sucrose, silver nitrate at 50ppm+ 5% sucrose showed higher per cent of opened florets over control. Silver nitrate at 50ppm+ 5% sucrose showed longest vase life of cut spikes of 18 days when compared to control.

**KEY WORDS :** Sucrose, Post harvest keeping, Cut flowers, Tuberose spikes

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