

Title To study the post harvest physiology of cut gerbera cv. Orangus
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Abstract

Gerbera is one of the most important flowers of the world. It is used as a cut flower in a huge quality through out the year. Large amount of this valuable flower is wasted during its post harvest phase. Developing an appropriate technology for handling of fresh cut gerberas is essential. Physiological change during post harvest decrease the shelf life and marketability. Anthocyanin pigment and its concentration in petals show direct relation with longevity of gerberas. Increase in Anthocyanin in petals shows reduction in longevity and marketability, however increasing in pigment depends on increasing respiration under normal temperature. Sucrose solution is reduction anthocyanin petals under mild temperature. No definite trend could be established on the influence of HQC on total anthocyanin content under both storage conditions. Ethylene emission increased during post harvest phase.