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VASE LIFE OF AFRICAN DAISY (*Gerbera jamesonii*)

AS AFFECTED BY DIFFERENT LIQUID MEDIA

THESIS

AGRI-SCIENCE CURRICULUM

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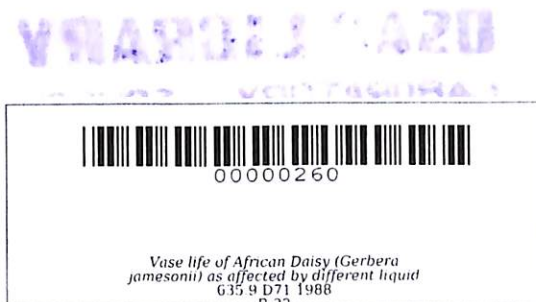
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~~VASE~~ LIFE OF AFRICAN DAISY (Gerbera jamesonii)
AS AFFECTED BY DIFFERENT LIQUID MEDIA

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Submitted to the Faculty of the Agri-Science Department
Don Severino Agricultural College, Indang, Cavite
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ABSTRACT

DONES, MARY GRACE M. Applied Research IV (Agricultural Science Curriculum) Don Severino Agricultural College, Indang, Cavite, March 1988. VASE LIFE OF AFRICAN DAISY (Gerbera jamesonii) AS AFFECTED BY DIFFERENT LIQUID MEDIA.
Advisers: Mr. Josefino A. Viado and Mrs. Edna A. Vida.

The study was conducted to: 1) determine the effects of the different liquid media used; 2) select which of the different media and its concentration could prolong the vase life of the flowers; 3) determine the effect of covering the glasses on the vase life of the flowers.

A total of 540 freshly harvested African daisies were used in a 3-factor factorial experiment in Complete Randomized Design (CRD) with three replications and five sample units. The different factors used in the experiment were: Factor A - preservatives - Sarsi, Sprite and Beer; Factor B - concentrations - 10%, 20%, 30%, 40% and 50% of the preservatives; Factor C - with cover and without cover, compared to control.

This study revealed that higher concentrations of Sarsi with covered containers particularly 40-50% are the best treatment media in prolonging the number of days from soaking to softening, number of days from soaking to bending of peduncle, number of days from soaking to fall-

ing of petals and in number of days from soaking to drying stage. Sprite can be an alternative in lengthening the number of days from soaking to falling of petals. Furthermore, Sarsi with or without cover preservative solutions proved to be superior in decreasing the degree in stem bending. Beer solutions significantly lowered the vase life of daisies at different parameters showing that Beer could not be used as preservative due to its adverse effect.

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by

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INTRODUCTION

Importance of the Study

African daisy (*Gerbera jamesonii*) is one of the most beautiful, important and common flowers in our locality. Its name was derived from "days eye" meaning that its petal close at dusk and open at daybreak, which is the early English description of the flower.

Because it is a short day plant, it is easy to raise. Nowadays, most of the farmers depend their family income on these flowers.

African daisies have high demand in the market today and therefore their preservation must be given due consideration. It is deemed necessary that the appropriate