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1992

EVALUATION OF COSMIC ENERGY COLLECTOR
FOR FRUIT AND VEGETABLE PRESERVATION

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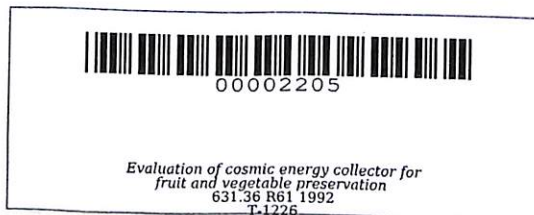
Indang, Cavite

APRIL 1992

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EVALUATION OF COSMIC ENERGY COLLECTOR FOR
FRUIT AND VEGETABLE PRESERVATION

Undergraduate Thesis
Presented to the Faculty of the
Department of Engineering and Agro-Industrial Technology
Don Severino Agricultural College
Indang, Cavite

In Partial Fulfillment
of the Requirements for the Degree of
Bachelor of Science in Agricultural Engineering
(Major in Crop Processing)



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April 1992

ABSTRACT

RODIS, ALLAN JERICO DIOKNO, Don Severino Agricultural College, Indang, Cavite, April 1992. EVALUATION OF COSMIC ENERGY COLLECTOR FOR FRUIT AND VEGETABLE PRESERVATION.
Adviser: Eng'r Conrado M. Baltazar.

A study was conducted at the Department of Engineering and Agro-Industrial Technology to verify the principles involved in using Ernyform and to evaluate the Ernyform for fruit and vegetable preservation.

The storage device was assembled for a period of one day with a labor fee of P100 per day. The materials for the construction of the storage device cost P178. All in all the storage device cost P278 including the labor fee.

Three different kinds of fruits and vegetables were used in the evaluation of the Ernyform. The fruits were, pineapple, banana, and calamansi while the vegetables were, mustard, tomato, and eggplant. The Ernyform was evaluated using the independent variables; temperature and relative humidity, and dependent variables: quality, preserve life, and weight loss.

Results showed that vegetables stored in the Ernyform and evapocooler retained their good quality. Furthermore, fruits stored in the Ernyform had a longer preserve life compared to the other media.

TABLE OF CONTENTS

	PAGE
BIOGRAPHICAL DATA	iii
ACKNOWLEDGMENT	iv
LIST OF TABLES	viii
LIST OF FIGURES	ix
LIST OF APPENDIX TABLES	x
LIST OF APPENDIX FIGURES	xi
ABSTRACT	xii
INTRODUCTION	1
Importance of the Study	2
Objectives of the Study	3
Time and Place of the Study	3
Scope and Limitation of the Study	4
REVIEW OF LITERATURE	5
MATERIALS AND METHODS	7
Materials	7
Description of the Device	7
Preliminary Test	7
Experimental Design	9
Statistical Analysis	12
RESULTS AND DISCUSSION	13
Preliminary Test	13

The Preserve Life	14
The Quality	16
Color	17
Texture	17
Quality Deterioration	18
The Moisture Loss	25
The Temperature and Relative Humidity	25
The Cost Analysis	28
SUMMARY, CONCLUSION, AND RECOMMENDATION	32
Summary	32
Conclusion	32
Recommendation	32

LITERATURE CITED

APPENDICES

LIST OF TABLES

TABLE		PAGE
1	Preserve Life of Fruits as Affected by Temperature and Relative Humidity	15
2	Preserve Life of Vegetables as Affected by Temperature and Relative Humidity	16
3	Average Temperature at Interval of Six Hours	26
4	Average Relative Humidity at an Interval of Six Hours	27
5	Cost Analysis of Ernyform	29
6	Salted Egg Production Using The Ernyform	30

LIST OF FIGURES

FIGURES		PAGE
1	The Ernyform	8
2	Mustard After Six Days of Observation	19
3	Tomato After Six Days Of Observation	20
4	Eggplant After Six Days Of Observation	21
5	Pineapple After Six Days Of Observation	22
6	Banana After Six Days Of Observation	23
7	Calamansi After Six Days Of Observation	24

LIST OF APPENDIX TABLES

APPENDIX TABLE		PAGE
1	Weight Loss of Fruits at an Interval of Six Hours	37
2	Weight Loss of Vegetables at an Interval of Six Hours	38
3	Average Temperature per Six Hours	39
4	Average Relative Humidity per Six Hours	40

LIST OF APPENDIX FIGURES

APPENDIX FIGURE		PAGE
1	Photographic View of Ernyform	35
2	Photographic View of Ernyform with Platform	36

EVALUATION OF COSMIC ENERGY COLLECTOR FOR
FRUIT AND VEGETABLE PRESERVATION^{1/}

^{1/}An Undergraduate Thesis presented to the faculty of the Don Severino Agricultural College, Indang, Cavite in partial fulfillment of the requirements for the degree of Bachelor of Science in Agricultural Engineering (BSAE) Major in Crop Processing. Contribution No. AE-92016-10 . Prepared in the Department of Engineering and Agro-Industrial Technology under the supervision of Eng'r Conrado M. Baltazar.

INTRODUCTION

Post harvest management here in the Philippines is one of the common source of losses due to the fact that not all producers are familiar with the methods and techniques in proper handling and storage. Furthermore, some of the available equipments are unaffordable especially for small scale farmers. Because of the advancement of science, a filipino scientists have discovered and invented a device that can possibly be used for food, fruit and vegetable storage or preservation. This device is called cosmic energy collector or the Ernyform (Energy-of-forms). this is a device used in tapping cosmic energy (Bulletin Today, 1979).

Cosmic energy is a form of energy that cannot be seen by the naked eye. It is the most abundant and cheapest source of energy present in the environment (Baron, 1989).