

EFFECTS OF DIFFERENT PROCESSING METHODS IN  
REDUCING INSECTICIDAL RESIDUES ON

BUSHITAO PODS

By

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## **Abstract.**

A study was carried out to evaluate the residual effects of three recommended insecticides and their removal by different processing procedures.

Bioassay method was used for the evaluation of insecticidal toxicity. Aphids were used as indicator organisms to assess residues in the bioassay method. Three insecticides (Acephate, Dimethoate and Imidachloprid) recommended for the aphids were used. Pre-treatment methods included washing of Bushitao pods with tap water, salt-water and 10% (w/v) buttermilk.

The residual toxicity of Dimethoate was found to last for 14 days followed by Acephate and Admire with 12 days and 10 days respectively. Washing the pods with salt-water was very effective in removing insecticidal residues followed by tap water and buttermilk.

This study concludes that, washing Bushitao pods with 2 % salt-water will reduce the toxic effect of insecticides.

# Contents.

	Page No
Abstract	I
Acknowledgement	II
Contents	IV
List of figures	viii
List of Tables	ix
List of plates	x
<b>Chapter 1 Introduction</b>	6
<b>Chapter 2 Review of Literature</b>	6
2.1 Pesticides	6
2.2 Pesticide development: Historical perspective	7
2.3 Insecticides	11
2.3.1 Classification of Insecticides	11
2.3.1.1. Classification by chemical nature	11
2.3.1.1.1 Inorganic compound	12
2.3.1.1.2 Organic compounds	12
2.3.1.2 Classification of insecticides by mode of action	13
2.3.1.2.1 Stomach toxicants	13
2.3.1.2.2 Contact toxicants	13
2.3.1.2.3 Fumigants	13
2.3.1.2.4 Systemic toxicants	13

2.4 Poisoning with chemicals and hazards of pesticides	14
2.4.1 Hazardous nature of pesticides	14
2.4.2 Pesticides and the Environment	16
2.4.3 Effects of Agro-chemicals on human body	17
2.4.3.1 Discharges from hospitals, and deaths in hospitals following poisoning- 1984	18
2.4.4 Health hazardous of pesticides residue	19
2.5 Sources and Location of residues in foodstuffs	21
2.6 Pesticide Residue Analysis	23
2.6.1 Analytical methodology	23
2.6.2 Bioassay methodology	23
2.6.2.1 Advantages of bioassay method	24
2.6.2.2 Disadvantages of bioassay method	24
2.6.2.3 Bioassay method	25
2.6.2.3.1 Dry film method	25
2.6.2.3.2 Aqueous suspension method	25
2.6.2.3.3 Feeding method	26
2.6.2.3.4 Enzymatic method	26
2.6.2.3.5 Leaf section bioassay method	26
2.6.2.4 Studies related to bioassay method of residual toxicity finding	26
2.7 Commercial processing stages and their effect on residual level	27
2.7.1 Cold-water washing	27
2.7.2 Blanching	28

2.7.3 Trimming and Peeling	29
2.7.4 Freezing	29
2.7.5 Canning	29
2.7.6 Dehydration	30
2.7.7 Juicing	30
2.7.8 Storage	31
2.7.9 Domestic processing	31
<b>Chapter 3 Materials and Methods</b>	<b>33</b>
3.1 Location	33
3.1.1 Layout and Design	33
3.1.2 Treatments	34
3.1.3 Pot size and spacing	35
3.1.4 Pot filling	35
3.1.5 Basal fertilizer application	35
3.1.6 Seed treatment and planting	35
3.2 Agronomic Practices	35
3.3 Insecticide application	36
3.4 Pre-treatment methods used to remove insecticides	37
3.4.1 Control treatment	37
3.4.2 Placement of pods	38
3.5 Observation and Data collection	38
3.5.1 Data collection for evaluation of residual toxicity	38
3.5.2 Data collection for different treatments	38