

## TABLE OF CONTENTS

	Page
INTRODUCTION	1
REVIEW OF LITERATURE	7
Production and Consumption	8
Chemical Composition	18
Nutritive Value of Legume Proteins	22
Biological Quality of Legume Proteins	27
Carbohydrates in Legumes	48
Flatulence	70
Antinutritional Factors	80
MATERIALS AND METHODS	99
Selection of Samples	99
Methods of Processing	100
Chemical Analysis	105
Biological Studies	106
Studies on Carbohydrates in Legumes	117
Study on Flatus	123
Antinutritional Factors	127
Statistical Analysis	128
RESULTS AND DISCUSSIONS	129
Proximate Composition	129
Nutritive Quality of Legume Proteins	132
Carbohydrates in Legumes	181
Study on Flatulence	210
Antinutritional Factors	218

	Page
SUMMARY AND CONCLUSION	224
SUGGESTIONS FOR FUTURE RESEARCH	230
BIBLIOGRAPHY	231
APPENDICES	1-50