

Contents

CONTENTS

CHAPTER NO	TITLE	PAGE NO
	LIST OF TABLES	
	LIST OF FIGURES	
	LIST OF PLATES	
	LIST OF APPENDICES	
I	INTRODUCTION	1
II	REVIEW OF LITERATURE	5
III	EXPERIMENTAL PROCEDURE	26
IV	RESULTS AND DISCUSSION	34
V	SUMMARY AND CONCLUSION	57
	BIBLIOGRAPHY	
	APPENDICES	

LIST OF TABLES

TABLE NO	TITLE	PAGE NO
I	ANALYSIS OF BIOCHEMICAL PARAMETERS AND SOIL SAMPLES	33
II	THE ROOT AND SHOOT LENGTH OF CHILLI PLANTS	36
III	EFFECT OF BIOFERTILIZER, VERMICOMPOST AND CHEMICAL FERTILIZER ON THE FRESH AND DRY WEIGHTS OF CHILLI	38
IV	THE NUMBER OF LEAVES AND MOISTURE CONTENT IN CHILLI PLANTS	40
V	LEVELS OF CHLOROPHYLL AND CAROTENOID CONTENTS OF CHILLI AS INFLUENCED BY THE BIOFERTILIZER, VERMICOMPOST AND CHEMICAL FERTILIZER	42
VI	PROTEIN, TOTAL PHENOL AND TOTAL CARBOHYDRATE CONTENTS IN CHILLI	45
VII	NPK CONTENTS OF CHILLI PLANTS AS INFLUENCED BY THE APPLICATION OF BIOFERTILIZER, VERMICOMPOST AND CHEMICAL FERTILIZER	48
VIII	BIOCHEMICAL CONSTITUENTS OF VERMICOMPOST	52
IX	PHYSICO-CHEMICAL PROPERTIES OF SOIL AT THE INITIAL AND AT THE POST HARVEST STAGES	53

LIST OF FIGURES

FIGURE NO	TITLE	PAGE NO
I	CHLOROPHYLL CONTENT IN <i>Capsicum annuum</i> L.	44
II	CAROTENOID CONTENT IN <i>Capsicum annuum</i> L.	44
III	PROTEIN CONTENT IN <i>Capsicum annuum</i> L.	46
IV	TOTAL PHENOL CONTENT IN <i>Capsicum annuum</i> L.	47
V	TOTAL CARBOHYDRATE CONTENT IN <i>Capsicum annuum</i> L.	47
VI	NITROGEN CONTENT IN <i>Capsicum annuum</i> L.	50
VII	PHOSPHORUS CONTENT IN <i>Capsicum annuum</i> L.	51
VIII	POTASSIUM CONTENT IN <i>Capsicum annuum</i> L.	51

LIST OF PLATES

PLATE NO	TITLE	PAGE NO
I	<i>Azophos</i>	27
II	VERMICOMPOST	27
III	TRIPLE 17 COMPLEX	27
IV	SEEDS OF CHILLI	27
V	CHILLI PLANTLETS BEFORE TRANSPLANTATION	29
VI	GROWTH OF CHILLI ON THE 50 th DAY AFTER TRANSPLANTATION	30
VII	GROWTH OF CHILLI ON THE 90 th DAY AFTER TRANSPLANTATION	31

LIST OF APPENDICES

APPENDIX NO	TITLE
I	ESTIMATION OF CHLOROPHYLL
II	ESTIMATION OF TOTAL CAROTENOID
III	ESTIMATION OF PROTEIN
IV	ESTIMATION OF TOTAL CARBOH ^y DRATE _^
V	ESTIMATION OF TOTAL PHENOL
VI	ESTIMATION OF NITROGEN
VII	ESTIMATION OF PHOSPHORUS
VIII	ESTIMATION OF POTASSIUM
IX	ESTIMATION OF ORGANIC CARBON
X	ESTIMATION OF CALCIUM AND MAGNESIUM
XI	SOIL ACIDITY AND SOIL SALINITY
