TABLE OF CONTENTS

Subject	Page
Introduction	1
Review of literature	3
Effect of transplanting	3
I. Effect of transplanting on growth of sugar beet	3
II. Effect of transplanting on yield and its quality of sugar beet	5
II. Effect of calcium treatments	9
III. Effect of fungicide treatments	11
Material and methods	14
Results and discussion	21
I. 1. Growth of Sugar beet.	21
II. Effect of planting method	21
III. Effect of calcium application	33
III. Effect of fungicide treatment on growth of sugar beet	42
2. Yield, and its quality	52
I. Effect of planting methods on sugar beet yield	ma J
and root character	52
II. Effect of calcium application on sugar yield and root characters	61
III. Effect of fungicide application on sugar yield and root characters	64

Subject	Page
3. Quality characters of sugar beet	69
I. Effect of planting method	69
II. Effect of calcium application	71
III. Effect of fungicide treatment	73
 Interaction between planting method and calcium application Interaction between planting methods and 	75
fungicide treatments	78
3. Effect of interaction between calcium and	
fungicide treatment	81
4. Effect of interaction between planting method, calcium application and fungicide treatments.	83
5. Effect of interaction between calcium application and fungicide treatments on yield and quality characters	86
6. Interaction effect of planting method and	
fungicide treatment	89
II. Pot Experiment	90
I. Effect of infestation	90
II. Effect of planting methods	92

Subject	Page
* Effect of planting methods on growth	95
* Effect of calcium on growth	99
* Effect of the interaction between planting methods and calcium application on disease severity	(10 =0.799)
and the state of t	103
Summary	105
References	114
Arabic summary	