

C O N T E N T S

I- INTRODUCTION.....	1
II- REVIEW OF LITERATURE.....	3
1- Physical and chemical properties of some Egyptian soil in relation to plant growth..	3
2- Vegetative growth as affected by soil type, irrigation regime and potassium fertilization.	7
3- Leaf and root nutrient content in response to soil type, irrigation regime and potassium fertilization.....	19
III- MATERIALS AND METHODS.....	36
IV- RESULTS AND DISCUSSION.	
Part 1. Effect of soil type, irrigation regime and potassium fertilization on vegetative growth of rough lemon and sour orange seedlings.....	44
Part. 2. Effect of soil type , irrigation regime and potassium fertilization on leaf mineral content of rough lemon and sour orange seedlings.....	64
Part 3. Effect of soil type, irrigation regime and potassium fertilization on root mineral content of rough lemon and sour orange seedlings.....	78
V- SUMMARY	90
VI- LITERATURE CITED.....	96
VII- ARABIC SUMMARY.	