

CONTENTS

	<u>Page</u>
INTRODUCTION.....	1
REVIEW OF LITERATURE	2
1- Mecahnism of salt tolerance in plant	2
2- Straw yield and its related characters and tolerance to salinity	6
3- Seed yield and its related characters and tolerance to salinity.....	10
4- Technological characters and tolerance to salinity.....	16
5- Anatomical studies	19
MATERIALS AND METHODS	21
RESULTS AND DISCUSSION	29
First experiment (pot experiment):	29
I- Straw yield and its related characters	29
1- Technical stem length	29
2- Stem diameter	32
3- Straw yield per plant.	35
4- Fiber yield per plant	38
II-Seed yield and its related characters	41
1- Upper branching zone length	41
2- Number of capsules per plant	44
3- Number of seeds per capsule	47
4- Number of seeds per plant	50
5- Seed yield per plant	53
6- Seed index	56
III- Technological characters	59
1- Fiber length	59
2- Fiber fineness	62
3- Oil percentage	65