

CONTENTS

	Page
INTRODUCTION	1
REVIEW OF LITERATURE	2
MATERIAL AND METHODS.....	26
RESULTS AND DISCUSSION.....	30
A. EFFECT OF NITROGEN FERTILIZER LEVEL	30
I. Growth characters	30
1 - Plant height	30
2 - Ear height	32
3 - Number of leaves per plant	32
4 - Area of topmost ear leaf	33
II. Agronomic characters	
1 - Days to 50 % tasseling	34
2 - Days to 50 % silking	35
3 - Percentage of barren plants	36
4 - Number of ears per plant	37
III. Ear characters :	
1 - Ear length	38
2 - Ear diameter	39
3 - Ear weight	40
4- Number of rows per ear	40
IV. Grain yield and its components :	
1 - Weight of 100 kernels	41
2 - Shelling percentage	42
3 - Grain yield (kg/fed).....	43
V. Chemical content of leaves and grains :	
1 - N content in leaves	