CONTENTS	Page
INTRODUCTION	ĺ
REVIEW OF LITERATURE	2
MATERIALS AND METHODS	27
RESULTS AND DISCUSSION	33
RESULTS AND DISCUSSION	55
Varietal performance	51
1. Heading date	51
2. Maturity date	51
3. Plant height (cm)	52
4. Spike length (cm)	53
5. Number of kernels/spike	53
6.Number of spikes/m ²	55
7. Weight of kernels/spike (g)	55
8. Weight of 1000- kernel (g)	55
9.Grain yield (ard. Fad.)	57
10. Straw yield (ton/fad.)	57
11.Biological yield (ton/fad)	58
12. Harvest index	58
13. Protein %	58
Effect of interaction between genotypes and seasons:	
1. Heading date	60
2. Maturity date	60
3. Plant height (cm)	62
4. Spike length (cm)	62
5. Number of kernels/spike	62
6.Number of spikes/m ²	64
7. Weight of kernels/spike (g)	64
8. Weight of 1000- kernel (g)	64
9.Grain yield (ard. Fad.)	67
10. Straw yield (ton/fad.)	67
Effect of interaction between genotypes and irrigation treatmens:	69
1. Heading date	69
2. Maturity date	70
3. Plant height (cm)	70
4. Spike length (cm)	72
5. Number of kernels/spike	72
6.Number of spikes/m ²	72
7. Weight of kernels/spike (g)	74
8. Weight of 1000- kernel (g)	74
9.Grain yield (ard. Fad.)	76
10. Straw yield (ton/fad.)	76
11.Biological yield (ton/fad)	76
12. Harvest index	. 78

13. Protein %	78
Effect of interaction between genotypes x irrigation treatment x season	78
1. Heading date	80
2. Number of spikes/m ²	81
3. Weight of kernels/spike (g)	81
4. Weight of 1000- kernel (g)	83
5. Protein %	83
Susceptibility index (SI)	86
1.Grain yield (ard. Fad.)	00
2. Straw yield (ton/fad.)	89
3.Biological yield (ton/fad)	90
	90
SUMMARY	91
REFFERENCES	95
ARABIC SUMMARY	,,,