

C O N T E N T S

	Page
INTRODUCTION	1
REVIEW OF LITERATURE	3
MATERIALS AND METHODS	16
RESULTS AND DISCUSSION	21
I. Effect of planting dates, N-levels and suckers on silking date of maize	21
II. Effect of planting dates, N-levels and suckers on growth characters of maize	25
1. Plant height	25
2. Ear position	29
3. Stem diameter	32
4. Number of green leaves/plant	35
5. Leaf area	39
III. Effect of planting dates, N-levels and suckers on percentage of wilted plants	42
IV. Effect of planting dates, N-levels and suckers on yield components	46
1. Percentage of barren plants	46
2. Number of ears/plant	50
3. Percentage of double-eared plants	53
4. Ear length and diameter	56
5. Weight of ear and of kernels/ear	62
6. Weight of 100 kernels	68
7. Grain yield per plant	71
V. Effect of planting dates, N-levels and suckers on yield of maize	75
1. Grain yield per faddan	75
2. Yield of crude protein	80
VI. Suckers formation	86
A. Effect of planting dates and N-levels on number of suckers per plant	86

	Page
B. Effect of planting dates and N-levels on suckers height	88
C. Effect of planting dates and N-levels on sucker diameter	90
SUMMARY	92
REFERENCES	99
ARABIC SUMMARY	