

CONTENTS

	Page
1-INTRODUCTION.....	1
2-REVIEW OF LITERATURE.....	3
3-MATERIALS AND METHODS.....	28
4-RESULTS AND DISCUSSION.....	34
4-1- Vegetative growth characteristics	34
4-2- Chemical constituents of plant foliage	39
4-3-Flowering characteristics	44
4-4- Green pods yield and its components ...	48
4-5- Dry seed yield and its components	53
4-6- Chemical constituents of seeds	57
A-Minerals constituents.....	57
B- Sugar content	60
4-7- Seed quality	63
5-Summary and conclusion	68
6-References.....	73
*Arabic Summary.....	