CONTENTS

Subject
1- Introduction 2
2- Review of literature 2
2.1- Effect of sowing date. 7
2.2- Effect of growth regulators (Benzyl adenine and uniconazole). 14
2.3- Effect of pre-sowing seeds vernalization. 20
3- Materials and Methods. 29-86
4- Results and Discussion.
4.1. Effect of sowing date and growth regulators (BA & Uni.) as well as their interaction on:
4.1.1- seed germination % and vegetative growth.
4.1.2- chemical composition of plant foliage.
4.1.3- flowering behaviour of pea plant
4.1.4- green pods yield and its components.
4.1.5- quality of green pods and seeds.
a) Physical characters of green pods.
b) Chemical contents of seeds.
4.2- Effect of sowing date and pre-sowing seeds vernalization as well as their interaction on:
4.2.1- seed germination % and vegetative growth.
4.2.2- endogenous hormones of plant foliage.
3.2.3- Chemical composition of plant foliage.
4.2.4- flowering behaviour of pea plant.
4.2.5- green pod yield and its components.
4.2.6- quality of green pods and seeds.
a) Physical characters of green pods.
b) Chemical contents of seeds.
5- Summary and conclusion. 87-92
6- References. 93-112
7- Arabic summary.