

CONTENTS

Introduction	1
Chapter 1. Observations on the biology of the khapra beetle, <u>Trogoderma granarium</u> Everts, under laboratory conditions	7
2. Observations on the effect of temperature and population density on the incidence of diapause in <u>Trogoderma granarium</u>	13
3. Observations on the cytology and cytochemistry of the fat body of normal and diapausing larvae of <u>Trogoderma granarium</u>	27
4. Observations on the larval fat body of <u>Oryctes rhinoceros</u> with particular reference to the cytochemistry of the proteinaceous globules	46
5. A histological study of the changes in the fat body during metamorphosis with special reference to the proteinaceous globules	85
6. A study of the protein, fat and glycogen contents of normal and diapausing larvae of <u>T. granarium</u>	99
7. Quantitative changes of fat and glycogen during metamorphosis in <u>Trogoderma granarium</u>	114
Summary	127
Bibliography	134