



Table of contents

Chapter I: General introduction

Oilseed rape	1
Oilseed rape pests in Germany	1
Pest management strategies	4
Host selection of herbivorous insects	6
Objectives	7
References	8

Chapter II: Performance of cabbage stem flea beetle larvae (*Psylliodes chrysocephala* L.) on brassicaceous host plants with different glucosinolate profile

Abstract	19
Introduction	20
Materials and Methods	21
Results	23
Discussion	27
References	31

Chapter III: Effects of host plant characteristics on the feeding preference of adult cabbage stem flea beetle (*Psylliodes chrysocephala* L.)

Abstract	37
Introduction	37
Materials and Methods	39
Results	43
Discussion	48
References	52

Chapter IV: Susceptibility of turnip rape cultivars to infestation by insect pests

Abstract	59
Introduction	60



Materials and Methods	61
Results	63
Discussion	72
References	75
 Chapter V: Management of insect pests on winter oilseed rape by perimeter strips of turnip rape	
Abstract	81
Introduction	82
Materials and Methods	83
Results	85
Discussion	90
References	93
 Chapter VI: General discussion	
Screening of cultivars	99
Trap cropping	102
Conclusions	104
References	106
 Abstract	115
 Zusammenfassung	117
 Appendix	119
 Danksagung	122
 Curriculum vitae	123