

**TÜRKİYE'NİN MICROLEPIDOPTER'LERİ
VE
MEYVA ZARARLILARI
(THE MICROLEPIDOPTERA AND DECIDUOUS
FRUIT PESTS OF TURKEY)**

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ZEKİYE İREN**

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TÜRKİYE'NİN MICROLEPIDOPTER'LERİ VE MEYVA ZARARLILARI

Zekiye İREN¹

GİRİŞ

Memleketimizde kültür bitkilerinde zararlı olan böceklerin lâtince, Türkçe ve diğer dillerdeki isimlerinin takımlar halinde hazırlanması ve sonunda Türkiye'nin bugüne kadar tesbit edilmiş bulunan türlere göre böcek faunasının ortaya çıkabileceği; zamanla hazırlanacak olan listelere ilâvelerin olabileceği düşünölmüştü. Böceklerden Lepidoptera takımının Microlepidoptera kısmının hazırlanması da bana verilmişti.

Çalışmalarım sırasında verilmiş Türkçe isimleri, konukçu kültür bitkileri ve zararlarına göre Microlepidoptera türlerini aldığım da, daha birçok türlerin memleketimizde bulunmuş olmasına rağmen dışarıda kaldığını gördüm. Diğer dillerde de birçok böcek türlerine isim verilemediğini gözönünde bulundurarak, önce elimizdeki kayıtlara göre memleketimizde bulunan Microlepidopterlerin, ilmi isimlerine göre familya, cins ve türlerinin, sonra da Türkçe isim verebildiklerimizin, diğer yabancı dillerdeki isimleri ve zararlı oldukları kültür bitkileri veya konukçularının gösterilmesinin daha faydalı olabileceği kanısına vardım.

Hazırladığım listede Türkiye'de Microlepidopterlerin 294 cinsine ait 1111 türün (türlerin çok az bir kısmı varyete) bulunduğu görölmekte ise de, bulamadığım daha bazı kayıtların olabileceğini ayrıca değişik familyalardan daha birçok türlerin Yunanistan, Bulgaristan, Kafkasya, İran, Irak, Suriye gibi yakın komşularımızda bulunmuş olmasını ve bunların zamanla memleketimize de girebileceğini düşünerek bu listeye daha bazı ilâvelerin yapılabileceği görüşündeyim.

Kelebekler, çeşitli cazip renkleri, uçuşları, duruşları ile zararlı olabilecekleri düşünölmeksizin sevilen böceklerdir. Bu sebeple, bir taraftan birçok kimseler şahsi zevkleri olarak kelebeklerle meşgul olmakta, koleksiyon yapmakta ve hatta memleketler arasında gerek kuru koleksiyon materyali olarak, gerekse pul gibi çeşitli şekillerde mübadeleleri de yapılmaktadır. Bunda daha ziyade Macrolepidopter'ler önemli yer almaktadır. Bazı kelebeklerin de insan yaşantısında önemli yer alabilen faydalarından bahsedilebilir. İpek böceğinin sadece fertler üzerinde değil memleketlerin ekonomisinde aldığı yer burada kaydedilebilir. Diğer taraftan kelebekler, larvalarının kültür bitkileri, orman ve süs bitkileri, evlerdeki giyim, döşeme eşyalarından ambar ve depolarımızdaki yiyecek maddelerimize kadar yaptıkları önemli zararları, bazı tırtılların kılıklarında bulunan zehirli maddelerin insanların cildinde kaşıntı ve hatta yaralara sebep olmaları ve tür zenginliği ile de ilgili olarak birçok entomologların meşgul oldukları bir böcek grubudur.

1 Bölge Ziraî Mücadele Araştırma Enstitüsü Meyva - Bağ Zararlıları Laboratuvarı Şefi, ANKARA

Lepidoptera takımı, esasta büyük farklar olmamakla beraber değişik yazarlara göre farklı alt takımlara ayrılmaktadır. Bir kısım kimseler, vücut parçalarında görülen bazı farklılardan başka uçuş zamanlarına göre Gündüz kelebekleri veya Kelebekler (Rhopalocera), Gece kelebekleri veya Güveler (Heterocera); bazıları ise, kanat büyüklüğü, damarlanış şekli, ön ve arka kanatların birleşme durumlarını gözönünde bulundurarak Homoneura (Jugatae) (iki kanat birbirine jugum adı verilen ufak bir çıkıntı ile birleşir) ve Heteroneura (Frenatae) (Kanatlar ikinci kanadın ön kenarının dip tarafında bulunan frenulum veya arka kanadın dip tarafının genişlemesiyle birbirine tutunur) olarak iki alt takıma ayırmaktadırlar.

Balachowsky (1966) Heteroneura alt takımını Monotrysis ve Ditrysis olarak ikiye ayırmakta ise de; Imms (1957) Lepidoptera takımının, dişlerin genital sistemlerine göre Zeugloptera, Monotrysis ve Ditrysis olarak üç alt takıma ayrılacağını, ayrıca ilk tasniflerde kelebeklerin büyüklükleri gözönünde bulundurularak Microlepidoptera ve Macrolepidoptera olarak ayırım yapıldığı Zeugloptera, Monotrysis alt takımları ile Ditrysis alt takımının Pyralidoidea, Tineoidea ve Tortricoidea üst familyalarının Microlepidoptera kısmını teşkil ettiğini kaydetmektedir.

Ben, Imms (1957)'in Microlepidoptera tarifini esas almakla beraber, Schimitschek (1944)'in Cossidae, Sesiidae, Zygaenidae Schaffner (1959)'in Zygaenidae, Cossidae, Psychidae familyalarını Microlepidoptera; Balachowsky (1966)'nin Psychidae familyasını Tineina grubu içine almalarını; Blunck (1953)'un Psychidae ve Cossidae familyalarını Tineoidea üst familyasında ve Zygaenina üst familyasını da Tineoidea, Pyralidina, Castnioidea üst familyaları ile aynı alt takımda (Heteroneura) göstermesini, Imms (1957)'in Cossidae familyasını Cossoidea; Zygaenidae, Psychidae familyalarını da Psychoidea üst familyasında topladığını gözönünde bulundurarak; bazı yazarların Macrolepidoptera arasında gösterdikleri (Alkan 1946, Beffa 1949, Kamsu 1963 v.b.) bahis konusu familyalara ait güveleri de Cossoidea ve Psychoidea üst familyaları altında buraya almada fayda gördüm.

Türlerin yerini belirtmede Imms (1957), Balachowsky (1966), Brues, Melander ve Carpenter (1954), Blunck (1953), Spuler (1910), Staudinger ve Rebel (1901)'den faydalandım. Türkiye'de bulunmuş olan mikrolepidoptera türlerinin cins, familya ve üst familyalarını alfabetik sıraya göre gösterdim. Türkçe ve diğer dillerdeki isimleri bulmak için de ilgili literatür listesinde gösterdiğim yayınlardan başka bazı kitap, broşür ve makaleleri de tetkik ettim.

Bu eserin, memleketimizde şimdiye kadar ne gibi microlepidopter'lerin bulunduğunu göstermesi bakımından faydalı olacağını umarım. Adı geçen böceklerin numunelerinin de bir yerde bulunması ve ilâveleriyle zengin bir microlepidoptera koleksiyonumuzun olması hiç şüphesiz arzu edilmelidir. Bunun da çeşitli müesseselerimiz ellerinde bulunan bazı numunelerin bir araya getirilerek Nebat Koruma Müzesinde toplanıp zamanla da ilâvelerinin yapılarak gerçekleştirilebileceğine inanıyorum.

Türkiye'de meyvalarda veya meyva ağaçlarında ne gibi böceklerin bulunduğu yakalanan bir böceğin daha önce bulunup bulunmadığı, zararının ne olduğu hususundaki sorularla sık sık karşılaşılmaktadır. Memleketimizde birçok böceklerin gerek yaşayışları, gerekse mücadeleleri üzerinde pekçok çalışmalar yapılmış olmakla beraber, bazı bilgiler istenildiğinde çoğu zaman bir hayli dökümanın tetkikine ihtiyaç duyulmaktadır. Bu durum gözönüne alınarak, meyvalarda bulunan zararlıların neler olduğunu, zararını, bulunduğu bitki ve yeri göstermek gayesi ile kısa bilgileri içine alan bir listenin hazırlanmasının uygun olacağını düşündüm.

Mayıs - Ekim 1969 arasında RCD programı ile Enstitümüz Meyva - Bađ Zararlıları Laboratuvarında çalışmak üzere gelmiş bulunan M.K. Ahmed'de konu ile ilgillemiş diđer memleketler için de faydalı olacağı gözönünde bulundurulmuş ve bir liste hazırlanmıştı. Bilâhare bu liste üzerinde de biraz daha çalıştım ve ikinci kısım olarak bu yayına eklenmesinin faydalı olacağını düşündüm. Listeyi meydana getirebilmek için Literatür listesinde verilen yayınlardan başka Bitki Koruma Bültenleri, Tomurcuk, Türkiye Ziraatına Zararlı Olan Böcekler ve Mücadelesi Fasikülleri, v.b., Meyva ve Bađ Zararlıları çalışma gruplarına sunulan raporlardan faydalandım.

Listede adı geçen zararlılar, yapmış oldukları zararlara göre önemli (Major), lokal olarak veya bazı hallerde fazlaca zarar yapabilenler (Do), zararı az olanlar (Minor), çok az zararı görülenler veya sadece bulunmuş olanlar (Scarce, Found) kelimeleri ile ifade edilmiştir. Meyva bahçeleri ve bađlarda alt bitki veya meyva çeşidi dışında her hangi bir bitkide bulunmuş olan böcekler listeye alınmamışlardır. Memleketimiz sathında geniş ölçüde yaygın olan böcekler ile toplandığı yer kesin olarak bilinmeyen böceklerin yayılışı Türkiye (Turkey) olarak gösterilmiştir.

Listeye konu teşkil eden meyvalar Antep fıstığı (Pistachio), Armut (Pear), Ayva (Quince), Badem (Almond), Ceviz (Walnut), Elma (Apple), Erik (Plum), Fındık (Hazelnut), İncir (Fig), Kaysı (Apricot), Kestane (Chestnut), Kiraz - Vişne (Cherries), Nar (Pomegranate), Şeftali (Peach), Zeytin (Olive) ve Bađ (Grapes) dir.

I. KISIM

TÜRKİYE'NİN MICROLEPIDOPTER'LERİ

Memleketimizde bulunan Microlepidoptera türleri Ditrysia alt takımının Cossioidea, Psychoidea, Pyralidoidea, Tineoidea, Tortricioidea üst familyaları ile Monotrysia ve Zeugloptera alt takımları altında toplanıp harf sırasına göre sıraya konularak aşağıda gösterilmiştir.

ALT TAKIM : D I T R Y S I A

Üst Familya : Cossioidea

Familya: Cossidae

Cins: Cossus F.

1. *C. cossus* L.

Syn.: *C. ligniperda* F.

Trypanus cossus L.

2. *C. funkei* Röber

Cins: *Dyspessa* Hb. (*Endagria* B.)

3. *D. bipunctata* Stgr.

4. *D. emilia* Stgr.

5. *D. pallidata* Stgr.

6. *D. ulula* Bkh.

7. *D. ulula* ab. *infuscata* Stgr.

8. *Dyspessa ulula* ab. *marmorata* Rbr.

Cins: *Stygia* Latr.

9. *S. colchica* HS.

10. *S. ledereri* Stgr.

Cins: *Paropta* Stgr.

11. *P. paradoxus* HS.

Cins: *Phragmataecia* Newman

12. *P. territa* Stgr.

Cins: *Zeuzera* Latr.

13. *Z. pyrina* L.

Syn.: *Z. aesculi* L.

14. *Z. regia* Stgr.

Üst Familya : Psychoidea

Familya: Cochliidiidae

Cins: *Cochlidion* Hb.

15. *C. limacodes* Hufn.

Cins: *Parasa* Moore

16. *P. inexpestata* Stgr.

Familya: Psychidae

Alt Fam.: *Epichnopteryginae*

Cins: *Epichnopterix* (Hb.) Hein.

17. *E. flavociliella* Mn.

18. *E. pulla* Esp.

Alt Fam.: *Fumeinae*

Cins: *Fumea* (Hw.) Stph.

19. *F. casta* Pall.

Syn.: *Fumaria casta* Pall.

Fumea nitidella Hb.

F. intermediella Brd.

20. *F. reticulatella* Brd.

Alt Fam.: *Psychinae*

Cins: *Amicta* Heyl.

21. *A. febratta* Boyer

22. *Amicta febratta* ab. *albipunctella* Mill.

23. *A. lutea* Stgr.

Cins: *Apteron* Mill. (*Cochliotheca* Rbr.)

24. *A. crenulella* Brd.

Syn.: *A. helix* Sieb.

Psyche helix Sieb.

Cins: *Oreopsyche* Spr.

25. *O. plumifera* v. *mediterranea* Led.

Alt Fam.: *Talaeporiinae*

Cins: *Bankesia* Tutt.

26. *B. pallida* Stgr.

Cins: *Talaeporia* Hb.

27. *T. improvisella* Stgr.

28. *T. tubulosa* Retz.

Familya: *Zygaenidae*

(*Anthroceridae*)

Cins: *Procris* F. (*Ino* Leach.)

29. *Procris amasina* HS.
 30. *P. capitalis* Stgr.
 31. *P. chlorus* v. *chloronota* Stgr.
 32. *P. cognata* Rbr. (HS.)
 33. *P. manni* v. *crassicornis* Stgr.
 34. *P. manni* v. *heydenreichi* Ld.
 35. *P. notata* Z.
 36. *P. obscura* Z.
 37. *P. tenuicornis* Z.
 Cins: *Theresimima* (Theresia Spul.,
 Ino Leach., *Adscita* «Retz»
 Kirb., *Zygaena* F.)
 38. *T. ampelophaga* Bayle
 Cins: *Zygaena* F. (*Anthrocera* Sc.)
 39. *Z. achilleae* Esp.
 40. *Z. achilleae* v. *bitorquata* Men.
 41. *Z. achilleae* ab. *viciae* Hb.
 42. *Z. brizae* Esp.
 43. *Z. brizae* v. *corycia* Stgr.
 44. *Z. carniolica* Sc.
 45. *Z. carniolica* v. *amasina* Stgr.
 46. *Z. carniolica* ab. *diniensis* HS.
 47. *Z. carniolica* ab. *hedysari* Hb.
 48. *Z. carniolica* ab. *wiedemanni*
 Mén.
 49. *Z. carniolica* ab. *welleri* Stgr.
 50. *Z. dorycnii* O.
 51. *Z. dorycnii* ab. *senescense* Stgr.
 52. *Zygaena filipendulae* L.
 53. *Z. filipendulae* v. *ochsenheimeri*
 Z.
 54. *Z. formosa* HS.
 55. *Z. ganymedes* HS.
 56. *Z. graslini* Ld.
 57. *Z. laeta* Hb.
 58. *Z. laeta* ab. *mannerheimi*
 Chardiny
 59. *Z. ledereri* v. *laphria* HS.
 60. *Z. lonicerae* Scheven
 61. *Z. lydia* Stgr.
 62. *Z. meliloti* Esp.
 63. *Z. meliloti* ab. *nigra* Dziurz.
 64. *Z. olivieri* B.
 65. *Z. olivieri* v. *laetifica* HS.
 66. *Z. oxytropis cacuminum* Chr.
 67. *Z. punctum* O.
 68. *Z. punctum* v. *dystrepta* F.
 69. *Z. punctum* ab. *malatina* Stgr.
 70. *Z. purpuralis* Brünnich
 71. *Z. purpuralis* v. *diaphana* Stgr.
 72. *Z. sedi* F.
 73. *Z. stoechadis* v. *hadjina* Stgr.
 74. *Z. trifolii* Esp.
 75. *Z. trifolii* ab. *minoides* Selys.

Üst Familja: Pyralidoidea

- Familja: Thyrididae
 Cins: *Thyris* IU.
 76. *T. fenestrella* Sc.
 Grup: Pyralidina
 Familja: Crambidae
 Cins: *Ancylolomia* Hb.
 77. *A. contritella* Z.
 78. *A. palpella* Schiff.
 79. *A. tentaculella* Hb.
 Cins: *Chilo* Zk.
 80. *C. pulverosellus* Rag.
 Cins: *Crambus* F.
 81. *C. candiellus* HS.
 82. *C. ciliciellus* Rbl.
 83. *C. craterellus* (-a) v. *cassenti-*
niellus Z.
 Syn.: *Chrysocrambus cassentiniellus*
 HS
 84. *C. curmellus* (-a) L.
 85. *Crambus dimorphellus* Stgr.
 86. *C. falsellus* (-a) Schiff.
 87. *C. fascelinellus* Hb.
 88. *C. geniculeus* Hw.
 89. *C. insertellus* HS.
 90. *C. luteellus* Schiff.
 91. *C. matricellus* (-a) Tr.
 92. *C. monotaeniellus* HS.
 93. *C. orontellus* Rag.
 94. *C. paleatellus* Z.
 95. *C. pascuellus* L.
 96. *C. pinellus* L.
 97. *C. rostellus* Lah.
 98. *C. tersellus* Ld.
 Cins: *Diptychophora* Z.
 99. *D. euchromiella* Rag.
 100. *D. sinualis* Hmps.
 Cins: *Eromene* Hb. (*Euchromius* Gn.)
 101. *E. bella* Hb.

Familya: Galleriidae

- Cins: Achroea Hb.
102. *A. grisella* F.
Cins: Aphomia Hb.
103. *A. gularis* Zell.
Syn.: *Paralipa gularis* Zell.
104. *Aphomia sociella* L.
Cins: Coreyra Rag.
105. *C. cephalonica* Stt.
Cins: Galleria F.
106. *G. mellonella* L.
Syn.: *Tinea cerelia* F.
Cins: Mellissoblyptes Z.
107. *M. unicolor* Stgr.

Familya: Phycitidae

Alt Fam.: A nerastimae

- Cins: Epidauria Rag.
108. *E. discella* Rag.
109. *E. phoeniciella* Rag.
110. *E. strigosa* Stgr.
111. *E. transversariella* Z.
Cins: Heosphora Meyr.
112. *H. ramulosella* Rag.
Cins: Hypsotropa Z.
113. *H. paucipunctella* Rag.
Cins: Polyocha Z.
114. *P. cremoricosta* Rag.

Alt Fam.: Phycitinae

- Cins: Acrobasis Z.
115. *A. bithynella* Z.
116. *A. celticola* Stgr.
117. *A. fallouella* Rag.
118. *A. obtusella* Hb.
119. *A. tumidana* Schiff.
Cins: Adelsemia Rag.
120. *A. crepusculella* Ld.
121. *A. incredibilis* Stgr.
Cins: Alopia Rag.
122. *A. combustella* HS.
Cins: Anagasta (Ephestia Gn.)
123. *A. kühniella* Z.
Syn.: *Ephestia ceratonive* Th.
E. fuscifasciella Rag.
E. kühniella Z.
E. sericarium Sct.
Cins: Ancylosis Z.
124. *A. cephella* Rag.
125. *A. cinnamomella* Dup.

126. *Anagasta maculifera* Stgr.

127. *A. signosella* Rag.
Cins: Arsissa Rag.
128. *A. ramosella* HS.
Cins: Asarta Z.
129. *A. ciliciella* Stgr.
Cins: Bradyrrhoa Z.
130. *B. confiniella* Z.
131. *B. gilveolella* Tr.
132. *B. seniella* Stgr.
133. *B. trapezella* Dup.
Cins: Brephia Hein
134. *B. compositella* Tr.
Cins: Cadra (Ephestia Gn.)
135. *C. cautella* Wlk.
136. *C. figulilella* Greg.
Cins: Catastia Hb.
137. *C. marginea* v. *auriciella* Hb.
Cins: Christophia Rag. (*Bazaria* Rag.)
138. *C. leucochrella* HS.
Cins: Cryptoblabes Z.
139. *C. gnidiella* Mill.
Cins: Dioryctria Z.
140. *D. mendacella* Stgr.
141. *D. pineae* Stgr.
Cins: Ephestia Gn.
142. *E. bacillella* Rag.
143. *E. calidella* Gn.
144. *E. coarctella* Rag.
145. *E. elutella* Hb.
146. *E. inductella* Stgr.
147. *E. reductella* Mn.
148. *E. unicolorella* Stgr.
149. *E. vapidella* Mn.
150. *E. zosteriella* Rag.
Cins: Epischidia Rag.
151. *E. albunculella* Stgr.
Cins: Epischnia (Hb.) Z.
152. *E. cretaciella* Mn.
153. *E. muscidella* Rag.
154. *E. prodromella* Hb.
Cins: Etiella Z.
155. *E. zinckenella* Tr.
Cins: Eucarphia Hb. (*Synoria* Rag.)
156. *E. antiquella* HS.
Cins: Euzophera Z.
157. *E. bigella* Z.
158. *E. imperfectella* Rag.

- Cins: *Heterographis* Rag.
 159. *H. pyrethrella* HS.
 160. *H. rhodochrella* HS.
- Cins: *Homoeosoma* Curt.
 161. *H. binaevella* v. *unitella* Stgr.
 162. *H. inquinatella* Rag.
 163. *H. nebulella* Hb.
 164. *H. nigrilimbella* Rag.
 165. *H. subalbatella* Mn.
- Cins: *Hyporatasia* Rag.
 166. *H. allotricella* HS.
- Cins: *Hypochoalcia* Hb.
 167. *H. ahenella* (S.V.) Hb.
 168. *H. decorella* Hb.
 169. *H. fasciatella* Stgr.
- Cins: *Megasis* Gn.
 170. *M. mimeticella* Stgr.
 171. *M. rippertella* Z.
- Cins: *Myeloidis* Hb.
 172. *M. ceratoniae* Z.
 173. *M. cribrumella* Stah.
- Syn.: *M. cribrella* Hb.
 174. *M. fuscicostella* Mn.
 175. *M. incompta* Z.
 176. *M. luticornella* Rag.
 177. *M. nigribasella* Rag.
 178. *M. tabidella* Mn.
- Cins: *Nephopteryx* (Hb.) Z.
 179. *N. fallax* Stgr.
 180. *N. gregella* Ev.
 181. *N. rhenella* Zek.
- Cins: *Pempelia* Hb.
 182. *P. diffusa* Stgr.
 183. *P. ornatella* Schiff.
- Cins: *Phycita* (Curt.) Rag.
 184. *P. meliella* Mn.
 185. *P. pedisignella* Rag.
 186. *Phycita* sp.
 187. *P. strigata* Stgr.
- Cins: *Plodia* Gn.
 188. *P. interpunctella* Hb.
- Cins: *Pristophora* Rag.
 189. *P. exasperata* Stgr.
- Cins: *Proceratia* Hmps.
 190. *P. caesariella* Rag.
- Cins: *Psorosa* Z.
 191. *P. albunculella* Rag.
 192. *P. dahliaella* Tr.
193. *Psorosa nucleolella* Moeschl.
 194. *P. ochrifasciella* Rag.
- Cins: *Pterothrix* Rag.
 195. *P. contectella* Z.
 196. *P. fimbriatella* Z.
 197. *P. orientella* Rag.
 198. *P. rufella* Dup.
 199. *P. tauricella* Wck.
- Cins: *Rhodophaea* Gn.
 200. *R. advenella* Zek.
 201. *R. dulcella* Z.
 202. *R. marmorea* v. *lugens* Stgr.
 203. *R. monogrammos* Z.
 204. *R. rosella* Sc.
 205. *R. suavella* Zek.
- Cins: *Salebria* Z.
 206. *S. albariella* Z.
 207. *S. albariella* v. *dilucida* Stgr.
 208. *S. albistrigata* Stgr.
 209. *S. cingillella* Z.
 210. *S. cingillella* v. *brucella* Stgr.
 211. *S. epischniella* Stgr.
 212. *S. formosa* Hw.
 213. *S. komaroffi* Rag.
 214. *S. lepidella* Rag.
 215. *S. noctivaga* Stgr.
 216. *S. sordida* Stgr.
- Cins: *Selagia* (Hb.) Z.
 217. *S. spadicella* Hb.
 218. *S. subochrella* HS.
- Cins: *Staudingeria* Rag.
 219. *S. morbosella* Stgr.
- Cins: *Zophodiodes* Rag.
 220. *Z. leucocostella* Rag.
- Familya: *Pterophoridae*
 (*Alucitidae*)
- Alt Fam.: *Agdistinae*
 Cins: *Agdistis* Hb.
 221. *A. tamaricis* Z.
- Alt Fam.: *Platyptilinae*
 Cins: *Oxyptilus* Z.
 222. *O. didactylus* (-a) L.
 223. *O. distans* Z.
 224. *O. distans* v. *laetus* Z.
 225. *O. kollari* Stt.
 226. *O. marginellus* Z.
 227. *O. parvidactylus* Hw.
- Cins: *Platyptilia* Hb.
 228. *P. capnodactyla* (-us) L.

229. *Platyptilia gonodactyla* Schiff.
 230. *P. rhododactyla* Schiff.
 Syn.: *Cnemidophorus rhododactyla* F.
Euenomidophorus -rhododactyla
 Schiff.
E. rhododactylus F.
 231. *P. zetterstedtii* Z.
 Cins: *Stenoptilia* Hb.
 232. *S. bipunctidactyla* (-us) Hw.
 233. *S. coprodactyla* (-us) Z.
 234. *S. manni* Z.
 235. *S. pterodactyla* (-us) L.
 Syn.: *S. fusca* Z.
 236. *S. zophodactyla* (-us) Dup.
 Cins: *Trichoptilus* Wlsglm.
 237. *T. siceliota* Z.
 Alt Fam.: *Pterophorinae*.
 Cins: *Alucita* (L.) Wlsglm.
 (*Aciptilia* Hb.)
 238. *A. baliodactyla* (us) Z.
 239. *A. baliodactyla* v. *meridionalis*
 Stgr.
 240. *A. ischnodactyla* Tr.
 241. *A. malacodactyla* (-us) Z.
 242. *A. pentadactyla* L.
 243. *A. pentadactyla* ab. *sulphurea*
 Stgr.
 244. *A. spilodactyla* (-us) v. *obsoleta*
 Z.
 245. *A. tetradactyla* L.
 246. *A. xanthodactyla* Tr.
 Cins: *Pterophorus* Geoffr. (*Alucita*
 Meyr.)
 247. *P. lithodactylus* Tr.
 248. *P. microdactylus* (-a) Hb.
 249. *P. monodactylus* (-a) Stgr.
 Familia: *Pyralididae*
 (*Pyralidae*)
 Alt Fam.: *Endotrichinae*
 Cins: *Endotricha* Z.
 250. *E. flammealis* Schiff.
 Alt Fam.: *Epipaschiinae*
 Cins: *Macalla* Wlk.
 251. *M. lophotalis* Hmps.
 Alt Fam.: *Pyralidinae*
 (*Pyralinae*)
 Cins: *Aglossa* Latr.
 252. *A. cuprealis* Hb.
 253. *A. pinguinalis* v. *asiatica* Ersch.
 Cins: *Actenia* Gn.
 254. *A. brunnealis* Tr.
 255. *A. honestalis* Tr.
 Cins: *Bostra* Wlk.
 256. *B. caesarealis* Rag.
 Cins: *Cledeobla* Stph.
 257. *C. consecratalis* Ld.
 258. *C. isthmicalis* Ld.
 259. *C. moldavica* Esp.
 260. *C. uxorialis* Ld.
 Cins: *Constantia* Rag.
 261. *C. colchicalis* HS.
 Cins: *Herculia* Wlk.
 262. *H. fulvociliialis* Dup.
 263. *H. incarnatalis* Z.
 264. *H. rubidalis* Schiff.
 Cins: *Hypotia* Z.
 265. *H. corticalis* Schiff.
 Cins: *Pyralis* L. (*Asopia* Tr.)
 266. *P. farinalis* L.
 267. *P. regalis* Schiff.
 Cins: *Stemmathophora* Gn.
 268. *S. combustalis* F.R.
 Cins: *Tretopteryx* Rag.
 269. *T. pertusalis* Hb.
 Familia: *Pyraustidae*.
 Alt Fam.: *Nymphulinae*
 (*Hydrocampinae*)
 Cins: *Eurrhypara* Hb.
 270. *E. urticata* L.
 Cins: *Nymphula* Schrk. (*Hydrocampa*
 Gn., *paraponyx* Hb.)
 271. *N. stagnata* Don.
 Cins: *Psammotis* Hb.
 272. *P. hyalinalis* Hb.
 273. *P. pulveralis* v. *grisealis* Stgr.
 Cins: *Stenia* Gn. (*Amaurophanes* Ld.)
 274. *S. ferralis* Hmps.
 275. *S. punctalis* Schiff.
 276. *S. stigmosalis* HS.
 Alt Fam.: *Pyraustinae*
 Cins: *Antigastra*
 277. *A. catalaunalis* Dup.
 Cins: *Cybolomia* Ld.
 278. *C. dulcinalis* Tr.
 Cins: *Cynaeda* Hb. (*Odontia* Dup.)
 279. *C. dentalis* Schiff.
 280. *C. dentalis* v. *gigantea* Wlk.

- Cins: *Euclasta* Ld.
 281. *E. splendidalis* HS.
- Cins: *Evergestis* Hb. (*Evergestis* Hb.,
Orobena Gn.)
 282. *E. aenealis* Schiff.
 283. *E. caestialis* HS.
 284. *E. extimalis* Scop.
- Syn.: *E. margaritalis* Schiff.
 285. *E. frumentalis* L.
 286. *E. infirmalis* Stgr.
 287. *E. politalis* Schiff.
 288. *E. subfuscalis* Stgr.
 289. *E. umbrosalis* F.
- Cins: *Heliothela* Gn.
 290. *H. atralis* Hb.
- Cins: *Hellula* Gn.
 291. *H. undalis* F.
- Cins: *Glyphodes* Gn. (*Margaronia* Hb.,
Diaphania Hb., *Phakellura* Guild.)
 292. *G. unionalis* Hb.
- Cins: *Loxostege* Hb. (*Phlyctaenodes*
 Hb., *Eurycreon* Ld.)
 293. *L. clathralis* Hb.
 294. *L. cruentalis* Hb.
 295. *L. mucosalis* HS.
 296. *L. nudalis* Hb.
 297. *L. palealis* Schiff.
 298. *L. pustulalis* Hb.
 299. *L. sticticalis* L.
 300. *L. straminealis* Hmps.
 301. *L. sulphuralis* Hb.
 302. *L. verticalis* L.
 303. *L. verticalis* v. *nigriciliaris* Rag.
- Cins: *Mecyna* Gn.
 304. *M. polygonalis* v. *gilvata* F.
- Cins: *Metasia* Gn.
 305. *M. mendicalis* Stgr.
 306. *M. octogenalis* Ld.
 307. *M. ophialis* Tr.
 308. *M. ossealis* Stgr.
 309. *M. rosealis* Rag.
 310. *M. supbandalis* Hb.
- Cins: *Noctuella* Gn. (*Aporodes* Gn.)
 311. *N. desertalis* Hb.
 312. *N. ascherichi* Hofm.
 313. *N. floralis* Hb.
 314. *N. superba* Frr.
- Syn.: *Noctuella melaxantha* Koll.
 315. *N. vespertalis* HS.
- Cins: *Nomophila* Hb.
 316. *N. noctuella* Schiff.
- Syn.: *N. hybridalis* Hb.
Stnopteryx hybridalis Duck.
- Cins: *Pionea* Gn. (*Phlyctaenia* Hb.,
Udea Gn.)
 317. *P. albescens* Hmps.
 318. *P. ferrugalis* Hb.
 319. *P. forficalis* L.
 320. *P. fulvalis* Hb.
 321. *P. languidalis* Ev.
 322. *P. verbascalis* Schiff.
 323. *P. vestalis* Hmps.
- Cins: *Pyrausta* Schrk. (*Botys* Tr.)
 324. *P. aerealis* v. *ablutalis* Ev.
 325. *P. alborivulalis* Ev.
 326. *P. amasialis* Stgr.
 327. *P. aurata* Sc.
 328. *P. castalis* Tr.
 329. *P. cespitalis* Schiff.
 330. *P. cingulata* L.
 331. *P. cuprinalis* Rag.
 332. *P. diffusalis* Gn.
 333. *P. falcatalis* Gn.
 334. *P. flavalis* Schiff.
 335. *P. fuscalis* Schiff.
 336. *P. gutturalis* Stgr.
 337. *P. limbopunctalis* v. *dissolutalis*
 Stgr.
 338. *P. nigrata* Sc.
 339. *P. nubilalis* Hb.
- Syn.: *Botys lupunilalis* Hb.,
Ostrinia nubilalis Hb.,
Pyrausta lupulina Ck.,
P. silacealis Hb.,
Spilades rodzukalis Hell.
 340. *P. obfusca* Sc.
 341. *P. pachyceralis* Hmps.
 342. *P. pauperalis* Stgr.
 343. *P. praepetalis* Ld.
 344. *P. purpuralis* L.
 345. *P. respandalis* Schiff.
 346. *P. sambucalis* Schiff.
 347. *P. sanguinalis* L.
 348. *P. subsequalis* HS.
 349. *P. trimaculalis* Stgr.

350. *Prausta trinalis* v. *marcidalis*
Fuchs.
351. *P. trinalis* v. *andalusica* Stgr.
352. *P. trinalis* v. *pontica* Stgr.
353. *P. trinalis* v. *tripunctalis* Obth.
Cins: *Sylepta* Hb. (*Syllepta* Hb.)
354. *S. ruralis* Sc.
Cins: *Tegostoma* Z. (*Emprepes* Ld.)
355. *T. disparalis* HS.
356. *T. lepidalis* HS.
357. *T. monocerialis* Rag.
Cins: *Titanio* Hb.
358. *T. multiguttalis* Stgr.
359. *T. normalis* Hb.
360. *T. normalis* v. *ancyrensis* Hofm.

361. *Titanio pollinalis* Schiff.
362. *T. venustalis* Ld.
Cins: *Zinckenia* Z.
363. *Z. fascialis* Cr.
Syn.: *Hymenia fascialis* Gram.
H. recurvalis F.
Alt Fam.: *Scopariinae*
Cins: *Scoparia* Hw.
364. *S. angustea* Stph.
365. *S. crataegella* Hb.
366. *S. dubitalis* Hb.
367. *S. frequentella* Stt.
368. *S. obsoleta* Stgr.
369. *S. ochrealis* Schiff.

Ust Familia: *Tinaeidae*

- Familia: *Aegeriidea* (*Sesiidae*)
Cins: *Aegeria* F. (*Trochilium* Scop.)
370. *A. apiformis* Cl.
Cins: *Chamaesphacia* Spul. (*Sesia* F.)
371. *C. affinis* Stgr.
372. *C. alyssoniformis* HS.
373. *C. anellata* Z.
374. *C. anellata* v. *ceriiformis* Ld.
375. *C. astatifomis* HS.
376. *C. bibioniformis* Esp.
377. *C. chalcidiformis* Hb.
378. *C. chalcidiformis* ab. *albotarsata*
(Stgr.)
379. *C. chalcidiformis* v.
schmidtiformis Frr.
380. *C. colpiformis* Stgr.
381. *C. empiformis* Esp.
382. *C. fenusiformis* Ld.
383. *C. leucomelaena* Z.
384. *C. manni* Ld.
385. *C. masariformis* O.
386. *C. minianiformis* Frr.
387. *C. minianiformis* v. *destituta*
Stgr.
388. *C. minianiformis* ab.
pepsiformis Ld.
389. *C. stelidiformis* Frr.
390. *C. triannuliformis* Frr.
Cins: *Dipsosphacia* Püng.

391. *Dipsosphacia aurantiaca* Rbl.
392. *D. scopigera* Scopoli
Syn.: *D. ichneumoniformis* Schiff and
Den. (etc.)
393. *D. uroceriformis* Tr.
Cins: *Paranthrene* Hb.
394. *P. myrmosiformis* HS.
395. *P. (Sciapteron) tabaniformis*
Rott.
396. *P. tabaniformis* v. *rhingiaefor-*
mis Hb.
397. *P. tineiformis* v. *brosiformis*
Hb.
Cins: *Sciapteron* Stgr.
398. *S. fervida* v. *ponticum* Stgr.
399. *S. fervida* v. *subfervidum* Stgr.
400. *S. gruneri* Stgr.
401. *S. splendidum* Stgr.
402. *S. tabaniforme* Rott.
403. *S. stiziformis* HS.
404. *S. tengyraeformis* HS.
Cins: *Sesia* F.
405. *S. annellata* v. *ceriaeformis* Ld.
406. *S. elampiformis* HS.
407. *S. haberhaueri* Stgr.
408. *S. loewii* Z.
409. *S. palariiformis* Ld.
410. *S. pipiziformis* Ld.
411. *S. proximata* Stgr.
Cins: *Synanthedon* Hb. (*Trochilium*
Scop. *Sesia* F.)
412. *S. andrenaeformis* Lasp.
413. *S. cephiiformis* O.

414. *Scliapteron myopiformis* Borkh.
Syn.: *Aegeria myopiformis* Borkh.
A. myopaeformis Borkh.
Canopia myopaeformis Borkh.
Synanthedon mutillaeformis
Lasp.
S. myopaeformis Borkh.
415. *S. pimphaeformis* Obth.
416. *S. stomoxyformis* Hb.
417. *S. stomoxyformis* v. *amasina*
Stgr.
418. *S. vespiformis* L.
- Familya: *Orneodidae*
Cins: *Orneodes* Latr. (*Alucita* Z.)
419. *O. grammodactyla* Z.
420. *O. hexadactyla* L.
421. *O. palodactyla* Z.
422. *O. zonodactyla* Z.
- Grup: *Tinaeina*
- Familya: *Cosmopterygidae*
(*Momphidae*, *Lavernidae*)
Cins: *Blastodaena* Wck.
423. *Blastodaena* sp.
Cins: *Chrysoclista* Stt.
424. *C. linneella* Cl.
Cins: *Cosmopteryx* Hb.
425. *C. eximia* Hw.
426. *C. scribaiella* Z.
Cins: *Mompha* Hb. (*Laverna* Curt.)
427. *M. subbistrigella* Hw.
Cins: *Pancalia* Stph.
428. *P. leuwenhoekella* L.
429. *P. leuwenhoekella* v. *latreillella*
Curt.
Cins: *Stigmatophora* HS.
430. *S. albiapicella* HS.
431. *S. fulguritella* Rag.
432. *S. pomposella* Z.
433. *S. serratella* Tr.
Cins: *Tebenna* HS.
434. *T. miscella* Schiff.
Syn.: *Mompha miscella* Schiff.
- Familya: *Coleophoridae*
(*Eupistidae*)
Cins: *Coleophora* Hb. (*Eupista* Hb.)
435. *C. albicostella* Dup.
436. *C. albigipennella* Stgr.
437. *C. alcyonipennella* Koll.
Syn.: *Eupista aereipennis* Wck.
- Eupista deauratella* Z.
438. *Coleophora amasiella* Stt.
439. *C. amethystinella* Rag.
440. *C. astragalella* Z.
441. *C. ballotella* F.R.
442. *C. basimaculella* Mn.
443. *C. bivittella* Stgr.
444. *C. breviuscula* Stgr.
445. *C. caelebipennella* Z.
446. *C. confusa* Stgr.
447. *C. conyzae* Z.
448. *C. craccella* Valet
449. *C. cuprariella* Z.
450. *C. currucipennella* Z.
- Syn.: *Eupista tristrigella* Hein.
and Wck.
451. *C. deauratella* Z.
452. *C. diffinis* Stgr.
453. *C. echinella* Stgr.
454. *C. flavipennella* HS.
455. *C. fretella* Z.
456. *C. fringillella* Z.
457. *C. frischella* L.
458. *C. fuscociliella* Z.
459. *C. gallipennella* Hb.
460. *C. granuloseella* Stgr.
461. *C. hieronella* Z.
462. *C. leucapennella* Hb.
463. *C. limosipennella* Dup.
464. *C. lixella* Z.
465. *C. luteolella* Stgr.
456. *C. lutipennella* Z.
467. *C. milvipennis* Z.
468. *C. miserella* Stgr.
469. *C. necessaria* Stgr.
470. *C. nigricella* Stph.
- Syn.: *Astyages nigricella* Stph.
Eupista coracipennella Stph.
Porrectaria corracipenneis
Haworth
471. *C. occatella* Stgr.
472. *C. onobrychiella* Z.
473. *C. ornatipennella* Hb.
474. *C. phlomidis* Stt.
475. *C. pyrrhulipennella* Z.
476. *C. setipalpella* Stgr.
477. *C. similis* Stgr.
478. *C. spissicornis* Hw.
- Syn.: *Eupista fabriciella* Vil.
E. mayerella Z.

- Eupista trochilipennella* Costa
479. *Coleophora tauricella* Stgr.
 480. *C. tristella* Stgr.
 481. *C. vulnerariae* Z.
 482. *C. woockeella* Z.
 Cins: *Parametriotes* Kouzn.
 483. *P. theae* Kouzn.
- Familya: *Elachistidae*
 Cins: *Elachista* Tr.
 484. *E. argentella* Cl.
 485. *E. atrisquamosa* Stgr.
 486. *E. cerusella* Hb.
 487. *E. chionella* Mn.
 488. *E. cingillella* HS.
 489. *E. chrysodesmella* Z.
 490. *E. collitella* Dup.
 491. *E. contaminatella* Z.
 492. *E. deceptricula* Stgr.
 493. *E. disertella* HS.
 494. *E. festucicolella* Z.
 495. *E. griseella* Z.
 496. *E. griseella* Z.
 497. *E. pollinariella* Z.
 498. *E. pollutella* HS.
 499. *E. pollutissima* Stgr.
 500. *E. revinctella* Z.
 501. *E. rudectella* Stt.
 502. *E. rufocinerea* Hw.
 503. *E. zonariella* Tgstr.
 Cins: *Stephensia* Stt.
 504. *S. brunnichiella* L.
- Familya: *Gelechiidae*
 Alt Fam.: *Blastobasinae*
 Cins: *Blastobasis* Z.
 505. *B. phycidella* Z.
 Cins: *Hypatima* (Hb.) HS.
 506. *H. inunctella* Z.
- Alt Fam.: *Chimabacchinae*
 Cins: *Chimabacche* (Hb.) Z.
 507. *C. fagella* (S.V.) Z.
- Alt Fam.: *Gelechiinae*
 Cins: *Acompsia* Hb. (*Brachycrossata* Hein)
 508. *A. cinerella* Cl.
 Cins: *Anacampsis* (Curt) Hein.
 (*Aproaerema* Durr.)
 509. *A. anthyllidella* Hb.
 510. *A. biguttella* HS.
 511. *A. coronillella* Tr.
 512. *A. lamprostoma* Z., HS.
513. *Anacampsis patruella* Mn.
 514. *A. remissella* Z.
 515. *A. splendens* Stgr.
 516. *A. taeniolella* Z.
 517. *A. vorticella* Sc.
 Cins: *Anarsia* Z.
 518. *A. lineatella* Z.
 519. *A. spartiella* Schrk.
 Cins: *Apatetris* Stgr.
 510. *A. mirabella* Stgr.
 Cins: *Apodia* Hein
 521. *A. bifractella* Dgl.
 Cins: *Argyritis* Hein
 522. *A. pictella* Z.
 523. *A. superbella* Z.
 Cins: *Aristotelia* Hb. (*Ergatis* Hein.)
 524. *A. decoratella* Stgr.
 525. *A. decurtella* Hb.
 526. *A. pancaliella* Stgr.
 527. *A. subericinella* HS.
 Cins: *Bryotropha* Hein
 528. *B. dryadella* Z.
 529. *B. indignella* Stgr.
 530. *B. terrella* (S.V.) Hb.
 Cins: *Chrysopora* Clem. (*Nannodia* Hein.)
 531. *C. hermannella* F.
 532. *C. stipella* Hb.
 Cins: *Colopteryx* Hofm.
 533. *C. conchylidella* Hofm.
 Cins: *Epithectis* Meyr. (*Brachmia* Hein.)
 534. *E. nigricostella* Dup.
 Cins: *Euteles* Hein.
 535. *E. kollarella* Cost.
 536. *E. ratella* HS.
 Cins: *Gelechia* (Hb.) Z.
 537. *G. astragali* Stgr.
 538. *G. ericetella* Hb.
 538. *G. ericetella* Hb.
 539. *G. malvella* Hb.
 540. *G. plutelliformis* Stgr.
 541. *G. scalella* Sc.
 542. *G. solutella* Z.
 543. *G. spurcella* HS.
 544. *G. terebinthinella* HS.
 545. *G. vepretella* Z.
 Syn: *Epithectis vepretella* Z.
 546. *G. virgella* Thnbg.
 Cins: *Harpagidia* Rag.

547. *Harpagidia pallidibasella* Rag.
Cins: *Hypsolophus* Z. (*Ypsolophus*
(F) Z.,)
548. *H. barbellus* Z.
549. *H. fasciellus* (-a) Hb
550. *H. juniperellus* L.
551. *H. limosellus* Schlag.
Cins: Lita Tr.
552. *L. acuminatella* Sircom
553. *L. atriplicella* F.R.
Syn.: *Phthorimaea atriplicella* F.R.
Scrobipalpa atriplicella F.R.
554. *L. ocellatella* Boyd.
Syn.: *Gnorimoschema ocellatella*
Boyd.
Phthorimaea horticolella Rost.
P. ocellatella Boyd.
Scrobipalpa ocellatella Boyd.
Cins: *Megacraspedus* Z.
555. *M. imparellus* F.R.
556. *M. separatellus* F.R.
Cins: *Mesophleps* (Hb.) HS.
557. *M. pudicellus* Mn.
558. *M. silacellus* Hb.
Cins: *Metzneria* Z. (*Parasia* Dug.)
559. *M. agraphella* Rag.
560. *M. aprilella* HS.
561. *M. paucipunctella* Z.
562. *M. torridella* Mn.
Cins: *Nothris* Hb.
563. *N. sabinella* Z.
564. *N. senticetella* Stgr.
565. *N. sulcella* Stgr.
566. *N. verbascella* Hb.
Cins: *Oegoconia* Stt.
567. *O. quadripunctata* Hw.
Cins: *Paltodora* Meyr. (*Cleodora*
Curt., Hein.)
568. *P. anthemidella* Wck.
569. *P. kefersteiniella* Z.
570. *P. lineatella* Z.
571. *P. striatella* (S.V.) Hb.
Cins: *Phthorimaea* Meyr. (*Gnorimos-*
chema Busck)
572. *P. heliopa* Low.
Syn.: *Scrobipalpa heliopa* Low.
573. *P. operculella* Z.
Syn.: *P. solanella* Boisd.
P. tabacella Rag.
- Cins: *Platyedra* Meyr. (*Pectinophora*
Busck)
574. *P. gossypiella* Saund.
Syn.: *Gelechia gossypiella* Saund.
575. *P. vilella* F.
Cins: *Pogochaetia* Stgr.
576. *P. solitaria* Stgr.
Cins: *Pterolonche* Z.
577. *P. albescens* Z.; HS.
578. *P. inspersa* Stgr.
Cins: *Ptocheuusa* Hein.
579. *P. campicolella* Mn.
580. *P. paupella* Z.
Cins: *Recurvaria* (Hw.) HS.
(*Aphanaula* Meyr.)
581. *R. leucatella* Cl.
582. *R. nanella* Hb.
Syn.: *R. crataegella* Busck
Cins: *Sitotroga* Hein
583. *S. cerealella* Oliv.
Cins: *Stomopteryx* Hein.
584. *S. deterrentella* Z.
Cins: *Sophronia* Hb.
585. *S. consanguinella* HS.
586. *S. humerella* Schiff.
587. *S. illustrella* Hb.
Cins: *Tachyptilia* Hein.
588. *T. populella* Cl.
589. *T. scintillella* F.R.
590. *T. subsequella* Hb.
Cins: *Telela* Hein.
591. *T. brucinella* Mn.
592. *T. comedonella* Stgr.
593. *T. humeralis* Z.
594. *T. maculata* Stgr.
595. *T. melanostictella* Rag.
596. *T. marsinella* Stgr.
597. *T. scriptella* Hb.
598. *T. triparella* Z.
599. *T. vulgella* Hw.
Cins: *Xystophora* Hein. (*Doryphora*
Hein.)
600. *X. carchariella* Z.
601. *X. lutulentella* Z.
602. *X. ? parvula* Stgr.
603. *X. punctatella* Stgr.
604. *X. servella* Z.
605. *X. striatopuncella* Rbl.

Familya: *Glyphipterygidae*
Alt Fam.: *Anthophilinae*
(*Choreutinae*)

;Cins: *Anthophila* Hw. (*Siraethis*
Leach.)

606. *A. fabriciana* L.

607. *A. nemorana* Hb.

Syn.: *Hemerophila nemorana* Hb.

608. *A. pariana* Cl.

Syn.: *A. parialis* Tr.

Cins: *Choreutis* Hb.

609. *C. myllerana* v. *stellaris* Z.

Cins: *Miliera* Rag. (*Ripismia* Wck.)

610. *M. dolosana* HS.

Alt Fam.: *Douglasiinae*

Cins: *Douglasia* Stt.

611. *D. columbella* Stgr.

612. *D. minutissima* Stgr.

613. *D. ocnestomella* Stt.

Alt Fam.: *Glyphipteryginae*

Cins: *Glyphipteryx* Hb.

614. *G. fischeriella* Z.

615. *G. thrasonella* Sc.

Familya: *Gracilariidae*
(*Lithocolletidae*)

Alt Fam.: *Gracilariinae*

Cins: *Aspilapteryx* Spul.

616. *A. limosella* Z.

617. *A. tringipennella* Z.

Cins: *Coriscium* Z.

618. *C. brongniardellum* (-a) F.

619. *C. cuculipennellum* Hb.

620. *C. sulphurellum* Hw.

Cins: *Euspilapteryx* Zell.

621. *E. hofmanniella* Schleick.

622. *E. imperialella* Mn.

623. *E. ononidis* Z.

Cins: *Eutrichocnemis*

624. *E. scalariella* Z.

Cins: *Gracilaria* (Hw.) Z. (*Caloptilia*
Hb., *Gracillaria* Hw.)

625. *G. alchimiella* Scop.

;Syn.: *G. swederella* Thunb.

626. *G. braccatella* Stgr.

627. *G. elongella* L.

628. *G. onustella* Hb.

Syn.: *G. fidella* Reutt.

629. *G. pallescens* Stgr.

630. *G. rhodinella* HS.

631. *G. roscipennella* Hb.

Syn.: *Gracilaria juglandella* Mann.

632. *G. scalariella* Z.

633. *G. syringella* F.

Syn.: *G. anastomosis* Hw.

Xanthospilapteryx syringella F.

Cins: *Micrurapteryx*

634. *M. kollariella* Z.

Cins: *Ornix* (Tr.) Z.

635. *O. anguliferella* Z.

636. *O. avellana* Stt.

637. *O. fluitimella* Z.

638. *O. guttea* Hw.

639. *O. torquilella* Z.

Cins: *Xanthospilapteryx* Spul.

640. *X. auroguttella* Stph.

641. *X. quadrisignella* Z.

642. *X. syringella* F.

Alt Fam.: *Lithocolletinae*

Cins: *Lithocolletis* (Hb.) Z.

643. *L. abrasella* Z.

644. *L. belotella* Stgr.

645. *L. blancardella* F.

Syn.: *L. pomifoliella* Z.

646. *L. carpinicolella* Stt.

647. *L. cerasicolella* HS.

Syn.: *L. domesticella* Sorh.,

L. mahalebella Mühl.,

L. padella Glitz.,

L. persicella Steud.

648. *L. corylifoliella* Hw.

Syn.: *L. betulae* Z.

Phyllonorycter corylifoliella
Hw.

649. *L. cramerella* F.

650. *L. deleta* Stgr.

651. *L. emberizaepennella* Bouche

652. *L. endryella* Mn.

653. *L. helianthemella* HS.

654. *L. hortella* F.

655. *L. klemannella* F.

656. *L. messaniella* Z.

657. *L. millierella* Stgr.

658. *L. platani* Stgr.

659. *L. quercifoliella* Z.

660. *L. roboris* Z.

661. *L. schreberella* F.

662. *L. sylvella* Hw.

Alt Fam.: *Oecophyllembiinae*

Cins: *Parectopa* Clem. (*Oecophyl-*
lembius Silv.)

663. *P. latifoliella* Mill.

- ;Syn.: *Oecophyllembius latifoliellus* Mill.
O. neglectus Silv.
 Alt Fam.: *Phyllocnistinae*
 Cins: *Phyllocnistis* Z.
 664. *P. saligna* Z.
 665. *P. suffusella* Z.
 Familia: *Hypnometridae*
 (*Yponomeutidae*)
 Alt Fam.: *Acrolepiinae*
 Cins: *Acrolepia* Curt.
 666. *A. assectella* Z.
 Syn.: *A. betulella* Curt.
 Alt Fam.: *Argyresthiinae*
 Cins: *Argyresthia* Hb.
 667. *A. abdominalis* Z.
 668. *A. conjugella* Z.
 669. *A. ephippella* F.
 Syn.: *A. pruniella* L.
A. tetrapodella Stph.
 670. *A. mendica* Hw.
 671. *A. pretiosa* Stgr.
 Alt Fam.: *Hofmanniinae*
 Cins: *Hofmannia* Hein - Wck.
 672. *H. impura* Stgr.
 Cins: *Zelleria* Stt.
 673. *Z. hepariella* Stt.
 Alt Fam.: *Hypnometrinae*
 (*Yponomeutinae*)
 Cins: *Atemelia* HS.
 674. *A. torquatella* Z.
 Cins: *Hyponomeuta* (Sodos.) Z.
 (*Yponomeuta* Latr.)
 675. *H. cognatellus* (-a) Hb.
 Syn.: *H. diffjuellus* Hein.
H. evonymella Scop.
 676. *H. irrorellus* (-a) Hb.
 677. *H. mahalebella* (-a) Guen.
 678. *H. malinellus* (-a) Z.
 679. *H. padellus* (-a) L.
 Syn.: *H. variabilis* Z.
 680. *H. plumbellus* (-a) Schiff.
 Syn.: *H. nigrifimbriatus* Christoph.
 681. *H. rorellus* (-a) Hb.
 Syn.: *H. helicella* Frey.
 Cins: *Praradoxus* Stt. (*Paradoxus* Stt.)
 682. *P. osyridellus* Stt.
 Cins: *Prays* Hb.
 683. *P. citri* Mill.
 Syn.: *Prays nephelomina* Meyr.
 684. *P. oleae* Bern.
 Syn.: *P. adpersella* Kaltenbach,
P. oleaellus F.,
P. oleaellus Navarro,
P. olivella Costa,
P. servilliella Costa
 Alt Fam.: *Plutellinae*
 Cins: *Cerostoma* Latr.
 685. *C. albiramellum* (-a) Mn.
 686. *C. asperellum* (-a) L.
 Syn.: *Ypsolophus asperellus* L.
 687. *C. excisella* Ld.
 688. *C. instabilellum* (-a) Mn.
 689. *C. manniella* Stgr.
 690. *C. persicellum* (-a) F.
 Syn.: *Ypsolophus persicellus* F.
 691. *C. radiatellum* (-a) Don.
 692. *C. sculpturellum* (-a) HS.
 693. *C. semitessellum* (-a) Mn.
 694. *C. sequellum* (-a) Cl.
 695. *C. trichonellum* (-a) Mn.
 696. *C. vittellum* (-a) L.
 Cins: *Eidophasia* Stph.
 697. *E. messingiella* F.R.
 698. *E. messingiella v. infuscata* Stgr.
 699. *E. tauricella* Stgr.
 Cins: *Plutella* Schrk.
 700. *P. maculipennis* Curt.
 Syn.: *P. cruciferarum* Z.
P. xylostella Schrk.
 701. *P. porrectella* L.
 Cins: *Theristis* Hb.
 702. *T. mucronella* Sc.
 Familia: *Lyonetiidae*
 Alt Fam.: *Leucopterininae*
 (*Comiostominae*)
 Cins: *Leucoptera* (Hb.) Meyr
 (*Comiostoma* Z.)
 703. *L. scitella* Z.
 Alt Fam.: *Lyonetiinae*
 Cins: *Bucculatrix* Z.
 704. *B. basifuscella* Stgr.
 705. *B. boyerella* Dup.
 706. *B. infans* Stgr.
 707. *B. nigricomella* Z.
 707. *B. nigricomella* Z.
 708. *B. oppositella* Stgr.
 709. *B. ulmella* Z.

- Cins: *Lyonetia* Hb.
710. *L. clerkella* L.
Syn.: *L. aereella* Tr.
711. *L. prunifoliella* Hb.
Syn.: *L. albella* Evans,
L. padifoliella Hb.
- Familya: *Monopidae*
Cins: *Blabophanes* (Z.) HS.
712. *B. ferruginella* Hb.
713. *B. imella* Hb.
Cins: *Monopis* Hb.
714. *M. rusticella* Hb.
- Familya: *Oecophoridae*
Alt Fam.: *Depressariinae*
Cins: *Anchinia* Hb.
715. *A. grandis* Stt.
Cins: *Cacophya* Rbl. (*Cacochroa*
Hein.)
716. *C. permixtella* HS.
Cins: *Carcina* Hb.
717. *C. quercana* F.
Cins: *Depressaria* Hw.
718. *D. adpersella* Koll.
719. *D. atomella* (S.V.) Hb.
720. *D. capreolella* Z.
721. *D. chaerophylli* Z.
722. *D. comitella* Ld.
723. *D. cnicella* Tr.
724. *D. corticinella* Z.
725. *D. daucivorella* Rag.
726. *D. depressella* Hb.
727. *D. depressella* v. *amasiella*
Stgr.
728. *D. douglasella* Stt.
729. *D. flavella* Hb.
730. *D. flavella* v. *sparmanniana* F.
731. *D. hirtipalpis* Z.
732. *D. hofmanni* Stt.
733. *D. lutosella* HS.
734. *D. marcella* Rbl.
735. *D. nervosa* Hw.
Syn.: *D. daucella* D. et Schiff.
736. *D. pimpinellae* Z.
737. *D. purpurea* Hw.
738. *D. radiata* Stgr.
739. *D. rotundella* Dal.
740. *D. squamosa* Mn.
741. *D. subpropinquella* Stt.
742. *D. subpropinquella* v. *rhodochrella* HS.
743. *D. tenebricosa* Z.
744. *Depressaria thapsiella* Z.
745. *D. veneficella* Z., HS.
746. *D. venosulella* Möschl.
747. *D. zelleri* Stgr.
748. *D. zephyrella* Hb.
Cins: *Holoscolia* Z.
749. *H. forficella* Hb.
Cins: *Hypercallia* Stph.
750. *H. citrinalis* Sc.
Cins: *Lecithocera* HS.
751. *L. briantiella* Tur. (E.)
752. *L. flavissimella* Mn.
753. *L. luticornella* Z.
Cins: *Pleurota* Hb.
754. *P. amaniella* Mn.
755. *P. aristella* L.
756. *P. contristatella* Mn.
757. *P. ericella* Dup., HS.
758. *P. eximia* Ld.
759. *P. galaticella* Stgr.
760. *P. issicella* Stgr.
761. *P. metricella* Stgr.
762. *P. planella* Stgr.
763. *P. pyropella* Schiff.
764. *P. sublustrella* Mn.
765. *P. subpyropella* Stgr.
766. *P. tristictella* Rag.
Cins: *Protasis* Stph.
767. *P. punctella* Costa
Cins: *Psecadia* Hb.
768. *P. amasina* Stgr.
769. *P. aurifluella* Hb.
770. *P. (Ethmia) bipunctella* F.
771. *P. chrysophyga* HS.
772. *P. decemguttella* Hb.
773. *P. flaviauella* Tr.
774. *P. funerella* F.
775. *P. haemorrhoidella* Ev.
776. *P. (Ethmia) pusiella* Roemer
777. *P. quadrinotella* Mn.
778. *P. sexpunctella* Hb.
779. *P. treitschkeella* Stgr.
780. *P. tripunctella* Stgr.
Cins: *Rhinosia* Tr.
781. *R. denisella* (SV) F.
782. *R. flavella* Dup.
Syn.: *R. segetella* Z.
783. *R. formosella* Hb.
784. *R. sordidella* Hb.
Cins: *Symmoca* Hb.
785. *S. cedestiella* Z.

786. *Symmoca designatella* HS.
787. *S. pyrrhella* Rag.
788. *S. syriacella* Rag.
789. *S. undecimpunctella* Mn.
790. *S. vitiosella* Z.
- Alt Fam.: *Oecophorinae*
Cins: *Alabonia* (Hb.) Wlsgm.
791. *A. bractella* L.
792. *A. kindermanni* HS.
Cins: *Apiletria* Ld.
793. *A. luella* Ld.
794. *A. purulentella* Stt.
Cins: *Borkhausenia* Hb. (*Oecophora* auct.)
795. *B. amasiella* HS.
796. *B. cinerariella* Mn.
797. *B. icterinella* Mn.
798. *B. pokornyi* Nick.
799. *B. schaefferella* L.
800. *B. sordida* Stgr.
801. *B. tripuncta* Hw.
Cins: *Endrosis* Hb.
802. *E. lacteella* Schiff.
Cins: *Harpella* Schrk. (*Peltophora* Meyr.)
803. *H. forficella* Sc.
Cins: *Oecophora* Latr. (*Dasycera* Hw.)
804. *O. intermediella* Stt.
805. *O. oliviella* F.
806. *O. sulphurella* F.
- Familya: *Oinophilidae*
Cins: *Kermania*
807. *K. pistaciella* Amsel
- Familya: *Scythrididae* (*Butalidae*)
- Alt Fam.: *Epermeniinae*
Cins: *Cataplectica* Wlsgm. *Heydenia* Hofm.)
808. *C. fulviguttella* Z.
Cins: *Epermenia* Hb. (*Chauliodus* Tr.)
809. *E. chaerophyllella* Goeze.
810. *E. pontificella* Hb.
811. *E. wockeella* (-us) Stgr.
Cins: *Ochromolopis* Hb.
812. *O. ictella* Hb.
- Alt Fam.: *Scythridinae*
Cins: *Scythris* Hb. (*Galanthia* Hb., *Butalis* Tr.)
813. *Scythris amphonycella* H.G.
814. *S. anomaloptera* Stgr.
815. *S. canescens* Stgr.
816. *S. caramani* Stgr.
817. *S. chenopodiella* Hb.
818. *S. chenopodiella v. obscura* Stgr.
819. *S. emichi* Anker
820. *S. flabella* Mn.
821. *S. flaviventrella* HS.
822. *S. monochreella* Rag.
823. *S. obscurella* Sc.
824. *S. paelopyga* Stgr.
825. *S. pascuella* Z.
826. *S. platypyga* Stgr.
827. *S. punctivittella* Costa
828. *S. scopolella* Hb.
829. *S. subfasciata* Stgr.
830. *S. tabescentella* Stgr.
831. *S. tenuisquamata* Stgr.
832. *S. unipunctella* (Stgr.) Rbl.
833. *S. vagabundella* HS.
834. *S. zelleri* Stgr.
Cins: *Syriugopais* Hb. (*Scythris* Hb.)
835. *S. temperatella* Ld.
- Familya: *Tineidae*
Alt Fam.: *Atychiinae*
Cins: *Atychia* Latr.
836. *A. appendiculata* Esp.
837. *A. dispar v. compar* Stgr.
838. *A. tristis* Stgr.
- Alt Fam.: *Lypusinae*
Cins: *Diplodoma* Z.
839. *D. marginepunctella* Stph.
Cins: *Melasina* B.
840. *M. lugubris* Hb.
841. *M. punctata* HS.
- Alt Fam.: *Tineinae*
Cins: *Deuterotinea* Rbl.
842. *D. paradoxella* Stgr.
Cins: *Episcardia* Rag.
843. *E. lardatella* Ld.
Cins: *Euplocamus* Latr.
844. *E. anthracinalis* Sc.
845. *E. delagrangi* Rag.
846. *E. monetellus* Ld.
847. *E. ophisa* Cr.
Cins: *Euplocera* Rag.
848. *E. multiguttella* Rag.
Cins: *Hapsifera* Z.
849. *H. luridella* Z.

Cins: *Morophaga* HS.
 850. *M. morella* Dup.
 Cins: *Rhodobates* Rag.
 851. *R. laevigatellus* HS.
 Cins: *Tinea* (L.) Z.
 852. *T. chrysoptera* HS.
 853. *T. fasciata* Stgr.
 854. *T. granella* L.
 Syn.: *Nemapogon granella* L.
 855. *T. granulata* HS.
 856. *T. lapella* Hb.

857. *Tinea misella* Z.
 858. *T. parasitella* Hb.
 859. *T. pellionella* L.
 860. *T. viocella* Rbl.
 Cins: *Tineola* HS.
 861. *T. biselliella* Hummel
 862. *T. crassicornella* Z.
 863. *T. lutosella* Ev.
 Cins: *Trichophaga* Rag.
 864. *T. tapetzella* L.
 Syn.: *T. tapetiella* L.

Üst Familya : *Tortricoidae*

Familya: *Carposinidae*
 Cins: *Carposina* HS.
 865. *C. berberidella* HS.
 866. *C. scirrhosella* HS.
 Familya: *Cochylidae*
 (*Conchylidae*, *Phaloniaidae*)
 Cins: *Chlironia* Hb. (*Conchylis* Ld.,
Phalonia Hb.)
 867. *C. hartmanniana* Cl.
 Syn.: *C. baumanniana* Schiff.
 Cins: *Clysia* Hb. (*Cochylis* Tr.,
Conchylis Ld., *Eupoecilia* Stph.)
 868. *C. ambiguella* Hb.
 Cins: *Commophila* Hb. (*Phtheochroa*
 Stph.)
 869. *C. schreiberiana* Froel.
 Cins: *Euxanthia* (Hb.) Meyr.
 870. *E. amasiana* Rag.
 871. *E. angustana* Tr.
 872. *E. armeniana* Joan.
 873. *E. diana* Kenn.
 874. *E. dictyodana* Stgr.
 875. *E. elongana* F.R.
 876. *E. hamana* L.
 877. *E. hilarana* HS.
 878. *E. lathoniana* Hb.
 879. *E. meridiana* Stgr.
 880. *E. straminea* Hw.
 881. *E. subdolana* Kenn.
 882. *E. zoegana* L.
 Cins: *Hysterosia* Stph.
 883. *H. duponcheliana* Dup.
 Syn.: *Phtheochroa duponcheliana*
 Dup.
 884. *H. purgatana* Tr.
 Syn.: *Conchylis purgatana* Tr.
Eupoecilia purgatana Tr.

Cins: *Lozopera* Stph.
 885. *L. francillana* F.
 Cins: *Phalonia* (Hb) Meyr. (*Cochylis*
 Tr., *Conchylis* (Tr.) Ld.)
 886. *P. aleella* Schulze
 887. *P. centaureana* Stgr.
 888. *P. chamomilliana* (HS.)
 889. *P. defessana* Mn.
 890. *P. dolosana* Kenn.
 891. *P. hybridella* Hb.
 892. *P. lucentana* Kenn.
 893. *P. moribundana* Stgr.
 894. *P. mussehliana* Tr.
 895. *P. nana* Hw.
 896. *P. nefandana* Kenn.
 897. *P. palpana* Rag.
 898. *P. posterana* Z.
 899. *P. procerana* Ld.
 900. *P. purana* Gn.
 901. *P. purganata* Tr.
 902. *P. respirantana* Stgr.
 903. *P. roseana* Hw.
 904. *P. sparsana* Stgr.
 905. *P. zephyrana* Tr.
 906. *P. zephyrana* v. *scabidulana* Ld.

Familya: *Tortricidae*
 Alt Fam.: *Olethreutinae*
 Cins: *Ancyllis* Hb. (*Phoxopteryx* Tr.)
 907. *A. comptana* Froel.
 908. *A. derasana* Hb.
 909. *A. lundana* F.
 910. *A. selenana* Gn.
 Syn.: *A. curvana* Z.
 911. *A. siculana* Hb.
 Cins: *Argyroploce* Hb. (*Hedya* Hb.,
Olethreutes Hb., *Penthina* Tr.
 etc.)

912. *Argyroploce arcuella* Cl.
 913. *A. capreana* Hb.
 914. *A. cespitana* Hb.
 915. *A. dimidiana* Sodof.
 916. *A. ericetana* Westw.
 917. *A. fuligana* Hb.
 918. *A. lacuana* Dup.
 919. *A. oblongana* Hw.
 Syn.: *A. sellana* Gn.
 920. *A. ochroleucana* Hb.
 921. *A. pruniana* Hb.
 Syn.: *Hedya pruneticolana* Z.
 922. *A. rivulana* Sc.
 923. *A. sororiana* HS.
 Syn.: *Olethreutes phlomidana* Stgr.
 924. *A. umbrosana* Frr.
 925. *A. urticana* Hb.
 926. *A. variegana* Hb.
 Syn.: *Hedya cynosbatella* Wilk.
 H. nubiferana Hw.
 H. tripunctana Hb.
 Cins: *Crociosema* Z.
 927. *C. plebejana* Z.
 Cins: *Cymolomia* Ld.
 928. *C. latifasciana* Hw.
 Cins: *Epiblema* Hb. (*Paedisca* Tr.
 etc.)
 929. *E. agnatana* Chr.
 930. *E. agrestana* Tr.
 931. *E. brunnichiana* (S.V.) Froel.
 932. *E. caecimaculana* Hb.
 933. *E. coagulana* (Z.) Kenn.
 934. *E. conformana* Mn.
 935. *E. definitana* Kenn.
 936. *E. deruptana* Kenn.
 937. *E. desertana* Stgr.
 938. *E. fessana* Mn.
 939. *E. hepatariana* HS.
 940. *E. hepaticana* Tr.
 941. *E. kochiana* HS.
 942. *E. medullana* Stgr.
 943. *E. modicana* Z.
 944. *E. nigricana* HS.
 945. *E. pflugiana* Hw.
 946. *E. praefractana* Kenn.
 947. *E. significantana* Kenn.
 948. *E. thapsiana* Z.
 949. *E. tripunctana* (S.V.) F.
 950. *E. umbratana* Stgr.
 Cins: *Evetria* Hb. (*Retinia* Gn.
 Rhyacionia (Hb.) HS.)
 951. *Evetria buolianna* Schiff.
 952. *E. buoliana* v. *thurificana* Led.
 953. *E. resinella* L.
 954. *E. tessulatana* Stgr.
 Cins: *Grapholitha* (Tr.) Hein. (*Laspeyresia* (Hb.) Meyr.)
 955. *G. adjunctana* Kenn.
 956. *G. difficilana* (B-Hass il.)
 Wlsglm.
 957. *G. dorsana* F.
 Syn.: *G. jungiana* Fröl.
 G. lunulana Den. and Schiff.
 G. megerleana Fröl.
 958. *G. conformana* Mn.
 959. *G. funebrana* Tr.
 Syn.: *G. prunivorana* Rag.
 960. *G. leucogrammana* Hofm.
 961. *G. molesta* Busck
 Syn.: *Cydia molesta* Busck
 962. *G. nebritana* Tr.
 963. *G. pallifrontana* Z.
 964. *G. selliferana* Kenn.
 Cins: *Gypsonoma* Meyr. (*Epinotia*
 Hb.)
 965. *G. dealbana* Hw.
 Syn.: *G. incarnana* Hw.
 966. *G. simulantana* Stgr.
 967. *G. sociana* Hw.
 Syn.: *G. neglectana* Dup.
 Cins: *Hemimene* Hb. (*Dichrorampha*
 Gn.)
 968. *H. acuminatana* Z.
 969. *H. alpinana* Tr.
 970. *H. plumbagana* Tr.
 Cins: *Laspeyresia* Hb. (*Carpocapsa*
 Tr., *Cydia* Hb., *Enarmonia* Hb.,
 Grapholitha (Tr.) Hein.)
 971. *L. caecana* Schlag.
 972. *L. compositella* F.
 973. *L. coronillana* Z.
 974. *L. fagiglandana* Z.
 Syn.: *L. grossana* Hw.
 975. *L. gemmiferana* Tr.
 976. *L. janthinana* Dup.
 977. *L. leplastriana* Curt.
 978. *L. microgrammana* Gn.
 979. *L. nigricana* Stph.
 Syn.: *L. nebritana* Z.,
 L. novimundi Hein.,
 L. pisana Gn.,

- Laspeyresia tenebrosana Z.**
 980. *L. orobana* Tr.
 981. *L. pallifrontana* Z.
 982. *L. pomonella* L.
 Syn.: *L. pomana* Fab. (etc.)
 983. *L. pomonella* v. *putaminana* Stgr.
 984. *L. splendana* Hb.
 Syn.: *L. splendidana* Meyer
 985. *L. succedana* (S.V.) Froel.
 Cins: *Lipoptycha* Ld.
 986. *L. gruneriana* HS.
 Cins: *Lobesia* Gn.
 987. *L. botrana* Den. and Schiff.
 Syn.: *L. reliquana* Tr.,
L. rosmarinana Mill.,
Polychrosis botrana Den. and Schiff.
 988. *L. permixtana* Hb.
 Cins: *Notocelia* (Hb.) Meyr. (*Aspis* Tr.)
 989. *N. incarnatana* Hb.
 990. *N. suffusana* Z.
 991. *N. uddmanniana* L.
 Cins: *Olethreutes* Hb. (*Penthina* Tr.,
Sericoris Tr.)
 992. *O. achatana* F.
 992. *O. achatana* F.
 Syn.: *Ancylis achatana* F.
 993. *O. arcuella* Cl.
 994. *O. delitana* Stgr.
 995. *O. illepidana* Kenn.
 996. *O. stibiana* Gn.
 Cins: *Pamene* Hb. (*Pammene* Hb.,
Phthoroblastis Ld.)
 997. *P. flexana* Z.
 998. *P. gallicolana* Z.
 999. *P. insulana* Gn.
 Syn.: *P. motacillana* Z.
 1000. *P. leudersiana* Sorh.
 1001. *P. ochsenheimeriana* Z.
 1002. *P. pharaonana* Koll.
 1003. *P. rhediella* Cl.
 Syn.: *P. aurana* Hb.,
P. daldorfana F.,
P. daldorfiana HS.,
P. rhediana Hb.,
P. rhediana Tr.
 Cins: *Pelatea* Gn.
 1004. *P. festivana* Hb.
- Cins: *Polychrosis* Rag. (*Eudemis* Wck.)
 1005. *P. anderegiana* Hd. (HS.)
 1006. *P. artemisiana* Z.
 1007. *P. attributana* Kenn.
 1008. *P. bicinctana* Dup.
 1009. *P. euphorbiana* Frr.
 1010. *P. quaggana* Mn.
 Cins: *Semasia* (Stph.) HS.
 1011. *S. aceriana* Dup.
 1012. *S. aspidiscana* Hb.
 1013. *S. hypericana* Hb.
 1014. *S. urbana* Kenn.
 Cins: *Spilonota* Stph. (*Tmetocera* Ld.)
 1015. *S. ocellana* F.
 Syn.: *S. comitana* Hb.,
S. luscana F.
 Cins: *Steganoptycha* Stph.
 (*Enarmonia* (Hb.) Meyr.
Epinotia Hb.)
 1016. *S. delitana* F.R.
 1017. *S. ericetana* HS.
 1018. *S. obtusana* Hw.
 Alt Fam.: *Sparganothis* e
 Cins: *Sparganothis* (Hb) Meyr.
 (*Oenophthira* Dup., *Oenectra* Gn.)
 1019. *S. pilleriana* Den. and Schiff.
 Syn.: *S. danticana* Walck.,
S. luteolana Hb.,
S. pillerana Fab.,
S. vitana Fab.
 Alt Fam.: *Tortricinae*
 Cins: *Acleris* Hb. *Acalla* Hb., *Peronea* Curt., *Teras* Tr.)
 1020. *A. boscana* F.
 1021. *A. contaminana* Hb.
 1022. *A. contaminana* v. *ciliana* Hb.
 1023. *A. cristana* (S.V.) F.
 1024. *A. hastiana* L.
 1025. *A. holmiana* L.
 1026. *A. literana* L.
 1027. *A. logiana* Schiff.
 1028. *A. quercinana* Z.
 1029. *A. undulana* Wlsglm.
 1030. *A. variegana* Den. and Schiff.
 Syn.: *A. abilgaardana* F.,
A. cristana Hb.,
A. claudana Hb.
 Cins: *Amphisa* Curt. (*Philedone* (Hb.) Meyr.)

1031. *Amphisa gerningana* Schiff.
 Cins: *Archips* Hb. (*Cacoecia* Hb.)
 1032. *A. crataeganus* Hb.
 Syn.: *A. branderiana* Wood.,
A. crataegana Hb.,
A. heparana Hb.,
A. roporana Hb.,
*A. xylostean*a Illiger
 1033. *A. podanus* Scop.
 Syn.: *A. oporana* L.,
A. rosana F.,
Cacoecia podana Scop.,
Pandemis oporana L. (etc.)
 1034. *A. rosanus* L.
 Syn.: *A. acerana* Hb.,
A. laevigana Den. and Schiff.,
A. rosana L.,
A. variana Fab., (etc.)
 1035. *A. xylostean*a L.
 ;Syn.: *A. characterana* Hb.,
A. westriniana Thunberg.
 Cins: *Cacoecia* Hb.
 1036. *C. cacsareana* Joan.
 1037. *C. gilvana* Ev.
 1038. *C. semialbana* Gn.
 1039. *C. strigana* Hb.
 1040. *C. unifasciana* Dup.
 Cins: *Capua* Stph.
 1041. *Capua angustiorana* Hw.
 Cins: *Choristoneura* Ld. (*Archips*
 Hb., *Cacoecia* Hb., *Tortrix*
 (L.) Meyr.)
 1042. *C. diversana* Hb.
 Syn.: *C. acerana* Hw.,
C. viduana Fröl.
 1043. *C. sorbiana* Hb.
 Syn.: *C. avellana* Hw.,

Christoneura hebenstreitella
 Müller,
C. pyrana Vill.,
C. rosana Laps.
 Cins: *Cnephasia* Curt. (*Sciaphila* Tr.)
 1044. *C. abrasana* Dup.
 1045. *C. canescana* Gn.
 1046. *C. chrysantheana* Dup.
 1047. *C. longana* Hw.
 Syn.: *C. capillana* Gn.,
C. loewiana Zell.
 1048. *C. longana* v. *insolatana* HS.
 1049. *C. nubilana* Hb.
 Syn.: *Neosphaleroptera nubilana* Hb.
 1050. *C. obsoletana* Kenn.
 1051. *C. Wahlbomiana* L.
 1052. *C. Wahlbomiana* v. *cupressi-*
vorana Stgr.
 Cins: *Dichelia* Gn. (*Hastula* Mill.,
Epagoge (Hb.) Meyr.)
 1053. *D. artificana* Hd. (HS.)
 1054. *D. gnomana* Cl.
 1055. *D. grotiana* F.
 1056. *D. ignoratana* Stgr.
 Cins: *Eulia* Hb. (*Lophoderus* Stph.)
 1057. *E. asinana* Hb.
 1058. *E. cupressana* Dup.
 1059. *E. ochreana* Hb.
 Cins: *Pandemis* Hb.
 1060. *P. ribeana* Hb.
 Syn.: *P. flavana* Stph.,
P. grossularia Stph.
 Cins: *Tortrix* (L.) Meyr.
 (*Heterognomon* Ld.)
 1061. *T. loefflingiana* L.
 1062. *T. pronubana* Hb.
 Syn.: *Cacoecia pronubana* Hb.
 1063. *T. rusticana* Tr.
 1064. *T. viridana* L.

ALT TAKIM: M O N O T R Y S I A

Üst Familya: E r i o c r a n i o i d e a

Familya: E r i o c r a n i i d a e
 Cins: *Eriocrania* Z.

1065. *E. subpurpurella* v. *fastuosella*
 Z.

Üst Familya: H e p i a l o i d e a

Familya: H e p i a l i d a e
 Cins: *Hepialus* F.

1066. *Hepialus amasinus* (-a) HS.
 1067. *H. sylvinus* (-a) L.

Úst Familia: *I n c u r v a r i o i d e a*

Familija: *H e l i o z e l i d a e*

Cins: *Antispila* Hb.

1068. *A. pfeifferella* Hb.

1069. *Antispila rivillei* Stt.

Syn.: *Alucita uvella* Vallat,
Antispila rivillella Rondan,
Holocacista rivillei Stt.

Familija: *I n c u r v a r i i d a e*

Alt Familia: *A d e l i n a e*

Cins: *Adela* Latr.

1070. *A. croesella* Sc.

1071. *A. croesella v. religatella* Z.

1072. *A. fibulella* F.

1073. *A. florella* Stgr.

1074. *A. repetitella* Mn.

1075. *A. rufifrontella* Tr.

1076. *A. trifasciella* Stgr.

1077. *A. viridella* Z. (Sc.)

Cins: *Nemotois* Hb.

1078. *N. annae* Z.

1079. *N. barbatellus* Z.

1080. *N. barbatellus v. albiciliellus*
Stgr.

1081. *N. dumerillius* (-a) Dup.

1082. *N. fasciellus* (-a) F.

1083. *N. istrianelius* (-a) HS.

1084. *N. mollellus* (-a) Hb.

1085. *Nemotois prodigellus* Z.

1086. *N. raddaellus* Hb.

Alt Fam.: *E r i o c o t t i n a e*

Cins: *Eriocottis* Z.

1087. *E. fuscanella* Z.

Alt Fam.: *I n c u r v a r i i n a e*

Cins: *Incurvaria* Hw. (*Lampronia*
Stph.)

1088. *I. koernerella* Z.

1089. *I. morosa* Z.

Syn.: *I. quadripunctella* F.

1090. *I. muscalella* F.

Syn.: *I. masculinella* Hb.

1091. *I. vetulella* Zett.

1092. *I. vetulella v. circulella* Zett.

Cins: *Nemophora* Hb.

1093. *N. pilella* F.

1094. *N. pilella v. magna* Z.

1095. *N. swammerdamella* L.

Úst Familia: *S t i g m e l l o i d e a*

Familija: *N e p t i c u l i d a e*

(*Stigmellidae*)

Cins: *Nepticula* (Hey.) Z. (*Stigmella*
Sch.)

1096. *N. carpinella* Hein.

1097. *N. centifoliella* Z.

1098. *N. malella* Stt.

1099. *N. prunetorum* Stt.

1100. *N. pulverosella* Stt.

1101. *N. samiatella* HS.

1102. *N. sencella* Hein

1103. *Nepticula sericopeza* Z.

Cins: *Trifurcula* Z.

1104. *T. pallidella* Z.

Familija: *O p o s t e g i d a e*

Cins: *Opostega* Z.

1105. *O. auritella* Hb.

1106. *O. crepusculella* Z.

Familija: *T i s c h e r i i d a e*

Cins: *Tischeria* Z.

1107. *T. angusticolella* Dup.

1108. *T. complanella* Hb.

1109. *T. gaunacella* Dup.

ALT TAKIM: ZEUGLOPTERA

Famulya: Micropterygidae (Eriocephalidae)

Cins: Micropteryx Hb. (Eriocephala Curt.)

1110. M. amasiella Stgr.

1111. M. ammanella Hb.

TÜRKÇE İSİM VERİLEN MICROLEPIDOPTERLER

Türkçe isim verilen Microlepidoptera türleri alfabetik sıraya göre diğer yabancı dillerdeki isimleri ve konukçuları ile Cetvel 1 de gösterilmiştir.

C E T V E L 1

Türkçe isim verilen Microlepidopter'lerin diğer yabancı dillerdeki isimleri ve konukçuları

T ü r k ç e	L â t i n c e	İ n g i l i z c e	A l m a n c a	Zararlı olduğu bitki
Adi ev güvesi	<i>Tinea pellionella</i> L.	Case making clothes moth	Pelzmotte	Evlerdeki muhtelif maddeler
Ağaç kurtları	Cossidae	Goat moths, Carpenter moths, Carpenter worms	Holzbohrer	
Ağkurtları	Hyponomeutidae	Ermine moths, Yponomeutid moths	Gespinstmotten	Meyva, crataegus, söğüt v.b.
Arı benzeri kelebekler	Aegeridae (Sesiidae)	Clear Wings, Clear - Winged moths	Glasflügler	
Armut yaprak galeri açanı, Elma yaprak galeri açanı	<i>Leucoptera scitella</i> Zell.	Pear leaf blister moth	Kernobst - Glattnopfmotte, Obstbaum - Fleckanminier - motte, Münzminiermotte	Elma, armut
Armut tomurcuk gal güvesi	<i>Blastodaena</i> sp.			Armut
Arpa güvesi, Akdeniz zahire güvesi	<i>Sitotroga cerealella</i> Oliv.	Angoumois grain moth	Französische Kornmotte, Getreidemotte	Hububat (tarlada ve ambarlarda)
Avrupa mısır deleni, Darı kurdu	<i>Ostrinia nubilalis</i> Hbn.	European corn borer	Maiszünsler, Hırsezünsler, Hopfenzünsler Glied wurm	Darı, mısır
Bağ gözkurdu	<i>Theresimima ampelophaga</i> Bayle	Vine bud moth		Bağ
Bağ pıralı, Dürmece	<i>Sparganothis pilleriana</i> Schiff.		Springwurmwickler, Spring - oder Laubwurm	Bağ
Bağ yaprak güvesi	<i>Antispila rivillei</i> Stt.			Bağ
Baklagil kabuk kurdu, Yeşil Baklagil kabuk kurdu, Taze Baklagil kabuk kurdu,	<i>Etiella zinckenella</i> Tr.	Lema bean pod borer	Zincken	Baklagiller, akasya baklaları

(C E L T V E L 1'in devamı)

T ü r k ç e	L â t i n c e	İ n g i l i z c e	A l m a n c a	Zararlı olduğu bitki
Bal mumu güvesi, mum güvesi, Petek güvesi	<i>Galleria mellonella</i> L.	Greater wax moth, wax moth	Grosse wachsmotte, Bankmaden, Bienenwolf	Bal arıları, petekleri
Bezelye kurdu	<i>Laspeyresia nigricana</i> Steph.	Pea moth	Erbsenwickler	Bezelye
Crucifera bitkileri güvesi, Lâhana güvesi, Parlak güve	<i>Plutella maculipennis</i> Curt.	Diamond - back moth, Diamond-back cabbage moth	Kokischabe	Lâhanagiller (Crucifera)
Crucifera güvesi, Lâhana tohum güvesi	<i>Evergestis extimalis</i> Scop.		Rübsaatpfeifer, Extimus AuBerste	Crucifera tohumları
Crucifera güvesi, Lâhana tohum güvesi	<i>Evergestis frumentalis</i> L.		Fruentum Getreide	Crucifera tohumları
Çam reçine uru	<i>Evetria resinella</i> L.			Çam
Çam sürgün güvesi	<i>Evetria buoliana</i> Schiff.	European pine shoot moth	Kiefertriebwickler	Çam
Çam sürgün güvesi	<i>E. buoliana</i> v. <i>thurificana</i> Led.			Çam
Çay fillz güvesi	<i>Parametriotes theae</i> Kouzn.			Çay
Çekirdek güvesi, Zeytin çekirdeği güvesi	<i>Oecophora oliviella</i> F.			Zeytin
Darı kurdu, Avrupa mısır deleni	<i>Ostrinia nubilalis</i> Hbn.	European corn borer	Malszünsler, Hirsezünsler, Hopfenzünsler, Glied wurm	Darı, mısır
Doğu meyva güvesi	<i>Grapholitha molesta</i> Busck.	Oriental peach moth Oriental peach moth	Pfirsichtriebböhrer	Şeftali
Dürmece, Bağ pıralı	<i>Sparganothis pilleriana</i> Schiff.		Springwurmwickler, spring oder Laubwurm	Bağ
Ekin ambar güvesi	<i>Nemapogon granella</i> L.	European grain moth	Kornmotte, weisser Korwurm	Hububat (Ambarda)
Ekin güvesi, Ekin yaprak güvesi	<i>Syringopais temperatella</i> Led.			Ekin, bilhassa buğday
Elbise güvesi	<i>Tineola biselliella</i> Humm.	Webbing clothes moth	Kleider motte	Elbise v.s.
Elma ağ kurdu	<i>Hyponomeuta malinellus</i> L.	Apple small ermine moth	Apfelbaum gespinsmotte	Elma, Japon elması
Elma güvesi	<i>Argyresthia conjugella</i> Zell.	Apple fruit month, apple fruit miner, small tineid moth	Apfelmotte, Ebereschenmotte	Elma, dış budak

(C E L T V E L 1'in devamı)

T ü r k ç e	L â t i n c e	İ n g i l i z c e	A l m a n c a	Zararlı olduğu bitki
Elma içkurdu	<i>Laspeyresia pomonella</i> L.	Codling moth	Apfelwickler, Obstmade	Elma, armut, ayva, ceviz v.b.
Elma yaprak bükeni, kayısı yaprak bükeni	<i>Archips rosanus</i> L.	Rose twist moth, rose tortrix moth	Heckenwickler	Elma, armut, ayva, erik, ceviz, fındık v.b.
Elma yaprak galeri açanı, Armut yaprak galeri açanı	<i>Leucoptera scitella</i> Zell.	Pear leaf blister moth	Kornobst - Glattnopfmotte, Obstbaum Flecken miner motte, münzminiermotte	Elma, armut
Elma yaprak oyucusu	<i>Lyonetia clerkella</i> L.	Apple leaf miner	Obstbaumminiermotte, Schlangenminiermotte	Kiraz, elma
Erik ağkurdu	<i>Hyponomeuta padellus</i> L.	Plum small ermine moth	Pflaumengespinnsmotte, Traubenkirschengespinnsmotte	Erik, kayısı, Crataegus, kiraz
Erik kurdu	<i>Grapholita funebrana</i> Tr.	Plum fruit moth, Red plum maggot	Pflaumenwickler, Pflaumenmade	Erik
Fındık filiz güvesi	<i>Gypsonoma dealbana</i> Hw.			Fındık
Fıstık filiz güvesi	<i>Kermania pistaciella</i> Amsel			Antep fıstığı
Gül güvesi	<i>Platyptilia rhododactyla</i> Schiff.			Gül
Gülhatmi güvesi, Sarı kurt Güveler	<i>Crocidosema plebejana</i> Zell.	Holyhock		Hatmi, pamuk
Halı güvesi	Tineidae	Clothes moths and others	Echte Motten	
Harnup güvesi, Nar güvesi, Portakal güvesi	<i>Trichophaga tapetzella</i> L.	Carpet moth	Tapeten motte	Ambarlardaki muhtelif maddeler
Hurma güvesi	<i>Myelois ceratoniae</i> Zell.	Orangeworm	Ceratonia Johannisbratbaum	Keçiboynuzu, portakal, incir
İdris ağkurdu	<i>Ephestia calidella</i> Gne.		Calidus wurm	Ambar
İki renkli güve, Kuru meyva güvesi	<i>Hyponomeuta mahalebella</i> Guen.			Mahlep (İdris)
İncir kurdu	<i>Plodia interpunctella</i> Hb.	Indian meal moth	Dorrobstmotte	Ambar
Karaağaç yaprak bükeni	<i>Cadra cautella</i> Walker	Fig moth, Almond moth		Ambar
	<i>Archips xylosteana</i> L.	Forked red barred twist moth		Meyva (armut, ayva, fındık) ve orman ağaçları

(C E L T V E L 1'in devamı)

T ü r k ç e	L â t i n c e	İ n g i l i z c e	A l m a n c a	Zararı olduğu bitki
Karanfil yaprak bükeni	<i>Cacoecia pronubana</i> Hb.	Carnation leafroller moth		Karanfil, pamuk
Kayısı yaprak bükeni, Elma yaprak bükeni	<i>Archips rosanus</i> L.	Rose twist moth, rose tortrix moth	Heckenwickler	Elma, armut, ayva, erik, ceviz, fındık v.b.
Kestane içkurdu	<i>Laspeyresia splendana</i> Hb.		Kestaniengewickler, Eichelwickler	Kestane, palamut
Kimyon ve Anason güveleri	<i>Depressaria</i> spp.		Dolden motten	Kimyon ve anason
Kiraz güvesi	<i>Argyresthia ephippella</i> F.	Cherry fruit moth, cherry blossom moth	Kirschblütenmotte	Kiraz, dişbudak
Kırmızı ağaç kurdu, Kızı kurt	<i>Cossus cossus</i>	Goat moth	Weidenbohrer	Elma, armut söğüt v.b. ağaçlar
Kırmızı tomurcuk güvesi, Tomurcuk güvesi, tomurcuk kurdu	<i>Spilota ocellana</i> F.	Apple bud moth, eyespotted bud moth	Knospenwickler	Elma, meyva ağaçları
Kuru meyva güvesi, İki renkli güve	<i>Plodia interpunctella</i> Hb.	Indian meal moth	Dorrobstmotte	Ambar
Küçük petek güvesi	<i>Achroea grisella</i> F.	Lesser wax moth	Kleine Wachsmotte	Bal arıları petekleri
Küçük tomurcuk güvesi	<i>Recurvaria leucatella</i> Clerck.	Lesser bud moth	Grauköpfige Obstbaummotten	Meyva ağaçları Ro- saceae)
Küçük tomurcuk güvesi	<i>Recurvaria nanella</i> Hb.	Lesser bud moth	Grauköpfige Obstbaummotten	Meyva ağaçları Ro- saceae
Küçük yaprak güvesi, Zeytin delen güve	<i>Parectopa latifoliella</i> Mill.			Zeytin yaprakları
Lahana göbek kurdu, Lahana ağ kurdu	<i>Hellula undalis</i> F.	Imported Cabbage Web - worm	Unda die welle	Cruciferae (Lahana, karnabahar)
Lahana güvesi, Crucifera bitkileri güvesi, Parlak güve	<i>Plutella maculipennis</i> Curt.	Diamond - back moth, Diamond - back Cabbage moth	Kohlschabe	Lahanagiller (Cru- cifera)
Lahana tohum güvesi, Crucifera güvesi	<i>Evergestis extimalis</i> Scop.		Rübsaatpfeifer, Extimus A'usserste	Crucifera tohumları
Lahana tohum güvesi, Crucifera güvesi	<i>Evergestis frumentalis</i> L.		Frumentum Getreide	Crucifera tohumları

(C E L T V E L 1'in devamı)

T ü r k ç e	L â t i n c e	İ n g i l i z c e	A l m a n c a	Zararlı olduğu bitki
Leylak yaprak oyanı	<i>Gracillaria syringella</i> F.	Lilac leaf miner	Fliedermotte	
Meşe yaprak bükeni	<i>Tortrix viridana</i> L.	Green oak roller moth, Oak leaf roller	Grüner Eichen wickler	Meşe
Mum güveleri	Galleriidae	Wax moths	Wachsmotten	Bal arıları petekleri
Mum güvesi, Balmumu güvesi, Petek güvesi	<i>Galleria mellonella</i> L.	Greater wax moth, wax moth	Grosse Wachsmotte, Rankmaden, Bienenwolf	Bal arıları petekleri
Nar güvesi, Harnup güvesi, Portakal güvesi	<i>Myelois ceratoniae</i> Zell.	Orangeworm	Ceratonia Johannisbratbaum	Keçiboynuzu, portakal, incir.
Pancar güvesi	<i>Lita ocellatella</i> Boyd.	Beet moth	Rübenmotte	Şeker pancarı
Patates güvesi	<i>Phthorimaea operculella</i> Zell.	Potato tuberworm, Tobacco leaf miner, Tobacco split worm moth	Kartoffelmotte	Patates
Pembe kurt	<i>Platyedra gossypiella</i> Saunders	Pink Bollworm	Roter Kapselwurm	Pamuk kozaları
Pembe kurtgiller	Gelechiidae	Gelechiid moths	Palpenmotten	
Petek güvesi, Bal mumu güvesi, Mum güvesi	<i>Galleria mellonella</i> L.	Greater wax moth, wax moth	Grosse Wachsmotte, Rankmaden, Bienenwolf	Bal arıları petekleri
Pirinç güvesi	<i>Corcyra cephalonica</i> Stt.	Rice moth	Reismotte	Ambarlarda Pirinç ve pirinç ununda
Pirasa güvesi	<i>Acrolepia assectella</i> Zell.	Leak moth	Lauchmotte	Pirasa
Portakal güvesi	<i>Cryptoblabes gnidiella</i> Mill.	Rind - boring orange moth	Wockeana Briosi	Portakal, citrus, pamuk, bağ, meyva, süpürge dansı
Portakal güvesi, Nar güvesi, Harnup güvesi	<i>Myelois ceratoniae</i> Zell.	Orangeworm	Ceratonia Johannisbratbaum	Keçiboynuzu portakal, incir
Salkım güvesi, Ödemis Sarı ağaç kurdu	<i>Lobesia botrana</i> Den. and Schiff. <i>Zeuzera pyrina</i> L.	Vine moth, Grape moth Wood leopard moth, Leopard moth	Bekreuzter Traubenwickler Blausieb, Ross Kastanienbohrer	Bağ Elma, armut, zeytin, v.b. ağaçları

(C E L T V E L 1'in devamı)

T ü r k ç e	L â t i n c e	İ n g i l i z c e	A l m a n c a	Zararlı olduğu bitki
Sarı kurt, Gül hatmi güvesi	<i>Crociosema plebejana</i> Zell.	Holyhock		Hatmi, pamuk
Soğan kurdu	<i>Dyspessa ulula</i> Bkh.			Soğan
Söğüt ağkurdu	<i>Hyponomeuta rorellus</i> Hb.			Söğüt
Susam güvesi	<i>Antigastra catalaunalis</i> Dup.			
Şeftali güvesi	<i>Anarsia lineatella</i> Z.	Peach twig borer	Pfirsichmotte	Şeftali
Şeker pancarı güvesi	<i>Loxostege sticticalis</i> L.	Beet web worm, Sugar beet webworm	Wiesenzünsler, Rübenzünsler	Şeker pancarı
Taze Baklagil kabuk kurdu, Baklagil kabuk kurdu, Yeşil Baklagil kabuk kurdu	<i>Etiella zinckenella</i> Tr.	Lema bean pod borer	Zincken	Baklagiller, akasya kabukları
Tomurcuk kurdu, Tomurcuk güvesi, Kırmızı tomurcuk güvesi	<i>Spilonota ocellana</i> F.	Apple bud moth, eye - spotted bud moth	Knospenwickler	Elma, v.b. Meyva ağaçları
Turunçgil güvesi, Turunçgil çiçek güvesi	<i>Prays citri</i> Mill.	Citrus flower moth		Turunçgil
Tütün güvesi	<i>Ephestia elutella</i> Hbn.	Tobacco moth	Heu-, Kakaomotte	Ambarda (Kuru meyva, tahıl v.s.)
Tütün ur kurdu, Tütün sap kurdu, Tütün sap oyucusu	<i>Phthorimaea heliopa</i> Low.			Tütün
Un güvesi	<i>Anagasta kühniella</i> Zell.	Mediterranean flour moth	Mehlmotte	Ambarda (un, kirma, kepek, tahıl biskitivi, makarna, kuru üzüm ve incir)
Un güvesi, Yiyecek güvesi	<i>Pyralis farinalis</i> U.	Meal moth, meal snout moth	Mehlzünsle	Ekmek, buğday, kirma, un akdarı
Üzüm güvesi	<i>Cadra figulilella</i> Greg.	Raisin moth		Ambat
Üzüm tanesi güvesi	<i>Eupoecilia ambiguella</i> Hb.	Grape berry moth	Der Einbindige Traubenwickler, Traubenwurm	Bağ

(CELTVEL 1'in devamı)

Türkçe	Lâtince	İngilizce	Almanca	Zararlı olduğu bitki
Yaprak galeri açanları	Lyonetiidae	Ribbed Cocoon Makers and others		
Yaprak bükenler	Tortricidae	Leafrollers, Leaf roller moths	Wickler	Meyva, orman ağaçları, süs bitkileri
Yaprak galeri oyanları (açanları)	Gracilariidae	Leaf Blotch Miners and Others	Blatt - Tütenmotten	
Yeşil baklagil kabuk kurdu, Baklagil kabuk kurdu	Etiella zinckenella Tr.	Lema bean pod borer	Zincken	Baklagiller akasya baklaları
Yeşil tomurcuk kurdu	Hedya nubiferana Hw.	Green bud worm	Grüner Knospenwickler	Elma v.b meyva ve orman ağaçları
Yiyecek güvesi, un güvesi	Pyralis farinalis L.	Meal moth, meal snout moth	Mehlzünsler	Ekmek, buğday, kırma, un akdarı
Zeytin çekirdeği güvesi Çekirdek güvesi	Oecophora oliviella F.			Zeytin
Zeytin delen güve, Küçük yaprak güvesi	Parectopa latifoliella Mill.			Zeytin yaprakları
Zeytin fidan tırtılı	Glyphodes unionalis Hb.		Unlo Einheit	Zeytin, Jasminum
Zeytin güvesi	Prays oleae Bern.		Olivenmotte	zeytin

**INSECT PESTS OF TURKEY FOUND ON
DECIDUOUS FRUITS
(MEYVA ZARARLILARI)**

Zekiye IREN¹

Mohd Karimuddin AHMED²

I N T R O D U C T I O N

Turkey occupies important position being the leading producer of deciduous fruits among Asian Countries. Some varieties of fruits are now being exported to various countries. One of the most important factor of this favourable situation may be attributed for adopting better plant protection devices. In spite of these measures fruit crops are subject to infestation by a number of injurious insect species.

There is a sufficient literature about the biology and control measures of fruit pests in Turkey but in most cases it is to be found in a scattered manner. It is a fact that the systematic position and distribution of harmful insect species play important role for effective control measures. So the authors have endeavoured to compile a list of insect pests covering the said aspects, from the available literature. The main object of compiling this list is to afford assistance to plant protection workers of extension side, budding entomologist general readers and research workers. This will indeed give a general idea and guidance about the occurrence of injurious insect species at a glance.

It may be worth mentioning that systematic entomology is closely related to economic entomology. The rules of the former branch of entomology is generally changing in respect of nomenclature of insect species. Due to this attitude many subfamilies and families either have been revised or have been ranked to some superior status. Like this manner the nomenclature of individual insect species, meet the same fate which often create confusion. This situation is generally found in old literature, on this subject. The present list may be a good media to remove these difficulties.

This list is based on identical principle as possible in scope, systematically covering noxious, destructive or otherwise un - favourable to economic crops. The status and distribution of them are also added with the help of relevant literature. If the pests found under cover crops and other plants are not included in the list. Our views may not be regarded as conclusive. It is also to be noted that the status of insect species does not remain static. Efforts have been made to explain the accurate information regarding insect species distribution. Under this column mostly «Turkey» is written. This carries two meanings either the species are found in Country wide or the lack of information concerning their exact place of distribution in the Country.

We have endeavoured to make this list as complete and useful as possible, but the information enlisted here are subject to new addition and revision.

Plants chosen subject to the list are: Almond, Apple, Apricot, Cherry, Chestnut, Elaeagnus, Fig, Hazelnut, Olive, Peach, Pear, Pistachio, Plum, Pomegranate, Quince, Walnut and Grape.

1 Plant Protection Institute, ANKARA.

2 Dept. of Plant Protection Government of Pakistan. Turkish Government awarded fellowship under RCD programme to study the insect pest of fruit crops, for six months.

II. K I S I M

Deciduous fruit pests, their host plants, status and distribution
(Meyva Zararlıları, Konukçuları, Zarar durumları ve Yayılışları)

Species	Host Plants	Status	Distribution
Family: E r i o p h y i d a e	ORDER : A C A R I N A		
Epitrimerus pyri Nal.	Pear	Minor	Central Anatolia
Eriophyes avellanae Nal.	Hazelnut	Major	Black sea areas, Hazelnut Producing areas
Syn.: Acarus pseudogallarum Targ. Eriophyes corylligallarum Targ. E. pseudogallarum Targ. Phytoptus avellanae Nal. (etc.)			
E. granati G. et M.	Pomegranate	Minor	Antalya
E. padi Nal.,	Plum, Almond, Apricot	Do	Turkey (Ankara, Bolu, Niğde)
Syn.: Erineum amygdalinum Dub. Eriophyes padi prunianus Nal.			
E. phloeoptes Nal.	Plum, Apricot	Do	Turkey
Syn.: Cecydoptes pruni Amer. Phytoptus phloeoptes Nal.			
E. pyri Fgst.	Pear	Do (sometimes major)	Turkey
Syn.: Phytoptus pyri Fgst. Typhlodromus pyri Scheuten			
E. pyri v. mali. Nal.	Apple	Scarce	Ankara, Konya
E. pyri v. orientalis Fgst.	Quince	Scarce	Ankara, Eskişehir, Niğde
E. pyri v. variolata Nal.	Sorbus	Found	Ankara
E. similis Nal.	Apricot	Minor	Turkey
E. tristriatus Nal.	Walnut	Sometimes major	Ankara, Konya, Eskişehir, Niğde and other places
E. tristriatus v. erineus Nal.	Walnut	Do	Ankara, Konya, Eskişehir, Niğde.

Species	Host Plants	Status	Distribution
Syn.: <i>Phytoptus tristriatus</i> v. <i>erinea</i> Nal. <i>Eriophyes vitis</i> Egst.	Grape	Major	Turkey
Syn.: <i>Phytoptus vitis</i> Land. <i>Phyllocoptes vitis</i> Nal.	Grape	Minor	Izmir (Seferihisar, Menemen)
Family: <i>Phytoseiidae</i> <i>Typhlodromus aberans</i> Oudemans	Apple, Hazelnut, Plum		Ankara
Syn.: <i>T. elengatus</i> Oud. <i>T. vitis</i> Oud.			
Family: <i>Tarsonemidae</i> <i>Carpoglyphus lactis</i> L.	Dried fruit, Fig grape (Stored products)	Do	Turkey
<i>Glyciphagus</i> sp.	Dried fruit fige Grape (Stored products)	Do	Turkey
Family: <i>Tenuipalpidae</i> <i>Brevipalpus olearius</i> Sayed	Olive	Found	Adana
<i>Cenopalpus pritchardi</i> Düzgünes	Pear	Found	Izmir (Bornova)
<i>Cenopalpus pulcher</i> (C. and F.)	Apple and other deciduous fruit trees	Do	Ankara, Aegean, Marmara and Blacksea Regions
Syn.: <i>Brevipalpus pyri</i> Sayed. <i>B. geisenheyneri</i> Rubs.			
<i>Tenuipalpus granati</i> Sayed	Grape, Pomegranate	Minor	Izmir, Manisa
Syn.: <i>T. orchidarum</i> Sayed			
Family: <i>Tetranychidae</i> <i>Bryobia rubrioculus</i> Scheuten	Apple and other fruit trees	Major	Turkey
<i>Metatetranychus ulmi</i> Koch.	Apple and other fruit trees	Major for Marmara Region	Marmara Region, Central Anatolia,
Syn.: <i>Panonychus ulmi</i> Koch. <i>Paratetranychus ulmi</i> André etc.			
<i>Eotetranychus carpini</i> Oud.	Apple		

Species	Host Plants	Status	Distribution
<i>Eotetranychus pomi</i> Seps.	Apple	Found	Ankara
<i>Eotetranychus</i> sp.	Figs	Do	Gaziantep
<i>Tetranychus atlanticus</i> Mc Gregor Syn.: <i>T. türkestanii</i> Uv. and Nikol.	Apple and other fruit trees	Minor	Central Anatolia
<i>T. urticae</i> Koch.	Apple and other fruit trees	Major	Turkey
<i>T. viennensis</i> Zacher	Apple, other fruit trees and cotton etc.	Major	Turkey
Family: <i>Tyroglyphidae</i>			
<i>Heteroglyphus vitium</i> Foa	Grape	Minor	Zonguldak (Safranbolu), Çanakkale (Gelibolu),
<i>Rhizoglyphus echinopus</i> Fumouze and Robin Syn.: <i>Tyroglyphus echinopus</i> Fumouze and Robin	Grape	Do	Zonguldak (Safranbolu), Çanakkale (Gelibolu).
ORDER : COLEOPTERA			
Family: <i>Alleculidae</i>			
<i>Omophlus caucasicus</i> Kirsch.	Grape, olive, fruit, etc.	Do	West and Central Anatolia
<i>O. dilatatus</i> Fald.	Grape, olive, fruit, etc.	Do	West and Central Anatolia
<i>O. flavipennis</i> Küster	Grape, fruit, etc.	Do	West and Central Anatolia
Family: <i>Attelabidae</i>			
<i>Attelabus nitens</i> Scopoli Syn.: <i>A. curculionoides</i>	Walnut	Found	Turkey
<i>A. coccineus</i> Fourc.			
<i>Bytiscus betulae</i> L. Syn.: <i>B. alni</i> Mull., <i>B. betuleti</i> F., <i>B. nitens</i> Marsch., <i>B. viridis</i> Fourc.,	Pear	Minor	Marmara region

Species	Host Plants	Status	Distribution
<i>Byctiscus viridulus</i> Westh, <i>Coenorhinus aequatus</i> L.	Apple, pear, plum peach, almond	Do	Central Anatolia and Marmara region
Syn.: <i>Rhynchites aequatus</i> L., <i>R. purpureus</i> Thoms. <i>R. ruber</i> Fairm.			
<i>C. aequatus</i> v. <i>semiruber</i> Stier Syn.: <i>Rhynchites aequatus</i> v. <i>semiruber</i> Stier	Almond, Apricot	Minor	Ankara, Eskişehir
<i>C. cribripennis</i> Desbr.	Olive	Major (Sometimes)	Olive producing areas
Syn.: <i>Rhynchites cribripennis</i> Desbr., <i>R. ruber</i> Schilsky <i>R. auratus</i> Scop.	Plum, apple, etc.	Do	Turkey
Syn.: <i>R. ferhanensis</i> Newsky <i>R. bacchus</i> L.	Cherry, apricot, apple, etc.	Major (Sometimes)	Central Anatolia and Marmara region
<i>R. auratus</i> Sph., Syn.: <i>R. laetus</i> Germ., <i>R. purpurens</i> De - Geer, <i>R. semiviolaceous</i> Fig, <i>R. splendidulus</i> Stev.			
<i>R. schilsky</i> Voss.	Apple, plum etc.	Do	Central Anatolia
<i>R. smrynensis</i> Debr.	Apple, plum cherry etc.	Do	Central Anatolia
<i>R. versicolor</i> Costa	Pear	Minor	Anatolian Region
Syn.: <i>R. giganteus</i> Kryn.			
Family.: <i>Bostrychidae</i> <i>Psoa viennensis</i> Herbst <i>Schistoceros bimaculatus</i> Ol.	Grape Fig, Grape	Minor Minor	Turkey Aegean region, Southern Anatolia

Species	Host Plants	Status	Distribution
Syn.: <i>Apate bimaculatus</i> Ol. <i>Schistoceros aurilus</i> Forstwal			
<i>Scobicia chevrieri</i> Villa	Pistachio, fruit trees	Minor	Ankara
<i>Sinoxylon sexdentatum</i> Ol.	Fig, Pistachio, Mulberry	Minor	Aegean Region
Syn.: <i>S. bidens</i> F., <i>S. chalcographum</i> , Panz. <i>S. muricatum</i> Targ.			
Family: Buprestidae <i>Agrilus desaro-fasciatus</i> Lac.	Grape	Do	Aegean and Mediteranean Regions
Syn.: <i>A. angustatus</i> Cast. <i>Agrilus</i> sp.	Fruit, grape	Do	Turkey
<i>Anthaxia bicolor</i> Fald.	Fig	Minor	Fig producing areas
<i>Aurigena chlorana</i> Cast. et Bory Syn.: <i>Perotis chlorana</i> Cast	Fruit	Minor	Turkey
<i>A. unicolor</i> Ol.	Fruit	Minor	Turkey
Syn.: <i>Perotis lugubris</i> F. <i>Capnodis carbonaria</i> Klug.	Stone Fruit	Do	Turkey
Syn.: <i>C. aequicollis</i> Obenb., <i>C. cribricollis</i> Ab.			
<i>C. cariosa</i> Pall.	Pistachio, fruit	Do	Turkey
Syn.: <i>C. bruttia</i> Petagna <i>C. miliaris</i> Klug.	Pistachio, fruit	Minor	Turkey
<i>C. porosa</i> Klug.	Peach, Almond	Minor	Mardin, Gaziantep
Syn.: <i>C. hypocrita</i> Gehin, <i>C. mannerheimi</i> Fald.			
<i>C. tenebricosa</i> Ol.	Stone fruit	Minor	Ankara
Syn.: <i>C. aurosparsa</i> Ab., <i>C. dorsata</i> Coet., <i>C. lugens</i> Kust., <i>C. simulatrix</i> Obenb.			

Species	Host Plants	Status	Distribution
<i>Capnodis tenebrionis</i> L. Syn.: <i>C. moluccensis</i> Voet. <i>C. naevia</i> Gmelin <i>C. tenebrionides</i> Pall. <i>C. variegata</i> Goez.	Stone fruit	Do	Turkey
<i>Chalcophorella quadriculata</i> Redt. <i>C. stigmatica</i> Dalm.	Pistachio Fruit	Minor Minor	Turkey Turkey
<i>Ptosima flavoguttata</i> III. Syn.: <i>P. novemmaculata</i> L. <i>P. undecimmaculata</i> Herbst.	Apricot, Cherry	Minor	Turkey
<i>Sphenoptera chrysostoma</i> Cast. Family: <i>Cerambycidae</i> <i>Cerambyx cerdo</i> L.	Almond, Peach, Plum Apple, apricot, cherry, Pear, walnut,	Minor Minor	Istanbul, Amasya, etc. Izmit (Sapanca)
<i>C. dux</i> Fald. <i>C. scopoli</i> Fuessly	Almond, apple, apricot, Cherry, pear Chestnut	Do Minor	Southern, Northern Anatolia and Marmara Region Istanbul (Polonez K.)
<i>Chlorophorus varius</i> Müll. Syn.: <i>Clytanthus carius</i> Müll.	Fig, Fruit	Minor	Ankara, İzmir
<i>Exocentrus adpersus</i> Muls. <i>Gracilia minuta</i> F. <i>Leptura scutellata</i> F. <i>Liopus femeratus</i> Frm. <i>Morimus orientalis</i> Rtt. <i>Niphona picticornis</i> Muls.	Chestnut Chestnut Hazelnut Fig Chestnut Fig, Pistachio, Pomegranate	Minor Minor Minor Minor Do Minor	Istanbul (Polonez K.) Istanbul (Polonez K.) Istanbul (Polonez K.) Istanbul (Polonez K.) Istanbul (Polonez K.) Fig growing areas
<i>Oberea linearis</i> L. Syn. <i>O. regularis</i> Poda	Hazelnut	Do	Black Sea Region (Trabzon, Giresun), Istanbul (Polonez K.)
<i>Obrium bicolor</i> Kr. <i>Osphrantheria coerulescens</i> Redtb.	Fruit trees Apricot	Found Minor	Antalya (Korkuteli) Diyarbakır

Species	Host Plants	Status	Distribution
<i>Phymatodes alni</i> L.	Chestnut	Do	Istanbul (Polonez K.)
<i>P. femoralis</i> Men. subsp. <i>demeti</i> Heyr.	Chestnut	Minor	Istanbul (Polonez K.)
<i>Priouis besicanus</i> Fairm	Fig Grape,	Scarce	Western Anatolia
<i>Purpuricenus budensis</i> Goetz.	Grape	Scarce	Western Anatolia
<i>P. kaehlerii</i> L.	Chestnut	Minor	Istanbul (Polonez K.)
<i>Rhopalopus clavipes</i> F.	Chestnut	Minor	Istanbul (Polonez K.)
<i>Trichoferus griseus</i> F.	Fig	Minor	Fig growing areas, Izmir
Syn.: <i>Hesperophanes griseus</i> F.			
<i>Trichoferus affinis</i> Lucas,			
<i>T. fasciculatus</i> Fald.			
<i>Vesperus xatarti</i> Duf.	Grape	Minor	Turkey
Family: <i>Chrysomelidae</i>			
<i>Agelastica alni</i> L.	Hazelnut	Do	Hazelnut producing areas
Syn.: <i>A. violacea</i> Lach.			
<i>Bromius obscurus</i> L.	Grape	Minor	Central Anatolia, Aegean region, Amasya
Syn.: <i>Adoxus obscurus</i> L.			
<i>A. vitis</i> F.			
<i>Clytra novempunctata</i> Ol.	Grape	Scarce	Malatya
<i>Cryptocephalus conexus</i> Ol.	Grape	Scarce	Turkey
<i>C. sugicollis</i> Ol.	Grape	Scarce	Turkey
<i>Fidia viticida</i> Walsh.	Grape	Minor	Turkey
<i>Galeruca circumdata</i> Duff.	Grape	Scarce	Denizli
Syn.: <i>Adimonia circumdata</i> Duff.			
<i>Galerucella lineola</i> Fr.	Hazelnut	Do	Blacksea Region
<i>Gynandrophthalma limbata</i> Stev.	Fruit	Minor	Turkey
<i>G. viridana</i> Lac.	Fruit	Minor	Southern Anatolia
<i>Haltica bicarinata</i> L.	Hazelnut	Do	Blacksea Region
<i>H. quercetorum</i> Fourd.	Hazelnut	Do	Ordu, Trabzon

Species	Host Plants	Status	Distribution
Syn.: <i>Haltica erucea</i> Ol.			
<i>Labidostomis pallidipennis</i> Geb.	Stone fruit	Scarce	Turkey
<i>L. propinqua</i> Fald.	Stone fruit, grape	Minor	Central Anatolia, Aegean region
<i>Luperus altaicus</i> Mannh.	Apricot	Scarce	Ankara, Kars
<i>Luperus</i> sp.	Almond, Pear	Scarce	Ankara, Isparta
<i>Podagrica saracena</i> Rche.	Apricot	Scarce	Ankara
Family: Cucujidae			
<i>Oryzaephilus surinamensis</i> L.	Stored pest (raisin, fig, dried fruit)	Do	Turkey
Syn.: <i>Silvanus surinamensis</i> L.			
Family: Curculionidae			
<i>Anoplus plantaris</i> Naezen	Hazelnut	Minor	Turkey
<i>Anthonomus amygdali</i> Hustache	Almond	Minor	Istanbul, Ankara
Syn.: <i>A. oranatus</i> Reiche			
<i>A. gentilis</i> Fab.	Almond	Minor	Ankara
<i>A. ornatoides</i> Reitt.	Almond	Minor	Ankara (Dikmen, Hacıkadın Deresi), Kayseri (Talas)
<i>A. pomorum</i> L.	Apple, Pear	Do	Turkey
Syn.: <i>A. incurvus</i> Steph.			
<i>A. pyri</i> Redt.			
<i>A. pyri</i> Kollar	Pear	Do	Istanbul (Erenköy)
Syn.: <i>Anthonomus ciuctus</i> Redt.			
<i>A. rubi</i> Herbst	Strawberry	Minor	Ankara
Syn.: <i>A. clavatus</i> Marsh.			
<i>A. signatus</i> Say.	Strawberry	Minor	Turkey
<i>Apion lodosi</i> Hofm.	Hazelnut	Minor	Ankara (Hacıkadın Deresi)
Syn.: <i>Catapion lodosi</i> Hofm.			
<i>A. semivittatum</i> Gyll.	Hazelnut	Minor	Hazelnut growing areas
<i>Balaninus elephas</i> Gyll.	Chestnut	Minor	Turkey

Species	Host Plants	Status	Distribution
Syn.: <i>Balaninus mastodon</i> Jekel <i>Curculio elephas</i> Gyll. <i>B. nucum</i> L.	Hazelnut	Major	Hazelnut producing areas, Black sea region
Syn.: <i>Curculio nucum</i> L. <i>Chlorophanus gibbosus</i> Payk.	Peach and (Elaeagnus)	Scarce	Ankara (Nallıhan)
Syn.: <i>C. polinosus</i> F. <i>Epiphaneus malachiticus</i> Boh.	Apple	Minor	Samsun
<i>Lixus</i> sp.	Grape	Minor	Nevşehir
<i>Magdalis ruficornis</i> L.	Fruit (in nurseries)	Minor	Turkey
Syn.: <i>M. pruni</i> L. <i>Megamecus albomarginatus</i> Gyll.	Grape	Scarce	Izmir
<i>M. shevketi</i> M.	Grape	Do	Izmir (Menemen), Aegean Region
<i>Otiorrhynchus asphaltinus</i> Germ. Syn.: <i>Dorymerus asphaltinus</i> Germ.	Vignobles	Found	Turkey
<i>Otiorrhynchus tauricus</i> Stev.			
<i>O. (s. str.) balcanicus</i> Stierl.	Fruit trees	Do	Ankara, Samsun, Tokat
<i>Otiorrhynchus carceli</i> Gyll.	Grape	Minor	Istanbul, Anatolia
<i>O. clavipes</i> Bousd.	Olive	Do	Olive growing areas
<i>O. cribricollis</i> Gyll.	Olive	Do	Olive growing areas
Syn.: <i>Arammichnus cribricollis</i> Gyll., <i>Otiorrhynchus terrestris</i> Marsuel			
<i>O. graecus</i> Stierl.	Grape	Minor	Turkey
Syn.: <i>Dorymerus graecus</i> Stierl. <i>O. ligustici</i> L.	Grape	Scarce	Marmara region
Syn.: <i>Arammichnus ligustici</i> L., <i>Brachyrhinus ligustici</i> L., <i>Otiorrhynchus collaris</i> F., <i>O. subrotundatus</i> Stierl.			
<i>O. lodosi</i> Hoffm.	Apricot	Minor	Kayseri (Talas)
Syn.: <i>Tourniera lodosi</i> Hoffm. <i>O. meridionalis</i> Gyll.	Apricot, prune	Minor	Eskişehir

Species	Host Plants	Status	Distribution
<i>Otiorrhynchus peregrinus</i> Stier.	Grape	Minor	Istanbul, İzmit (Geyve), Tokat (Turhal), Amasya
Syn.: <i>Dorymerus peregrinus</i> Stier. <i>O. sabulosus</i> Gyll.	Olive	Minor	Turkey
Syn.: <i>Urorrhynchus sabulosus</i> Gyll. <i>O. scitus</i> Gyll.	Grape	Do	Istanbul and Western Anatolia
Syn.: <i>Dorymerus scitus</i> Gyll. <i>O. simulans</i> Stierl.	Strawberry	Major	Samsun, Trabzon
Syn. <i>Dorymerus simulans</i> Stierl. <i>Otiorrhynchus gracilicornis</i> Stierl.	Olive	Do	Olive growing areas
<i>O. sulcatus</i> F.	↓	↓	↓
Syn.: <i>Dorymerus sulcatus</i> F. <i>Otiorrhynchus linearis</i> Stierl.			
<i>O. turca</i> Boh.	Apple, Pear, Plum etc.	Do	Istanbul, North - West and Central Anatolia
Syn.: <i>Dorymerus turca</i> Boh. <i>Nepodistus turca</i> Boh.			
<i>Pholicodes virescens</i> Faust.	Apple	Minor	Samsun
<i>Phyllobius argentatus</i> L.	Apple, Cherry, Peach, Pear, Plum	Do	Marmara Region (Edirne, Kocaeli, Sakarya)
<i>P. bétulae</i> F.	Olive	Do	Turkey, Olive growing areas
Syn.: <i>P. etruscus</i> Destr.			
<i>P. canus</i> Gyll.	Apple, Cherry, Grape, Pear, Peach, Plum	Minor	Marmara Region, (Edirne, Kocaeli, Sakarya)
<i>P. fulvago</i> Stierl.	Apple, Grape, Pear, Plum	Minor	Turkey
<i>P. pyricola</i> Kies.	Apple, Grape, Pear, Plum	Minor	Turkey
<i>Polydrosus impressifrons</i> Gyll.	Peach	Do	Bursa, Edirne, Istanbul
Syn.: <i>P. angustipennis</i> Stierl. <i>P. hispanicus</i> Desbr.			
<i>P. ponticus</i> Faust.	Apple, Apricot, Chery, Pear, peach, Plum, Quince	Do	Ankara, Kayseri, Kütahya, Bolu, Mersin (Mut), Sivas

Species	Host Plants	Status	Distribution
Syn.: <i>Polydrosus delagrangei</i> Desbr., <i>P. pseudocervinus</i> Desbr.			
<i>P. pterygomalis</i> Boh.	Hazelnut, Elaeagnus	Minor	Kütahya, Bolu, Ankara, Sivas
Syn.: <i>P. mixtus</i> Stierl., <i>Tylodrosus pterygomalis</i> Boh.			
<i>Polydrosus</i> sp.	Hazelnut	Do	Black sea region
<i>Psolidium sculpturatum</i> Boh.	Grape	Minor	Kocaeli
<i>Pseudocoeliodes rubricus</i> Gyll.	Pistachio	Minor	Gaziantep, Adana
Syn.: <i>Coeliodes rubricus</i> Gyll. <i>Rhamphus pulicarius</i> Herbs.	Apple, Cherry	Do	Istanbul (Erenköy)
Syn.: <i>R. flavicornis</i> Clairv. <i>Sitona crinitus</i> Herbst.	Peach	Do	Marмара Region
<i>S. hispidulus</i> F.	Pear	Minor	Malatya
Syn.: <i>S. haemorrhoidalis</i> Gyll. <i>S. hirtus</i> Gmel.			
<i>Stereonychus fraxini</i> De Geer	Olive	Minor	Anatolia
Syn.: <i>Cionus fraxini</i> De Geer <i>Stereonychus rectangulus</i> Herbst.			
<i>Tanymercus dilaticollis</i> Gyll.	Almond, Apple, Grape, Peach	Do	İzmit (Sapanca, Meşukiye), Ankara, Bolu
Syn.: <i>T. vittiger</i> Gyll. <i>T. palliatus</i> F.	Grape	Minor	Turkey
Syn.: <i>T. graminicola</i> Ol. <i>T. revelieri</i> Tourm.			
Family: Nitidulidae <i>Carpophilus hemipterus</i> L.	Fig	Do	Anatolia
<i>Carpophilus</i> sp.	Fig, Fruit, Pomegranate	Do	Aegean Region
Family: Platypodidae <i>Platypus cylindrus</i> Fabr.	Chestnut	Do	Anatolia
Syn.: <i>P. bimaculatus</i> Duft. <i>P. cylindriformis</i> Reitt.			
Family: Scarabaeidae <i>Amphimallon caucasicus</i> Gyll.	Fruit trees	Do	Aegean Region, Denizli

Species	Host Plants	Status	Distribution
Syn.: <i>Amphimallon vernalis</i> Brullé, <i>Rhizotrogus caucasicus</i> Gyll.			
<i>Anomala dubia</i> Scop.	Grape, Stone fruit	Do	Turkey
Syn.: <i>A. aenea</i> Degeer, <i>A. frischi</i> F.			
<i>A. osmanlis</i> Bl.	Grape, Stone fruit	Do	Turkey
<i>A. osmanlis cuprea</i>	Grape		Turkey
<i>A. osmanlis pallestens</i>	Grape		Turkey
<i>A. osmanlis violacea</i>	Grape		Turkey
<i>Anomala</i> sp.	Hazelnut	Minor	Blacksea Region
<i>Anoxia maculiventris</i>	Peach	Found	Marmara Region
<i>A. meridionalis</i> Reitt.	Peach, fruit	Do	Edirne
<i>A. orientalis</i> Kryn.	Grape, fruit	Do	Turkey
<i>A. villosa</i> Fabr.	Grape, fruit	Do	Mediterranean Region
Syn.: <i>A. cerealis</i> Scopoli <i>A. glauca</i> Gmelin <i>A. pilosa</i> Mulsant.			
<i>Cetonia aurata</i> L.	Apple, fruit	Do	Marmara, Aegean and Black sea Regions
Syn.: <i>C. nobilis</i> Schrank. <i>C. aurata</i> v. <i>praeclara</i> Muls.		Scarce	Turkey
<i>Epicometis hirta</i> Poda.	Fruit trees, Grape	Do	Turkey
Syn.: <i>E. hirtella</i> L. <i>Tropinata hirta</i> Poda			
<i>Lethrus apterus</i> Laxm.	Grape	Minor	Western Anatolia
Syn.: <i>L. cephalotes</i> Pall. <i>L. podolicus</i> Fisch.			
<i>Melolontha albida</i> Gastelnau	Grape, Hazelnut	Do	Aegean Region and Northern Anatolia
Syn.: <i>M. aceris</i> Erichson <i>M. pectoralis</i> Germ. <i>M. rhenana</i> Bach. <i>M. rufithorax</i> Kraatz			

Species	Host Plants	Status	Distribution
<i>Melolontha melolontha</i> L. Syn.: <i>M. vulgaris</i> F., <i>Hoplosternus melolontha</i> L., <i>Scarabaeus majalis</i> Moll.	Hazelnut	Major	Northern Anatolia
<i>Oryctes nasicornis</i> L. Syn.: <i>O. grypus</i> Illig.	Apricot, Fig, Grape	Do	Turkey
<i>Oxythyrea cinctella</i> Schaum. <i>Oxythyrea funesta</i> Poda Syn.: <i>O. funeraria</i> Fourcroy, <i>O. stictica</i> L.	Grape, fruit Grape, Fruit	Minor Do	Turkey Black sea region
<i>Pentodon bispinosus</i> Küst. Syn.: <i>P. bispinulosus</i> Reitter, <i>P. dispar</i> Baudi <i>P. idiota</i> Herbest Syn.: <i>Pentodon monodon</i> Fabr. <i>P. idiota</i> v' <i>ottomanus</i> Reitt. <i>P. punctatus</i> Vill. Syn.: <i>P. monodon</i> Duft., <i>P. punctulatus</i> Rossi	Grape Grape ? Grape	Minor Do ? Do	Turkey Aegean region Turkey Ankara
<i>Phyllognatus excavatus</i> Forst. Syn.: <i>P. silenus</i> Fab.	Grape, fig	Do	Mediterranean Region
<i>Phyllopertha horticola</i> L. Syn.: <i>P. cyanocephala</i> Muls. <i>P. lincolata</i> Fisch. <i>P. lineata</i> Fabr. Syn.: <i>Blitopertha lineata</i> Reitt.	Grape (<i>Elaeagnus</i>), Grape Grape	Do Minor Minor	Turkey Aegean region, Trabzon Turkey
<i>Polyphylla adspersa</i> Motsch. <i>P. fullo</i> L. Syn.: <i>P. boryi</i> Brullé <i>P. fullo</i> ssp. <i>tuerkmenoglu</i> Petr. <i>P. olivieri</i> Cast.	Grape, Fruit Fig, Fruit Hazelnut, Grape, Fruit Grape Fruit	Minor Major Major Major	Turkey Turkey Western Anatolia Central Anatolia

Species	Host Plants	Status	Distribution
Syn.: <i>Polyphylla abchasica</i> Motschulsky, <i>P. boryi</i> Brenske, <i>P. caucasica</i> Heyden, <i>P. fullo</i> Burmeister <i>Potosia aeruginosa</i> Drury	Apple, Cherry Pear, Plume	Do	Marmara, Aegean, Black Sea Regions and Southern Anatolia
Syn.: <i>Cetonischema aeruginosa</i> Drury, <i>Potosia fastuosa</i> F., <i>P. speciosissima</i> Scop. <i>P. afflicata</i> G. <i>P. cuprea</i> F.	Grape Grape, Apple, Pear Cherry	Minor Do	Western Anatolia Marmara, Aegean, Black sea regions
Syn.: <i>P. floricola</i> Herbst. <i>Potosia hungarica</i> Herbst.	Grape	Do	Turkey
Syn.: <i>P. viridis</i> F. <i>Rhizotrogus aequinoctialis</i> Herbst.	Fruit	Minor	Istanbul
Syn.: <i>Miltotrogus aequinoctialis</i> Herst., <i>Rhizotrogus grandicornis</i> Ballion, <i>R. pilicolis</i> Kryn. <i>R. aestivus</i> Oliv.	?	Found	Turkey
Syn.: <i>R. bimaculata</i> Herbst., <i>R. gracilis</i> Froch, <i>R. inanis</i> Brahm, <i>R. rivaldski</i> M. <i>R. vernus</i> Germ.	Grape Grape, Fruit	Minor Minor	Turkey Turkey
Syn.: <i>Miltotrogus vernus</i> Germ. Family: Scolytidae <i>Anisandrus dispar</i> F.	Apple, Cherry, Chestnut Hazelnut,	Do	Turkey
Syn.: <i>Xyleborus dispar</i> F. <i>Chaetoptelius vestitus</i> Muls. and Rey.	Pistachio, Olive	Do	Anatolia

Species	Host Plants	Status	Distribution
Syn.: <i>Hylesinus vestitus</i> Muls, and Rey. <i>Pteleobius vestitus</i> Muls, and Rey.			
<i>Dryocoetinus minor</i> Egg.	Chestnut	Minor	Izmit, Trabzon
Syn.: <i>D. sardus</i> Stormayer <i>D. villosus</i> F.	Chestnut	Minor	Black sea Region
Syn.: <i>D. villosus</i> v. <i>startoni</i> Reitt. <i>Estenoborus perrisi</i> Chap.	Pistachio, Olive	Do	Mersin, Konya (Karaman)
Syn.: <i>Carphoborus perrisi</i> Chap. <i>Hylesinus oleiperda</i> Fabr.	Olive	Minor	Marmara, Mediterranean, and Aegean Region
<i>Hypoborus ficus</i> Eruchs	Fig	Minor	Fig growing areas
<i>Leperesinus fraxini</i> Panz.	Olive	Do	Anatolia
Syn.: <i>Hylesinus fraxini</i> Panz. <i>Leperesinus varius</i> F. <i>L. melanocephalus</i> F.			
<i>Lymantor coryli</i> Perr.	Hazelnut	Minor	East - Blacksea Region, Giresun
Syn.: <i>Dryocoetes coryli</i> Perr. <i>Phloeophthorus brevicollis</i> Kol.	Olive	Minor	Bursa
<i>Phloeosinus armatus</i> Reitt.	Almond (<i>Prunus amygdali</i> var. <i>Amora</i>)	Minor	Marmara Region
Syn.: <i>P. andresi</i> Eggers <i>Phloeotribus scarabaeoides</i> Bern.	Olive	Do	Olive growing areas
Syn.: <i>P. oleae</i> Fab. <i>Scolytus amygdali</i> Guer.	Almond, Apple, Peach	Do (Sometimes major on Almond)	Turkey
Syn.: <i>S. anatolicus</i> Egger <i>S. aegyptiacus</i> Pic. <i>S. mali</i> Besch.	Almond, Apple, Apricot, Pear	Do	Central Anatolia, Marmara and Black sea Region

Species	Host Plants	Status	Distribution
Syn.: <i>Scolytus pruni</i> Ratz.			
<i>S. castaneus</i> Ratz.			
<i>S. nitidulus</i> Chap.			
<i>S. mediterraneus</i> Eggers	Apricot, Cherry	Minor	Adana
<i>S. rugulosus</i> Müll.	Almond, apple, Apricot, pear etc.	Do	Anatolia
<i>S. rugulosus</i> ssp. <i>samarcandicus</i> Butov.	Almond, Apricot, Peach	Minor	Amasya, Bursa, Denizli (Acipayam)
<i>Taphrorychus hirtellus</i> Eichhoff.	Chestnut, Hazelnut	Minor	Sinop, Trabzon
<i>T. ramicola</i> Reitt.	Hazelnut	Minor	Trabzon
<i>Xyleborus dryographus</i> Ratz.	Chestnut	Minor	Bursa, Trabzon
<i>X. monographus</i> Fabr.	Chestnut	Minor	Bursa
<i>X. saxeseni</i> Ratz.	Chestnut	Minor	Turkey
<i>X. xylographus</i> Say.	Apricot, Cherry, Fig, Hazelnut	Minor	Amasya, Mersin
<i>Xylocleptes bispinus</i> Duftschmidt.	Pear, Walnut		
Syn.: <i>X. retusus</i> Ol.	Grape	Minor	Bursa
Family: <i>Tenebrionidae</i>			
<i>Cylindronotus</i> sp.	Hazelnut	Do	Blacksea Region
<i>Gonocephalum rusticum</i> Ol.	Grape	Do	Western Anatolia
<i>Opatroides punctatus</i> Brull.	Grape	Minor	Western Anatolia
<i>Opatrum verrucosum</i> Germ.	Grape	Do	Western Anatolia
ORDER : D I P T E R A			
Family: <i>Cecidomyiidae</i>			
<i>Apiomyia bergestammii</i> Wachtl.	Pear	Minor	Istanbul (Bilyükdere)
Syn.: <i>Oligotrophus bergestammii</i> Wachtl.			
<i>Asphondylia gennadii</i> Marchall	(<i>Ceratonia siliqua</i>)	Minor	Antalya

Species	Host Plants	Status	Distribution
Syn.: <i>Cecidomyia ceratoniae</i> Bevan, <i>Eumarchalia gennadii</i> Marchall <i>Cecidomyia oleae</i> F.L.	Olive	Minor	Aegean region, Antalya, Hatay
Syn.: <i>Perrisia oleae</i> F.L. <i>Clinodiplosis oleisuga</i> Targ.	Olive	Do	Southern and Western Anatolia
<i>Contarinia pyrivora</i> Riley	Pear	Minor	Ankara
<i>Dasineura</i> sp.	Plum	Do	Sakarya
<i>Lasioptera berlesiana</i>	Olive	Do	Aegean region
<i>Mikomyia coryli</i> Kieffer	Hazelnut	Do	Black Sea Region
Syn.: <i>Prolasioptera berlesiana</i> Paoli <i>Odinadiplosis amygdali</i> Anagnos	Almond	Minor	Izmir
Syn.: <i>Cecidomyia amygdali</i> An.			
Family: <i>Drosophilidae</i>			
<i>Drosophila funebris</i> Fabr.	Fig, Grapes	Secunder pest	Aegean Region
<i>D. melanogaster</i> Meigen	Fig, and other Fruit	Secunder pest	Aegean Region etc.
Syn.: <i>D. ampelophila</i> fruit Loew. <i>D. nigriventris</i> Zett. <i>D. uvarum</i> Rondani			
Family: <i>Lonchaeidae</i>			
<i>Lonchaea aristella</i> Beck.	Fig	Do	Aegean Region
Syn.: <i>Silba virescens</i> Macq.			
Family: <i>Trypetidae</i>			
<i>Ceratitis capitata</i> Wied.	Apricot, Peach, Pear, etc.	Do (Major pest for citrus)	Central, Southern and Western Anatolia
Syn.: <i>C. asparagi</i> Bezzi <i>C. citriperda</i> Mc Leay <i>C. hispanica</i> De Brême			
<i>Dacus oleae</i> Rossi	Olive	Major	Olive growing areas. (Aegean, Black sea and Marmara regions)

Species	Host Plants	Status	Distribution
Rhagoletis cerasi L. Syn.: Ceroxys scutellata Pandellé Trypeta signata Meigen Urophora cerasorum Dufour.	Cherry	Major	Turkey
ORDER: H E T E R O P T E R A (HEMIPTERA)			
Family: C a p s i d a e (Miridae)			
Calocoris rubrinervis H.S.	Olive	Do	Aegean region
Lygus pratensis L.	Olive, Grape	Minor	Aegean region
Tuponia elegans Jakowler	Grape	Do	Mersin, Tarsus
Family: C y d n i d a e			
Sehirus coerulans	Grape	Scare	Ankara (Bala)
Family: L y g a e i d a e			
Lygaeus pandurus Scop.	Fruit trees	Minor	Turkey
Family: M i r i d a e			
Glaucopterum kareli Nov. spec.	Elaeagnus orientalis	Scare	Ankara
Family: P e n t a t o m i d a e			
Apodiphus amygdali Germ.	Almond, Pistachio	Minor	Istanbul
Dolycoris baccarum L.	Fruit Hazelnut and Berries	Minor	Turkey
Nezara viridula L.	Hazelnut	Do	Black Sea Region
Palomena prasina L.	Hazelnut	Do	Giresun, Ordu, Trabzon
Family: T i n g i d a e			
Monostira unicostata Muls and Rey.	Almond, Pear	Minor	Turkey
Stephanitis pyri Fabr.	Apple, Pear, Quince	Major	Central Anatolia, Marmara region, and other areas.
Syn: Acanthia pyri F. Tingis pyri F.			
ORDER: H O M O P T E R A			
Family: A l e y r o d i d a e			
Aleyrodes olivinus Silv.	Olive	Minor	Aegean Region

Species	Host Plants	Status	Distribution
<i>Trialeurodes vaporariorum</i> (Westwood) Family: Aphididae ¹⁾	Grape	Scarce	Turkey
<i>Anuraphis persicae</i> Fonse	Almond, Peach, Plum	Do	Peach and Plum Producing areas
<i>A. subterranea</i> (Walker)	Pear	Scarce	Burdur
<i>Aphis kochi</i> Schout.	Apple, Pear	Do	Ankara
Syn.: <i>Anuraphis farfarae</i> Koch, <i>A. pyriella</i> Theobald, <i>Aphis farfarae</i> Koch, <i>A. pyri</i> Koch non Boyer, <i>A. vacillans</i> Walker			
<i>A. pomi</i> DeGeer	Apple, Pear etc.	Major	Central Anatolia and other apple and pear producing areas.
Syn.: <i>A. crataegaria</i> Buckton, <i>A. mali</i> F. <i>A. oxyacanthae</i> Schrank <i>A. padi</i> Sanderson			
<i>A. punicae</i> Passerini	Pomegranate	Minor	Antalya, Elâzığ
Syn.: <i>A. durantae</i> Theobald <i>A. punicella</i> Theobald			
<i>A. rumicis</i> L.	Grape	Minor	Aegean region
<i>Aploneura lentisci</i> Pass.	Pistacia sp.	Minor	Istanbul
<i>Brachycaudus amygdalinus</i> Schout.	Almond	Minor	Ankara, Isparta
<i>B. persicaecola</i> (Boisduval)	Peach	Minor	Samsun

1) Aphidoidea : (Aphididae, Calipteridae, Eriosomatidae, Lachnidae; Chermesidae;
Phylloxeridae)

Species	Host Plants	Status	Distribution
<i>Brachycaudus prunicola</i> ssp. <i>schwarzi</i> (Börner)	Peach	Minor	Istanbul
<i>Callipterus juglandicola</i> Koch. Syn.: <i>Aphis juglandicola</i> Walker, <i>Calliptera juglandicola</i> Pass. <i>Chromaphis juglandicola</i> Kalt., <i>Lachnus juglandicola</i> Kalt., <i>Pterocallis juglandicola</i> Buckton	Walnut	Minor	Turkey
<i>C. juglandis</i> Frisch, Syn.: <i>Aphis juglandis</i> Frisch and Goetze, <i>Callipterus juglandis</i> Koch, <i>Lachnus juglandis</i> Kalt., <i>Panaphis juglandis</i> Kirkaldy (etc.)	Walnut	Minor	Turkey
<i>Capitophorus gillettei</i> Theobald, Syn.: <i>Aphis hipophaes</i> Walker, <i>Myzus elaeagni</i> Davis, <i>Rhopalosiphum hippophaes</i> Koch	(Elaeagnus)	Minor	Bitlis, Elâzığ
<i>C. similis</i> van Der Goot	(Elaeagnus)	Minor	Bolu, Bitlis (Tatvan), Konya (Beyşehir)
<i>Corylobium avellanae</i> (Schrank) Syn.: <i>Aphis avellanae</i> Schrank, <i>A. coryli</i> Mosley, <i>Capitophorus avellanae</i> Schrank	Hazelnut	Do	Hazelnut producing areas
<i>Dysaphis devecta</i> (Walker)	Apple	Minor	Malatya
<i>D. plantaginea</i> Pass.	Apple	Minor	Turkey
<i>D. pyri</i> Boyer De Fonscolombe	Pear	Minor	Ankara, Isparta, Konya, Niğde
<i>Eriosoma lanigerum</i> (Hausmann) Syn.: <i>Aphis lanigerum</i> Hausmann, <i>Coccus mali</i> Leach, Samouelle, <i>Eriosoma pyri</i> Riley,	Apple	Do	Turkey

Species	Host Plants	Status	Distribution
<i>Myzoxylus mali</i> Blot, <i>Schizoneura lanigerum</i> Hartig, <i>S. ulmi</i> Woodworth			
<i>Forda cornicularis</i> Pass. Syn.: <i>Baizongia pistaciae</i> F., <i>Pemphigus cornicularius</i> Pass.	Pistachio	Minor	Istanbul, Konya (Karaman)
<i>F. derbesi</i> Licht. Syn.: <i>Pemphigus derbesi</i> Licht.	Pistachio	Minor	Istanbul
<i>F. follicularia</i> Pass. Syn.: <i>Pemphigus follicularia</i> Pass.	Pistachio	Minor	Istanbul
<i>F. formicaria</i> Heyden <i>F. riccobonii</i> Steph. Syn.: <i>Pemphigus riccobonii</i> Steph.	Pistachio Pistachio	Minor Do	Turkey Istanbul, Mugla, (Milas)
<i>F. semilunaris</i> Pass. Syn.: <i>Pemphigus semilunaris</i> Pass.	Pistachio	Minor	Istanbul, Konya (Karaman)
<i>F. trivialis</i> Pass. <i>F. urticularis</i> Pass. Syn.: <i>Pemphigus urticularis</i> Pass,	Pistachio Pistachio	Minor Minor	Turkey Istanbul
<i>Geoica setulosa</i> Pass. <i>G. tricularia</i> Pass.	Pistachio Pistachio	Minor Minor	Isparta (Egridir) Turkey
<i>Hyalopterus arundinis</i> (Fab.) ;Syn.: <i>Aphis arundinis</i> Fabr., <i>A. calamaphis</i> Amyot, <i>A. pruni</i> Fabr., <i>A. prunifex</i> Amyot, etc.	Almond, Apricot Peach, Plum	Do	Central Anatolia, Marmara Region, etc.
<i>Myzocallis coryli</i> (Goetze) Syn.: <i>Aphis coryli</i> Goetze <i>Callipterus coryli</i> Koch. <i>Myzocallis coryli</i> Davis	Hazelnut	Minor	Black Sea Region

Species	Host Plants	Status	Distribution
<i>Myzus cerasi</i> Fabr.	Almond, Apricot Cherry, Peach, Plum	Do	Istanbul, Ankara, etc.
Syn.: <i>Aphis aparines</i> Kalt., <i>A. asperulae</i> Walk, <i>A. cerasi</i> F., <i>A. molluginis</i> Koch., etc.			
<i>Myzus persicae</i> (Sulzer)	Cherry	Do	Turkey
Syn.: <i>A. persicae</i> Sulzer, <i>A. persicae</i> Pass., <i>Myzus persicae</i> Pass. (etc.)			
<i>Ovatus insitus</i> walker	Apple, Quince	Minor	Ankara, Niğde
<i>Phylloxera vitifolii</i> Fitch	Grape	Major	Central and Western Anatolia, Marmara Region and other areas.
Syn.: <i>Pemphigus vitifoliae</i> Fitch, <i>Viteus vitifolii</i> Fitch			
<i>Piraphis pirivorus</i> Ferr.	Pear	Do	Ankara
<i>Prociphilus oleae</i> Koroneos	Olive	Minor	Adana
<i>Pterochloroides persicae</i> Cholod.	Almond, Cherry, Peach	Do	Ankara, Diyarbakır, Denizli, Mediterranean region.
Syn.: <i>Lachnus persicae</i> Cholod.			
<i>Rectinasus buxtoni</i> ? Theobald	Pistachio	Minor	İzmir
<i>Rhopalosiphum insertum</i> Walker	Apple	Minor	Ankara, Bitlis (Tatvan)
<i>R. nymphaeae</i> Linne	Cherry, Plum	Minor	Bitlis (Tatvan)
<i>R. padi</i> (Linne)	Prunus	Minor	Ankara
<i>Rhopalosiphum</i> spp.	Cherry	Found	Turkey
<i>Sappaphis crataegi</i> Kalt.	Apple	Scarce	Turkey
Syn.: <i>Yezabura crataegi</i> Kalt.			
<i>S. mali</i> (Ferrari)	Apple, Pear	Do	Aegean Region, Ankara
Syn.: <i>Dentatus malicola</i> Mordv., <i>Myzus mali</i> Ferrari,			

Species	Host Plants	Status	Distribution
<i>Yezabura mallicola</i> Mordv. etc. <i>S. sorbi</i> Kalt. Syn.: <i>Anuraphis sorbi</i> Kal., <i>Aphis sorbi</i> Kalt., <i>Yezabura sorbi</i> Kalt. etc.	Apple.	Minor	Ankara
C I C A D O I D E A			
Family: C e r c o p i d a e			
<i>Ptyelus spumarius</i> L. Syn.: <i>Philaenus spumarius</i> L., <i>Aphrophora salicis</i> F., <i>A. spumari</i> L.	Grape, Quince, Pear	Scarce	Around Istanbul
Family: C i c a d i d a e			
<i>Cicada orni</i> L.	Grape, Olive	Do	Aegean region and other areas
<i>C. plebeja</i> Scop.	Grape, Olive, Mulberry	Do	Western and Eastern Anatolia
<i>Cicadatra atra</i> Muls.	Almond, Apple, Pear, Plum, Grape	Do	Central, Eastern and Western Anatolia
<i>C. glycirrhysae</i> Koll.	Grape	Do	Eastern South - East, and Western Anatolia
<i>Chloropsalta viridissima</i> Walker Syn.: <i>C. smaragdula</i> Haupt.	Grape	Do	Gaziantep
<i>Melampsalta</i> sp.	Fig	Minor	Turkey
Family: F u l g o r i d a e			
<i>Hysteropterum grylloides</i> F.	Grape, Fig, Prunus spp. Mulberry, Olive	Do	Central and Western Anatolia
Family: J a s s i d a e (Cicadellidae)			
<i>Erythroneura adanae</i> Diabola	Grape	Do	Central and South - East Anatolia

Species	Host Plants	Status	Distribution
<i>Idiocerus alkani</i> Wag.	Pistachio	Minor	Turkey
<i>I. stali</i> Fieb.	Pistachio	Do	Gaziantep, Konya (Karaman)
<i>Chlorita flavescens</i> F.	Grape	Minor	Ankara, Konya, Muğla (Milás)
Syn.: <i>C. vitis</i> Goethe.			
Family: Membracidae			
<i>Stictoccephala bubalus</i> Fabr.	Apple, Peach, Pear, Plum	Do	Thrace, Bolu
Syn.: <i>Cerasa bubalus</i> Fabr.			
C O C C O I D E A			
Family: Coccidae (Lecanidae)			
<i>Ceroplastes floridensis</i> Comst.	Prunus sp. Pomegranate	Found	Turkey
<i>Ceroplastes rusci</i> L.	Apricot, Fig, Grape, mulberry etc.	Minor (Major for fig)	Western Anatolia
<i>C. sinensis</i> Del. Guerc.	Pear, Pomegranate, Quince	Do	Eastern Blacksea region
<i>Coccus hesperidum</i> L.	Fig	Do	Eastern Blacksea region
;Syn.: <i>Lecanium hesperidum</i> L.			
<i>Eulecanium tiliae</i> L.	Pistachio, Hazelnut, Walnut	Minor	Ankara
<i>Euphilippia olivina</i> B.	Olive	Minor	Olive producing areas
<i>Parthenolecanium corni</i> Bouché	Almond, Apple, Apricot, Fig, Hazelnut, Peach, Plum, Quince, Vitis.	Major	Turkey
Syn.: <i>Eulecanium corni</i> Bché			
<i>E. coryli</i> L.,			
<i>Lecanium corni</i> Bché.			
<i>L. coryli</i> L. (etc.)			
<i>Philippia oleae</i> Costa	Olive	Minor	Olive producing areas
<i>Pollinia pollini</i> Costa	Olive	Minor	Olive producing areas
<i>Pulvinaria pistaciae</i> Bodenheimer	Pistachio	Minor	Gaziantep

Species	Host Plants	Status	Distribution
<i>Pulvinaria vitis</i> T.	Grape	Scarce	Western Anatolia, Çorum, Isparta
<i>Saissetia oleae</i> (Bern)	Fig, Olive	Major	Western and Northern Anatolia
Syn.: <i>Coccus oleae</i> (Bern), <i>Lecanium oleae</i> Bern.			
<i>Sphaerolecanium prunastri</i> Fonsc.	Apricot, Cherry, Peach, Plum,	Minor	Central Anatolia
Family: <i>Dactylopiidae</i> (<i>Ericoccidae</i> , <i>Kermidae</i>)			
<i>Eriococcus spurius</i> (Modeer)	Hazelnut	Found	Turkey
Syn.: <i>Coccus ulmi</i> L., <i>C. spurius</i> Modeer, <i>Gossiparia ulmi</i> Sign., <i>G. spuria</i> Geoffroy			
Family: <i>Diaspididae</i> <i>Aonidiella aurantii</i> Maskel	Oleae, Vitis	Minor (Major for citrus)	Aegean Region
Syn.: <i>Aspidiotus aurantii</i> Maskel <i>A. citri</i> Comstock, <i>A. coccineus</i> Gennadius, <i>A. gennadii</i> Targioni, <i>Chrysomphalus aurantii</i> Maskel			
<i>Aspidiotus britannicus</i> Newst.	Olive, Pistachio, (<i>Ceratonia sillqua</i>)	Minor	Adana, Aegean region, Antalya
Syn.: <i>Dynaspidiotus britannicus</i> Newst. <i>A. hederæ</i> Vallot	Olive, Grape, Mulberry	Minor	Aegean Region, Antalya

Species	Host Plants	Status	Distribution
Syn.: <i>Aspidiotus ceratoniae</i> Signoret, <i>A. nerii</i> Bouché, <i>A. oleae</i> Colvée, <i>Chermes hederæ</i> Vallot			
<i>Chrysomphalus dictyospermi</i> Morgan Syn.: <i>Aspidiotus agrumicola</i> Gregorio, <i>A. dictyospermi</i> Morgan, <i>A. mangiferae</i> Cockerell; <i>Chrysomphalus minor</i> Berlese et Leonardi, etc.	Fig, Grape, Olive	Minor	Aegean Region
<i>Chrysomphalus pinnulifer</i> Maskell <i>Diaspis syriaca</i> Lindinger <i>Epidiaspis betulæ</i> Bärensprung	Fig Pistachio Apple, Pear, (<i>Elaeagnus</i>)	Minor Minor Do	Aegean region Antalya, Gaziantep Central, Northern and Western Anatolia
Syn.: <i>Aspidiotus betulæ</i> Bärensprung, <i>A. pyricola</i> Del Guercio, <i>Diaspis leperii</i> Signoret, <i>D. pyri</i> Signoret, <i>Epidiaspis leperii</i> Signoret, etc. <i>E. gennadii</i> Leonardi	Pistachio	Minor	Gaziantep, Bolu, Konya (Ereğli)
Syn.: <i>E. gennadiosi</i> Lindinger <i>Forbesaspis anatolica</i> n. s.p. Boden. <i>Leucaspis pini</i> Hart <i>L. riccae</i> Targioni	Almond Olive Olive	Scarce Scarce Major (Sometimes)	Nigde Izmir (Bornova) Aegean region; Antalya, Gaziantep (Nizip)
Syn.: <i>Chionaspis riccae</i> Targioni, <i>Howardia lobulata</i> Del Guercio, <i>Lepidosaphes riccae</i> Targioni, <i>Leucaspis ephedrae</i> Marchal,			

Species	Host Plants	Status	Distribution
<i>Leucaspis lemmei</i> Balachowsky, <i>Rhopalosapis riccae</i> Targioni			
<i>Melanaspis inopinata</i> Leonardi Syn.: <i>Aonidiella inopinata</i> Leonardi <i>A. robusta</i> Grassi et Berlese, <i>Pelomphalus inopinata</i> Leonardi	Pear	Do	Central and Western Anatolia
<i>Mytilococcus conchiformis</i> Gme. Syn.: <i>Lepidosaphes conchiformis</i> Gme.	Fig	Found	Izmir (Bornova)
<i>M. pistaciae</i> Archangelskaya ;Syn.: <i>Lepidosaphes pistaciae</i> Arch.	Pistachio	Minor	Antalya, Bozü, Gaziantep,
<i>M. ulmi</i> L. Syn.: <i>Coccus ulmi</i> L., <i>Lepidosaphes ulmi</i> L., <i>Mytilaspis pomorum</i> Bouché	Apple, Fig, Pear, Peach, Walnut, etc.	Major	Central, Northern, Southern Anatolia
<i>Nilotaspis halli</i> (Green) Syn.: <i>Cocco-mytilus halli</i> Green, <i>C. zlocistii</i> Bodenheimer, <i>Lepidosaphes halli</i> Green	Almond, Apricot	Minor	Izmir, Niğde
<i>Parlatoria judaica</i> Bodenheimer <i>P. oleae</i> Colvée	Olive Apricot, Almond, Apple, Pear, Olive, etc.	Found Major (Sometimes)	Izmir Marmara Region, Central, Northern, Southern and Western Anatolia
Syn.: <i>Diaspis oleae</i> Colvée <i>Parlatoria affinis</i> Newstead <i>P. calianthina</i> Berlese and Leonardi			
<i>Pseudaulacaspis pentagona</i> Trag.	Apricot, Mulberry, Walnut	Do	Marmara Region in some parts of Central, Southern and Western Anatolia

Species	Host Plants	Status	Distribution
Syn.: <i>Aulacaspis pentagona</i> Targ. <i>Diaspis amygdali</i> Targ. <i>D. pentagona</i> Targ. <i>Sasakiaspis pentagona</i> Targ.			
<i>Quadraspidotus ostreaeformis</i> Curtis	Pear	Minor	Central Anatolia
Syn.: <i>Aspidiotus betulae</i> Bohrensprung. <i>A. hippocastanis</i> Signoret, <i>A. ostreaeformis</i> Curtis, <i>A. tiliae</i> Bouché, etc.			
<i>Quadraspidotus pyri</i> (Licht)	Pear	Minor	Central Anatolia
<i>Q. perniciosus</i> (Comstock)	Almond, Apricot, Apple, Pear, Peach, Quince, Walnut, etc.	Major	Marmara Region
Syn.: <i>Aonidiella perniciosus</i> Comst., <i>Aspidiotus perniciosus</i> Comst., <i>Comstockaspis perniciosus</i> Comst., <i>Diaspidiotus perniciosus</i> Comst.			
<i>Q. zonatus</i> Fraunf.	Pearch	Found	Turkey
Syn.: <i>Aspidiotus zonatus</i> Fraunf.			
<i>Salicicola devatchii</i> Kauss et Balach. <i>Suturaspis pistaciae</i> Lindg.	Pistachio Pistacia	Do Minor	Gaziantep Antakya, Antalya, Gaziantep (Nizip)
Syn.: <i>Leucaspis pistacia</i> Lind. <i>Targionia vitis</i> Signoret	Grape	Minor	Turkey
Syn.: <i>Aspidiotus vitis</i> Signoret <i>Targionia vitis</i> v. <i>arbutus</i> Leonardi <i>T. vitis</i> v. <i>suberi</i> Leonardi			
Family: <i>Margaronidae</i> <i>Monophlebus serratula</i> F.	Olive	Scarce	Aydin (Milas)

Species	Host Plants	Status	Distribution
Syn.: <i>Gueriniella serratulae</i> F. etc.			
Family: Pseudococcidae			
<i>Planococcus citri</i> (Risso)	Fig, Grape, Mulberry	Do (Major for citrus)	Adana, Central Anatolia, and Marmara Region,
Syn.: <i>Coccus citri</i> Boisd., <i>Dactylopius citri</i> (Boisd.), <i>Pseudococcus citri</i> Risso, etc.			
<i>Pseudococcus adonidum</i> (L.)	Fig	Found	Istanbul and Southern Anatolia
Syn.: <i>Coccus adonidum</i> L., <i>Dactylopius adonidum</i> L. <i>Pseudococcus longispinus</i> Targioni- Tozzetti, (etc.)			
P S Y L L O I D E A			
Family: Psyllidae			
<i>Agonoscena targionii</i> Licht.	Pistachio	Do	South - East Anatolia
<i>Euphyllura olivina</i> Costa	Olive	Do	Aegean Region
<i>Homotoma ficus</i> Guer.	Fig	Do	Adana, Fig growing areas.
<i>Psylla mali</i> Schmdg.	Apple	Minor	Turkey
Syn.: <i>P. crataegicola</i> Forst. <i>P. dubia</i> Forst., <i>P. viridissima</i> Scott.			
<i>P. pyricola</i> Forst.	Pear	Do	Central Anatolia and other areas
ORDER: HYMENOPTERA			
Family: Cephidae			
<i>Janus compressus</i> F.	Pear	Do	Ankara, Istanbul, Kocaeli

Species	Host Plants	Status	Distribution
Syn.: <i>Cephus compressus</i> F., <i>C. flaviventris</i> Först., <i>C. luteiventris</i> Costa			
Family: Chalcididae			
<i>Megastigmus pistaciae</i> Walk.	Pistachio	Do	Gaziantep
<i>Syntomaspis druparum</i> Boh.	Apple	Minor	Turkey
Family: Cimbicidae			
<i>Cimbex quadrimaculata</i> Müll.	Almond, Pear	Do (Sometimes major)	Ankara
Family: Cynipidae			
<i>Phylotrypes caricae</i>	Fig	Minor	Fig growing areas
Family: Eurytomidae			
<i>Eurytoma amygdali</i> End.	Almond	Do	Central, South - East Anatolia
<i>E. plotnikovi</i> Nikolskaya	Pistachio	Do	Gaziantep
Family: Formicidae			
<i>Camponotus herculeanus</i> v. <i>ligniperda</i> Latr.	Chestnut	Scarce	Northern Anatolia
<i>Tanaemyremex dichirous</i> F.	Fig	Minor	Fig growing areas
Family: Tenthredinidae			
<i>Caliroa limacina</i> Retz.	Almond, Apple, Apricot, Cherry, Pear, Peach, etc.	Do	Marmara Region, Central Anatolia
Syn.: <i>C. aethiops</i> Evers., <i>C. cerasi</i> Rohwer, <i>Eriocampoides limacina</i> Retz., <i>Selandria limacina</i> Retz.			
<i>Hoplocampa brevis</i> Klug.	Pear	Do	Pear producing areas
<i>H. flava</i> L.	Plum	Do	Turkey
<i>H. minuta</i> Christ.	Plum	Do	Turkey

Species	Host Plants	Status	Distribution
Syn.: <i>Hoplocampa fulvicornis</i> F. <i>H. testudinae</i> Klug.	Apple	Major	Marmara Region and other areas
<i>Neurotoma flaviventris</i> Betz.	Apple, Pear	Do	Marmara Region Ankara, Kütahya, Samsun
Syn.: <i>Neurotoma pyri</i> Schr. Family: <i>Vespidae</i> <i>Polistes gallicus</i> L. Syn.: <i>P. biglumis</i> L., <i>P. diadema</i> Latr., <i>P. geoffroyi</i> Lepeletier	Grape	Do	Western Anatolia
<i>Vespa crabro</i> L.	Cherry, Pear, etc.	Do	Turkey
<i>V. germanica</i> L.	Grape and Fruit	Do	Turkey
<i>V. orientalis</i> F.	Cherry, Pear, etc.	Do	Turkey
ORDER : ISOPTERA			
Family: <i>Rhinotermitidae</i> <i>Reticulitermes lucifucus</i> Rossi	Grape	Minor	Aegean Region, Konya
ORDER : LEPIDOPTERA			
MACROLEPIDOPTERA			
Bombycoidea			
Family: <i>Lasiocampidae</i> <i>Eriogaster catax</i> L. Syn.: <i>Bombyx catax</i> L. <i>Eriogaster everia</i> Knoch. <i>E. lentipes</i> Esp. <i>Gastropacha catax</i> L. <i>E. lanestrus</i> L.	Almond, Plum	Minor	Konya, Istanbul
	Almond	Minor	Ankara

Species	Host Plants	Status	Distribution
Syn.: <i>Bombyx lanestris</i> L. <i>Eriogaster lanestris</i> L. <i>Gastropacha lanestris</i> L. <i>Lasiocampa lanestris</i>			
<i>Odonestis alnifolia</i>	Apple, Pear	Found	Eastern Anatolia
<i>O. pruni</i> L.	Plum	Minor	Turkey
<i>Malacosoma neustria</i> L.	Apple, Almond, Apricot, Pear, Plum Quince, Hazelnut.	Do	Turkey
Syn.: <i>Bombyx neustria</i> L. <i>Gastropacha neustria</i> L. <i>Malacosoma bilineatus</i> Haw. <i>M. testacea</i> Motsch.			
<i>Pachypasa otus</i> Drury	Pistachio	Do	Gaziantep
Family: Saturniidae (Attacidae)			
<i>Eudia spini</i> Schiff.	Apple	Scarce	Ankara
Syn.: <i>Saturnia spini</i> Schiff.			
<i>Saturnia pyri</i> L.	Almond, Grape, Hazelnut Pear, Plum	Minor	Turkey
Syn.: <i>Attacus pavonia major</i> L., <i>Saturnia junonia</i> Shaw.			
Geometroidea			
Family: Drepanidae			
<i>Cilix glaucata</i> Scop.	Fruit trees	Minor	Northern, Southern and Western Anatolia
Family: Geometridae			
<i>Apocheima hispidaria</i> Schiffermüller, Fabr.	Apricot	Found	Ankara

Species	Host Plants	Status	Distribution
Syn.: <i>Apocheima ursularia</i> Don., <i>A. tauaria</i> Newm. <i>Biston hispidaria</i> Fabr., <i>B. hispidarius</i> Fabr.			
<i>Boarmia umbraria</i> Hb.	Olive	Found	Olive growing areas
<i>Erannis bajarania</i> Schiffermüller	Apricot	Scarce	Ankara, Northern Anatolia
Syn.: <i>E. aegularia</i> Schiff., <i>E. ligustaria</i> Lang., <i>E. sericearia</i> Ekh., <i>Hibernia bajarania</i> Schiff.			
<i>E. declinans</i> Stgr.	Fruit trees	Scarce	Mediterranean Region
<i>E. defoliaria</i> Clarck	Fruit trees	Scarce	Maras
<i>Eumera regina</i> Stgr.	Almond, Apricot, Pear, Plum	Minor	Amasya, Ankara, Eskişehir
<i>Eupithecia insigniata</i> Hb.	Apple	Minor	Ankara, Amasya
Syn.: <i>Tephroclystia insigniata</i> Hb. <i>E. unedonata</i> Mab.	(<i>Arbutus unedo</i> L.)	Minor	Southern Anatolia (Hatay, Toros)
<i>Lycia hirtaria</i> Cl.	Pear	Scarce	Ankara, Northern Anatolia (Amasya, Tokat)
Syn.: <i>Biston hirtaria</i> Cl., <i>B. hirtarius</i> Cl. and Hb., <i>Lycia atomaria</i> Huff and L., <i>L. eremita</i> Scop.			
<i>Nychiodes amygdalaria</i> H.S.	Almond, Apricot, Peach, Plum, Pear	Do	Southern and Western Anatolia
<i>N. lividaria</i> v. <i>divergaria</i> Stgr.	Almond, Apricot, etc.	Do	Mardin, Toros
<i>N. obscuraria</i> Vill.	Almond, Apricot, etc.	Do	Southern and Western Anatolia

Species	Host Plants	Status	Distribution
<i>Opisthograptis luteolata</i> L.	Fruit trees	Minor	North - West Anatolia
<i>Phigalia pedaria</i> Fabr.	Pear	Minor	Ankara
Syn.: <i>P. hyemaria</i> Bkh., <i>P. pilosaria</i> Schiff, and Hb., <i>P. plumaria</i> Esp.			
<i>Problepsis ocellata</i> Friv.	Olive	Found	Olive growing areas
Family: N o l i d a e			
<i>Nola cucullatella</i> L.	Fruit trees	Found	Bursa
N o c t u o i d e a			
Family: A r c t i i d a e			
<i>Arctia villica</i> L.	Grape	Do	Central, South - East Anatolia and Marmara Region
<i>Callimorpha quadripunctaria</i> Poda	Grape	Minor	Marmara Region
Family: L y m a n t r i i d a e (Liparidae etc.)			
<i>Euproctis chrysorrhoea</i> L.	Apple, Chestnut Quince, Pear	(Major (Sometimes)	Central, Western Anatolia and Marmara Region
Syn.: <i>Nygmia phaeorrhoea</i> (Donovan), <i>Porthesia chrysorrhoea</i> L., etc.			
<i>Lymantria destituta</i> Stgr.	Almond	Minor	Mediterranean Region, Central and Northern Ana- tolia, Mardin
<i>L. dispar</i> L.	Apple, Apricot, chestnut Hazelnut Pear, Plum.	Do	Aegean, Blacksea, Central, and Marmara Regions, Sout- hern Anatolia.
Syn.: <i>Coneria dispar</i> , <i>Liparis dispar</i> L., <i>Porthesia dispar</i> L., <i>Porthetria dispar</i> L.			
<i>L. lapidicola</i> HS.	Almond	Minor	Mediterranean Region, Cent- ral and Northern Anatolia

Species	Host Plants	Status	Distribution
<i>Ocneria terebinthi</i> Frr.	Pistachio	Minor	Akşehir, Amasya, Bursa, Maras
<i>Ocnerogyia amanda</i> Stgr.	Fig	Minor	Mardin
<i>Orgyia antiqua</i> L.	Fruit trees	Minor	Amasya
<i>Porthesia similis</i> Fuessl.	Fruit trees	Minor	Ankara, Nevşehir
Family: Noctuidae			
<i>Acronycta psi</i> L.	Almond, Apricot, Cherry, Peach	Minor	Central Anatolia and Marmara Region
<i>Agrotis c-nigrum</i> L. Syn.: <i>Amathes c-nigrum</i> L. <i>Noctua c-nigrum</i> L.	Grape, fruit trees	Do	Sakarya, Bursa
<i>A. orbana</i> Hufn.	Grape	Do	Istanbul, Tekirdağ
<i>A. pronuba</i> L.	Grape	Do	Turkey
<i>A. pronuba ab. innuba</i> Tr.	Grape	Do	Istanbul, Tekirdağ
<i>Anua tirhaca</i> Cram.	Pistachio	Scarce	Amasya, Bursa, Toros
<i>Conistra ligula</i> Esper.	Plum	Minor	Turkey
<i>Cirrhoedia ambusta v. rubens</i> Stgr. Syn.: <i>Atethmia ambusta v. rubens</i> Stgr.	Pear	Minor	North - East Anatolia
<i>Diloba caeruleocephala</i> L. Syn.: <i>D. coeruleocephala</i> L., <i>Episema coeruleocephala</i> , <i>Noctua caeruleocephala</i>	Almond, Apple, Apricot, Peach, Pear, Quince	Minor	Turkey
<i>Euxoa tritici</i> L. Syn.: <i>Agrotis tritici</i> L.	Grape	Do	Sakarya, Balıkesir
<i>Graptolitha</i> sp. (<i>Graptolitha? socia</i>) Syn.: <i>Xylina</i> sp. (<i>Xylina? socia</i> Rott.)	Apple, Apricot, Cherry	Scarce	Ankara, Konya
<i>Lycophotia porphyrea</i> Schiff.	Grape, fruit	Minor	Istanbul, Tekirdağ
<i>Peridroma saucia</i> Hb.	Grape, fruit	Minor	Istanbul, Tekirdağ Sakarya, Yozgat

Species	Host Plants	Status	Distribution
Syn.: <i>Peridroma margaritosa</i> Haw.			
<i>Polia oleracea</i> L.	Plum	Minor	Istanbul, Sakarya
Syn.: <i>Mamestra oleracea</i> L., <i>Miselia oleracea</i> L.			
<i>Prodenia ornithogalli</i> Guen.	Grape	Do	Sakarya
Family: <i>Thaumetopoeidae</i>			
<i>Thaumetopoea solitaria</i> Frr.	Pistachio	Do	Gaziantep
<i>Papilionoidea</i>			
Family: <i>Nymphalidae</i>			
<i>Charaxes jasius</i> L.	(<i>Arbutus unedo</i> L.)	Scarce	Toros
<i>Vanessa polychlorus</i> L.	Apple, Cherry, Pear	Do	Central Anatolia and Marmara Region
Syn.: <i>Aglais polychlorus</i> L., <i>Eugonia polchlorus</i>			
Family: <i>Papilionidae</i>			
<i>Papilio podalirius</i> L.	Almond, Apricot, Cherry, Pear, Plum	Minor	Central, Northern Anatolia and Marmara Region
Syn.: <i>P. sinon</i> Poda.			
Family: <i>Pieridae</i>			
<i>Aporia crataegi</i> L.	Almond, Apricot, Apple, Cherry, Pear, Plum, etc.	Do	Turkey
Syn.: <i>Pieris crataegi</i> L.			
<i>Sphingoidea</i>			
Family: <i>Sphingidae</i>			
<i>Berutana kotschyi syriaca</i> Led.	Grape	Do	Hatay
<i>Celerio lineata livornica</i> Esp.	Grape	Minor	Central Anatolia, Marmara Region and Murgul

Species	Host Plants	Status	Distribution
Syn.: <i>Celerio lineata koechlini</i> Fues., <i>Deilephila lineata livornica</i> Esp., <i>D. livornica</i> Esp.			
<i>Smerinthus ocellata</i> L.	Apple	Minor	Ankara, Kastamonu
<i>Sphinx ligustri</i> L.	Grape	Minor	Izmir (Bornova)
<i>Theretra alecto cretica</i> Boisd.	Grape	Minor	Bursa and Mediterranean Region
MICROLEPIDOPTERA			
Cossoidae			
Family: Cossidae			
<i>Cossus cossus</i> L.	Apple, Pear, etc.	Do	Turkey
Syn.: <i>C. ligniperda</i> F., <i>Trypanus cossus</i> L.			
<i>Paropta paradoxus</i> HS.	Fig	Scarce	Izmir
<i>Zeuzera pyrina</i> L.	Apple, Hazelnut Pear, Olive etc.	Do	Turkey
Syn.: <i>Z. aesculi</i> L.			
Incurvarioidae			
Family: Heliozelidae			
<i>Holocacista rivillei</i> Stt.	Grape	Minor	Ankara, Istanbul (Kartal)
Syn.: <i>Alucita uvella</i> Vallot., <i>Antispila rivillella</i> Rondani			
Psychoidae			
Family: Psychidae			
<i>Apterona crenulella</i> Brd.	Apple, Cherry, Plum	Minor	Central Anatolia and Mar- mara Region
Syn.: <i>A. helix</i> Sieb., <i>Cochliotheca crenulella</i> Brd., <i>Psyche helix</i> Sieb.			

Species	Host Plants	Status	Distribution
Family: Zygaenidae (Anthroceridae)			
<i>Theresimima ampelophage</i> Bayle	Grape	Do	Turkey
Syn.: <i>Ino ampelophaga</i> Bayle			
<i>Theresia ampelophaga</i>			
<i>Zygaena ampelophaga</i>			
Pyralidoidea			
Family: Galleriidae			
<i>Aphomia gularis</i> Z.	Hazelnut	Do	Giresun
Syn.: <i>Paralipsa gularis</i> Z.			
Family: Phycitidae			
<i>Acrobasis obtusella</i> Hb.	Pear	Minor	Turkey
<i>Anagasta kuhniella</i> Zell.	Fig, Grape, (Stored Products)	Major	Turkey
<i>Cadra cautella</i> Wlk.	Almond, Fig (Stored products)	Do	Turkey
Syn.: <i>Epeestia cautella</i> Wlk.			
<i>Cadra figulilella</i> Greg.	Fig, Grape (Stored products)	Do	Aydın, İzmir, Manisa
Syn.: <i>Epeestia figulilla</i> Greg.			
<i>Cryptoblabes gnidiella</i> Mill.	Grape	Minor	Turkey
<i>Dioryctria pineae</i> Stgr.	Pistachio	Minor	Pistachio growing areas
<i>Epeestia calidella</i> Gn.	Dried fruit (Stored products)	Do	Turkey,
<i>E. elutella</i> Hbn.	Dried fruit (Stored products)	Do	Turkey,
<i>Myelois ceratoniae</i> Z.	Fig, Pomegranate	Minor (Do on Citrus)	Southern and Western Anatolia
<i>Plodia interpunctella</i> Hb.	Dried fruit (Stored products)	Do	Turkey
Family: Pyralididae (Pyralidae)			
<i>Glyphodes unionalis</i> Hb.	Olive	Minor	Turkey
Syn: <i>Margaronia unionalis</i> Hb.			

Species	Host Plants	Status	Distribution
Tinaeidea			
Family: Aegeriidae			
<i>Synanthedon myopiformis</i> Borkh.	Apple, Peach	Minor	Istanbul
Syn.: <i>Aegeria myopiformis</i> Borkh., <i>A. myopaeformis</i> Borkh., <i>Canopia myopaeformis</i> Borkh., <i>Synantheden mutillaeformis</i> Lasp., <i>S. myopaeformis</i> Borkh.			
Tinaeina			
Family: Cosmopterygidae			
<i>Blastodacna</i> sp.	Pear	Do	Ankara and other places
<i>Cosmopteryx</i> sp.	Pear	Do	Ankara
<i>Chrysoclista linneella</i> Cl.	Fruit trees	Minor	Turkey
Family: Coleophoridae			
<i>Coleophora alcyonipennella</i> Koll.	Apple	Do	Turkey
Syn.: <i>Eupista aereipennis</i> Wek. <i>E. alcyonipennella</i> Koll., <i>E. deauratella</i> Z.			
<i>Coleophora flavipennella</i> HS.	Fruit trees	Minor	Turkey
Syn.: <i>Eupista flavipennella</i> Dup.			
<i>C. nigricella</i> Steph.	Fruit trees	Minor	Turkey
Syn.: <i>Astyages nigricella</i> Stph., <i>Eupista coracipennella</i> Stph., <i>Porrectaria corracipennis</i> Haw.			
Family: Gelechiidae			
<i>Anarsia lineatella</i> Z.	Peach	Do	Turkey
<i>Carcina guercana</i> F.	Fruit trees	Minor	Turkey
<i>Gelechia terebinthinella</i> HS.	Pistachio	Minor	Bursa
<i>G. vepretella</i> Z.	Fruit trees	Minor	Turkey

Species	Host Plants	Status	Distribution
Syn.: <i>Epitheetis vepretella</i> Z.			
<i>Recurvaria leucateella</i> Cl.	Fruit trees	Minor	Turkey
<i>R. nanella</i> Hb.	Plum	Do	Turkey
Syn.: <i>Aphanaula nanella</i> Hb.,			
<i>Recurvaria crataegella</i> Busck.			
<i>Teleia vulgella</i> Hb.	Fruit trees	Minor	Turkey
Family: <i>Glyphipterygidae</i>			
<i>Anthophila nemorana</i> Hb.	Fig	Minor	Amasya
Syn.: <i>Hemerophila nemorana</i> Hb.,			
<i>Simaethis nemorana</i> Hb.			
<i>Anthophila pariana</i> Cl.	Apple, Pear, Fig	Do	Istanbul and Western Anatolia
Syn.: <i>A. parialis</i> Tr.,			
<i>Simaethis pariana</i> Cl.			
Family: <i>Gracilariidae</i>			
<i>Lithocolletis blancardella</i> F.	Apple, Pear	Do	Turkey
Syn.: <i>Lithocolletis pomifoliella</i> Z.			
<i>L. cerasicolella</i> H.S.	Almond, Cherry	Do	Turkey
Syn.: <i>L. domesticella</i> Sorh.			
<i>L. mahalebella</i> Mühl.			
<i>L. padella</i> Glitz.			
<i>L. persicella</i> Steud.			
<i>L. corylifoliella</i> Hw.	Apple	Do	Marmara region
Syn.: <i>L. betulae</i> Z.,			
<i>Phyllonorycter corylifoliella</i> Hw.			
<i>Ornix anguliferella</i> Z.	Pear	Do	Turkey
<i>O. avellana</i> Staint.	Hazelnut	Do	Giresun
<i>O. guttea</i> Hw.	Apple	Do	Turkey
<i>Parectopa latifoliella</i> Mill.	Olive	Do	Olive growing areas

Species	Host Plants	Status	Distribution
Syn.: <i>Oecophyllembius latifoliellus</i> Mill., <i>O. neglectus</i> Sliv.			
Family: <i>Hypnometridae</i> (Yponomeutidae)			
<i>Argyresthia conjugella</i> Z.	Apple	Minor	Amasya
<i>A. ephippella</i> F.	Cherry	Do	Bursa
Syn.: <i>A. pruniella</i> L., <i>A. tetrapodella</i> Steph.			
<i>Cerostoma asperellum</i> (a) L.	Apple, Cherry	Minor	Turkey
Syn.: <i>Ypsolophus asperellus</i> L. <i>C. persicellum</i> (a) F.	Almond, Peach	Do	Western and Northern Anatolia, Ankara
Syn.: <i>Ypsolophus persicellum</i> F.			
<i>Eidophasia messingiella</i> F.R.	Hazelnut	Minor	Bursa
<i>Hyponomeuta cognatellus</i> (a) Hb.	Plum	Do	North - East Anatolia
Syn.: <i>H. diffluellus</i> Latr. <i>H. evonymella</i> Scop.			
<i>Yponomeuta cognatellus</i> Hb.			
<i>H. irrorellus</i> (a) Hb.	Plum	Minor	Western Anatolia
<i>H. malinellus</i> (a) Z.	Apple	Major	Turkey, Apple growing areas
<i>H. padellus</i> (a) L.	Apricot, Plum, Cherry	Do	Turkey, apricot, plum growing areas
Syn.: <i>H. variabilis</i> Z.			
<i>H. plumbellus</i> (a) Schiff.	Prunus sp.	Minor	Turkey
Syn.: <i>H. nigrifimbriatus</i> Christoph.			
<i>Prays oleae</i> Bern.	Olive	Major	Turkey, Olive growing areas
Syn.: <i>P. adpersella</i> Kaltenbach <i>P. oleae</i> F.			

Species	Host Plants	Status	Distribution
<i>Prays oleaellus</i> Navarro			
<i>P. olivella</i> Costa			
<i>P. servilliella</i> Costa			
Family: <i>Lyonetiidae</i>			
<i>Leucoptera scitella</i> Z.	Apple, Pear etc.	Do	Niğde, Istanbul (Yalova)
Syn.: <i>Cemiostoma scitella</i> Z.			
<i>Lyonetia clerkella</i> L.	Apple, cherry etc.	Do	Istanbul, Niğde and other places
Syn.: <i>L. aereella</i> Tr.			
<i>L. prunifoliella</i> Hb.	Cherry	Do	Turkey
Syn.: <i>L. albella</i> Evans			
<i>L. padifoliella</i> Hb.			
Family: <i>Oecophoridae</i>			
<i>Oecophora oliviella</i> F.	Olive	Do	Olive growing areas
Family: <i>Oinophiliidae</i>			
<i>Kermania pistaciella</i> Amsel	Pistachio	Do	Gaziantep
Stigmelloidea			
Family: <i>Nepticulidae</i> (<i>Stigmellidae</i>)			
<i>Nepticula malella</i> Stt.	Apple	Do	Turkey, Marmara Region
Syn.: <i>Stigmella malella</i> Stt.			
<i>N. pulverosella</i> Stt.	Apple	Do	Turkey
<i>N. samiatella</i> H.S.	Chestnut	Minor	Bursa, Amasya
<i>N. sencella</i> Hein.	Apple	Do	Turkey
<i>N. sericopeza</i> Z.	Walnut	Minor	Bursa
Family: <i>Tischeriidae</i>			
<i>Tischeria gaunacella</i> Dup.	Cherry	Scarce	Turkey

Species	Host Plants	Status	Distribution
Tortricoidae			
Family: Cochylidae (Phalonidae)			
Clysia ambiguella Hb. Syn.: C. roserana Tr.,	Grape	Scarce	Amasya, Bursa, Toroslar
Eupoecilia ambiguella Hb.			
Family: Tortricidae			
Acleris contaminata v. ciliana Hb. Syn.: Acalla contaminata v. ciliana Hb.	Fruit trees	Minor	Turkey
A. holmiana L.	Fruit trees, Pear	Minor	Turkey
A. variegana Den. and Schiff. Syn.: A. abildgaardana F.,	Fruit trees, Pear	Do	Turkey
A. claudana Hb.,			
A. cristana Hb.			
Archips crataeganus Hb. Syn.: A. brauderiana Wood.	Apple, Cherry, Pear	Do	Turkey
A. heparana Hb.,			
A. roporana Hb.,			
A. xylosteana Illg.,			
Cacoecia crataegana Hb.			
A. oporana L. Syn.: A. rosana F.,	Hazelnut, Pear	Do	Aegean and Marmara Regions
Cacoecia podana Scop.,			
Pandemis oporana L. (etc.)			
A. rosanus L.	Apple, Apricot, Hazelnut, Pear, Plum, Quince Walnut etc.	Major	Central Anatolia, Aegean and Marmara Regions
Syn.: A. acerana Hb.,			
A. laevigana Den. and Schiff.,			

Species	Host Plants	Status	Distribution
Archips rosana L., A. variana F. Cacoecia rosana L. (etc.) A. xylosteana L.	Hazelnut, Pear, Quince	Do	Aegean Region and other areas
Syn.: A. characterana Hb., A. westriniana Thunberg Argyroploce pruniana Hb. Syn.: Hedyia pruneticolana Z., Olethreutes pruniana Hb. A. variegana Hb.	Fruit trees Apple, Cherry, Quince other fruit trees	Minor Major	Turkey Marmara Region
Syn.: Hedyia cynosbatella Wilk. H. nubiferana HW., H. tripunctana Hb., H. variegana Hb., Olethreutes variegana Hb.			
Cnephasia wahlbomiana L. Epiblema tripunctana F. Grapholita funebrana Tr.	Fruit trees Fruit trees Plum	Minor Minor Minor	Turkey Turkey Istanbul, Kastamonu and other places
Syn.: G. prunivorana Rag. Laspeyresia funebrana Tr. G. molesta Busck	Peach	Major	Bursa
Syn.: Cydia molesta Busck Laspeyresia molesta Busck Gypsonoma dealbana Hw.	Hazelnut	Do	Blacksea Region

Species	Host Plants	Status	Distribution
Syn.: <i>Gypsonoma incarnana</i> Hw. <i>Laspeyresia pomonella</i> L.	Apple, Quince, Pear Walnut, etc.	Major	In all apple growing areas
Syn.: <i>Carpocapsa pomonella</i> L. <i>Laspeyresia pomana</i> F. (etc.) <i>Laspeyresia splendana</i> Hb.	Chestnut	Minor	Bursa
Syn.: <i>L. splendidana</i> Meyer <i>Lobesia botrana</i> Den. and Schiff.	Grape	Major	Grape producing areas
Syn.: <i>L. reliquana</i> Tr. <i>L. rosmarinana</i> Mill. <i>Polyschrosis botrana</i> Den. and Schiff.			
<i>Olethreutes achatana</i> F. Syn.: <i>Ancylis achatana</i> F.	Fruit trees	Minor	Turkey
<i>Pamene rhediella</i> Cl. Syn.: <i>P. aurana</i> Hb., <i>P. daldorfana</i> F., <i>P. daldorfiana</i> H.S., <i>P. rhediana</i> Hb., <i>P. rhediana</i> Tr., etc.	Fruit trees	Do	Turkey
<i>Sparganothis pilleriana</i> Den. and Schiff.	Grape	Major	Aegean and Central Anatolia
Syn.: <i>S. danticana</i> Walck. <i>S. luteolana</i> Hb. <i>S. pillerana</i> F. <i>S. vitana</i> F.			
<i>Spilonota ocellana</i> F.	Apple, Hazelnut, Quince	Minor	Marmara Region and other areas

Species	Host Plants	Status	Distribution
Syn.: <i>Spilonota comitana</i> Hb. <i>S. luscana</i> F. <i>Tmetocera ocellana</i> F. <i>Tortrix pronubana</i> Hb. Syn.: <i>Cacoecia pronubana</i> Hb.	Fruit trees	Do	Aegean Region
ORDER : O R T H O P T E R A ¹			
Family : A c r i d a d a e			
<i>Anacridium aegyptium</i> L.	Grape	Minor	Turkey
Syn.: <i>Acridium aegyptium</i> L., <i>Orthacanthacris aegyptia</i> L.			
<i>Calliptamus italicus</i> L.	Grape	Minor	Turkey
<i>C. tenuicercis</i> Tarb.	Grape	Minor	Aegean Region, Turkey
<i>Dociostaurus maroccanus</i> Thumb.	Fruit trees, Grape	Do	Western Anatolia, Hatay, Samsun, and other parts
<i>Locusta migratoria</i> L. Syn.: <i>L. danica</i> L., <i>Pachytylus cinerascens</i> F., <i>P. danicus</i> L., <i>P. migratorius</i> L.	Grape	Minor	Turkey
<i>Notostaurus anatolicus</i> Krauss.	Grape	Minor	Burdur, Manisa (Gördes)

1 These pests attack nearly all cultivated and wild plants. When numerous and after regular crops and all grasses are destroyed they frequently feed on the bark and leaves of deciduous fruit trees and grapes.

(Her türlü kültür bitkileri, çayır ve otlarda zararlıdırlar. Populasyonları arttığında veya civarda yiyecek bulamadıklarında meyva ağaçları, fidanlıklar ve bağlarda zararlı olurlar.)

Species	Host Plants	Status	Distribution
Syn.: <i>Dociostaurus anatolicus</i> Krauss, <i>Stauronotus anatolicus</i> Krauss.			
<i>Oedipoda coerulescens</i> L.	Grape	Minor	Turkey
<i>Schistocerca gregaria</i> Forsk.	Grape	Do (sometimes)	South - East Anatolia
Family: Gryllidae			
<i>Melanogryllus desertus</i> Pall.	Grape	Do	Central Anatolia, Adana, Istanbul, Izmir.
Syn.: <i>Acheta desarta</i> Pall, <i>Gryllus desertus</i> Pall.			
<i>Oecanthus pellucens</i> Scop.	Grape	Do	Central, Western, Southern Anatolia
Family: Gryllotalpidae			
<i>Gryllotalpa gryllotalpa</i> L.	Nurseries	Do	Turkey
Family: Tettigoniidae (Locustidae)			
<i>Decticus albifrons</i> F.	Grape	Minor	Turkey
Syn.: <i>Tettigonia albifrons</i> F.			
<i>D. verrucivorus</i> (a) L.	Grape	Minor	Turkey
Syn.: <i>Tettigonia verrucivora</i> L.			
<i>Isophya amplipennis</i> (Br. - W.)	Fruit trees	Scarce	Turkey
<i>I. karabagi</i> Uv.	Fruit trees	Scarce	Ankara
<i>I. paveli</i> (Br. - W)	Fruit trees	Scarce	Turkey
<i>Isophya</i> sp	Grape	Scarce	Kastamonu
<i>I. nervosa</i> Ramme	Grape	Minor	Ankara
<i>I. tenuicerca</i> (Rme)	Fruit trees	Scarce	Turkey
<i>Phaneroptera falcata</i> Scop.	Grape, Hazelnut	Scarce	Western Anatolia Black - Sea Region

Species	Host Plants	Status	Distribution
<i>Platycoleis intermedia</i> Serv.	Grape	Do	Central Anatolia Adana, İstanbul, İzmir,
Syn.: <i>Metrioptera intermedia</i> Fuf.			
<i>Poecilimon turcicus</i> (Karabağ)	Fruit trees	Do	Bursa
<i>Tettigonia</i> sp.	Chestnut	Scarce	Northern Anatolia
<i>Tylopsis liliifolia</i> F.	Grape	Scarce	Western Anatolia

ORDER: THYSANOPTERA

Family: Thripidae

<i>Heliothrips fasciatus</i> Perg.	Grape	Minor	Turkey
<i>H. haemorrhoidalis</i> Bouche	Grape	Do	Southern and Western Anatolia
<i>Taeniothrips incousequens</i> (Uzel)	Apple, Pear, Plum	Do	Ankara, Niğde
Syn.: <i>Euthrips pyri</i> Daniel,			
<i>Physothrips inconsequens</i> Karny,			
<i>Taeniothrips pyri</i> Fort et Jones			
<i>Phloeothrips oleae</i> Costa	Olive	Do	Olive growing areas Western Anatolia
Syn.: <i>Liothrips oleae</i> Costa			
<i>Thrips oleae</i>			
<i>Thrips longicornis</i>	Grape	Do	Aegean Region
<i>T. tabaci</i> Lindeman	Grape	Minor (Major for Tobacco)	Western Anatolia and other areas

Ö Z E T

TÜRKİYE MİKROLEPIDOPTERLERİ VE MEYVA ZARARLILARI

Birinci kısımda elimizde bulunan kayıtlara göre Türkiye'de bulunan mikrolepidopterler alt takım, üst familya, familya, alt familya, cins ve tür olarak alfabetik sıraya göre liste halinde gösterilmiştir. Sonra da Türkçe isim verilebilenler diğer yabancı dillerdeki isimleri ve konukçuları ile verilmiştir. Hazırladığım listeye göre Türkiye'deki Mikrolepidopterlerin 294 cinsine ait 1111 tür bulunmuştur. Bunlardan çok az bir kısmı varyetedir. Elde edilemeyen bazı kayıtların daha olabileceği, ayrıca değişik familyalardan daha bazı türlerin Yunanistan, Bulgaristan, Kafkasya, İran, Irak, Suriye gibi yakın komşularımızda bulunmuş olması ve bunların da zamanla Türkiye'ye girebileceği düşünüldür ise ileride listeye daha bazı ilâveler yapılabilir.

İkinci kısımda, Türkiye'de meyvalarda bulunan zararlılar, zarar durumları ve yayılışları gösterilmiştir.

S U M M A R Y

THE MICROLEPIDOPTERA AND DECIDUOUS FRUIT PESTS OF TURKEY

This literature study were divided into two parts.

The first part deals with the obtained data of the Microlepidoptera's found in Turkey and they were classified as suborder, superfamily, family, subfamily, genus and species in alphabetical order. Some of these were named with Turkish common names and with their names known in foreign literature by showing their hosts.

Due to the preparation of Microlepidoptera list 1111 species belong to the 294 genera were found in Turkey. Among these there are only a few varieties. If we think of the species which our neighboring countries; Greece, Bulgaria, Caucasia, Persia, Iraq, and Syria have, it would be possible to suspect that Turkey has some more species of Microlepidoptera. So that there might be additional findings in the future.

The second part deals with the pests of deciduous fruit pests, and their hosts, status and distribution in Turkey.

L İ T E R A T Ü R

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