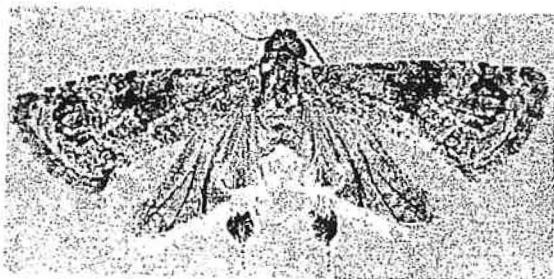


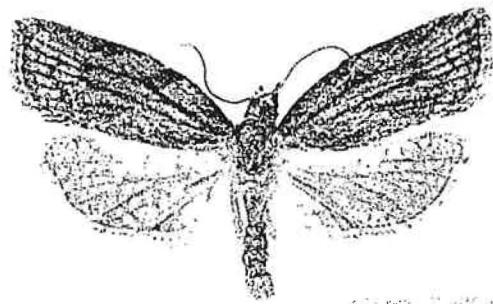
SCREENING KEY FOR CAPS TARGET TORTRICIDAE
IN THE EASTERN AND MIDWESTERN UNITED STATES (MALES)

1. Bottom edge of hindwing with circular patch of black scent scales; tibia of hindleg heavily tufted (false codling moth) *Thaumatotibia leucotreta*
- 1'. Bottom edge of hindwing lacking circular patch of black scent scales; tibia of hindleg not heavily tufted 2
2. Uncus elongate or spatulate 3
- 2'. Uncus absent or bifid 8
3. Membranous lobe present at apex of valve 4
- 3'. Membranous lobe absent at apex of valve 5
4. Costal fold lobed and conspicuous (light brown apple moth) *Epiphyas postvittana*
- 4'. Costal fold vestigial and narrow, or absent (light brown apple moth non-target) *Clepsis* spp.
5. Uncus spatulate; transtilla with stout spinelike setae; costal fold lobed and conspicuous 6
- 5'. Uncus elongate or spatulate; transtilla lacks stout setae; costal fold present or absent 7
6. Uncus two to three times longer than wide; valve with small pointed lobe at apex (summer fruit tortrix) *Adoxophyes orana*
- 6'. Uncus with length equal to width; valve rounded without small pointed lobe at apex (summer fruit tortrix non-target) *Adoxophyes furcatana*
7. Valve with spine at apex of sacculus; antenna not notched native and exotic *Archips* spp.
- 7'. Valve lacks spine at apex of sacculus; base of antenna notched native and exotic *Pandemis* spp.
8. Forewing uniformly green, even when worn; valve with two small lobes at apex (green oak tortrix) *Tortrix viridana*
- 8'. Forewing not uniformly green; valve lacks two small lobes at apex 9
9. Uncus and socii absent; ventral margin of valve indented to form a "neck" 10
- 9'. Uncus or socii present; ventral margin of valve does not form a "neck" 12
10. Neck strongly constricted so that valve appears bilobed ventrally (bean moth) *Cydia fabivora*
- 10'. Valve does not appear bilobed ventrally 11

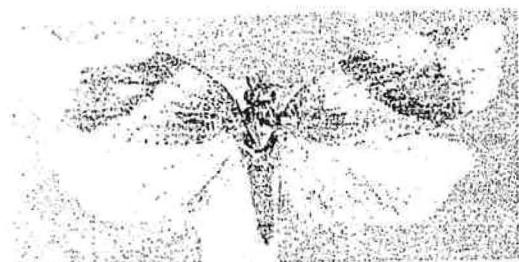
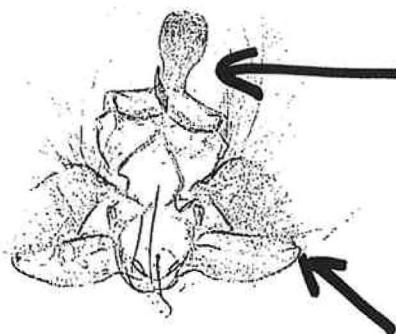
11. Valve with a thornlike projection; apex of aedeagus sclerotized and concave, one long thin cornutus present (plume fruit moth) *Grapholita funebrana*
11'. Valve lacks a thornlike projection; apex of aedeagus not sclerotized and concave, several long thin cornuti present (non-target, Oriental fruit moth) *Grapholita molesta*
12. Aedaegus massive, almost as wide and long as the valve, with a thin long cornutus, a patch of cornuti and a circle of cornuti; European grape berry moth *Eupoecilia ambiguella*
12'. Aedaegus not as wide or long as the valve, without three groups of cornuti 13
13. Black sex scaling on hindwing, abdomen and hindleg; valve broad and quadrate at base, curved upward distally (bean shoot moth) *Crocidosema aporema*
13'. Black sex scales absent on hindwing, abdomen and hindleg; valve not quadrate at base and curved upward distally 14
14. Uncus absent; valve long, thin and notched on the ventral margin, the apex evenly rounded with relatively short and sparse setae; aedeagus without cornuti (grape vine moth) *Lobesia botrana*
14'. Uncus and cornuti present or absent; if valve long and thin then apex with dense setae and ventral notch absent Tortricidae (not in the key)



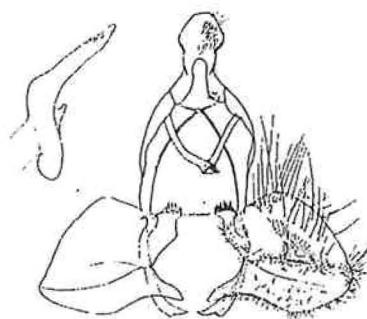
Thaumatotibia leucotreta



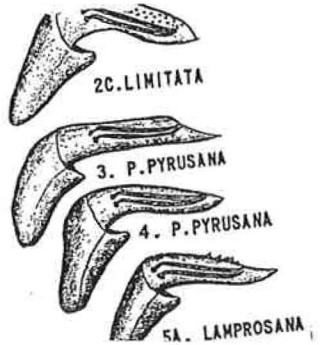
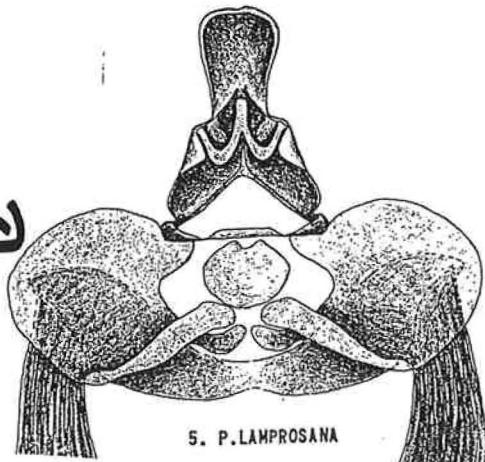
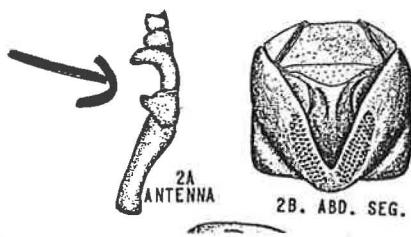
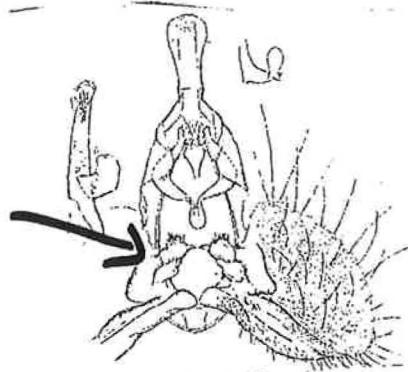
Epiphyas postvittana



Clepsis fucana



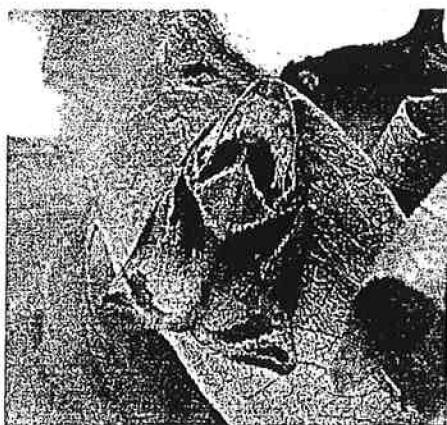
Adoxophyes orana



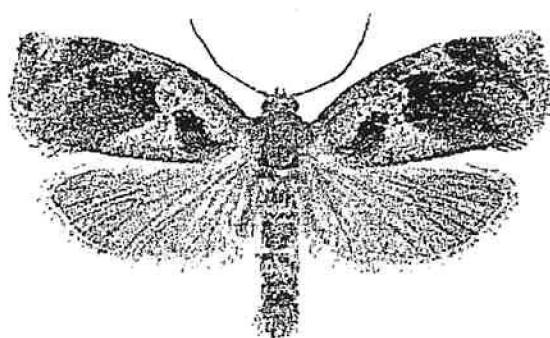
Fruit Tree Tortrix (continued)

Archips podanus (Scopoli)

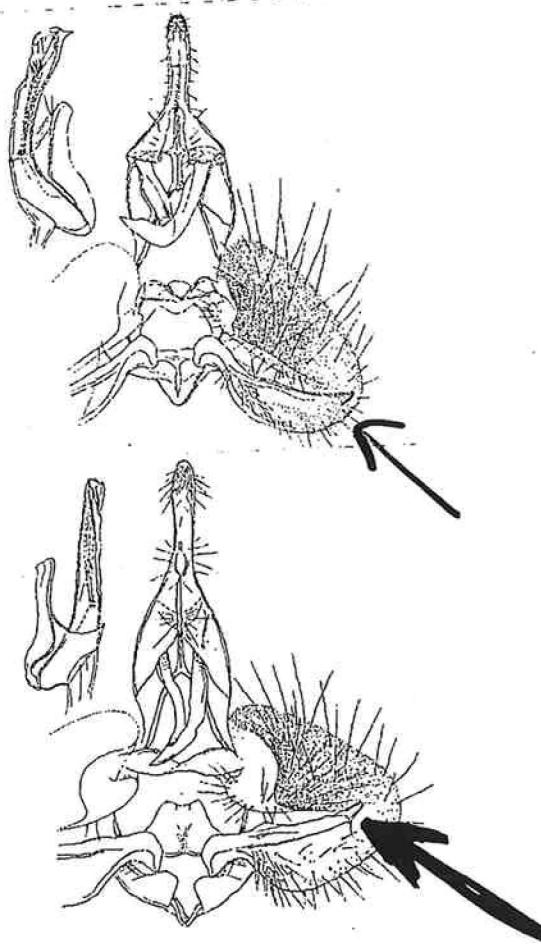
Tortricidae: Tortricinae: Archipini



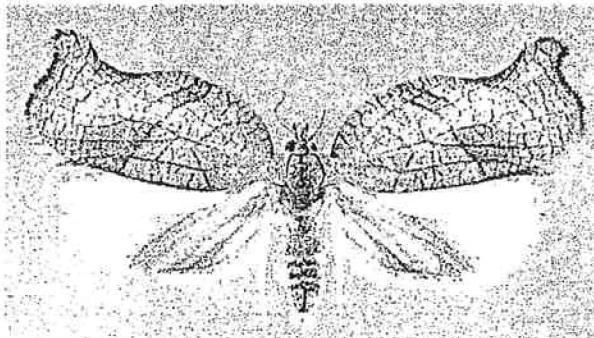
Archips podanus



Archips crateageanus



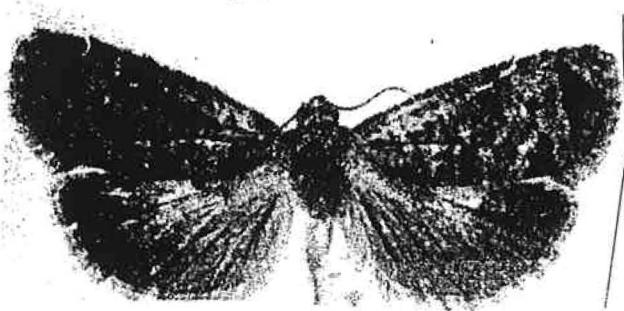
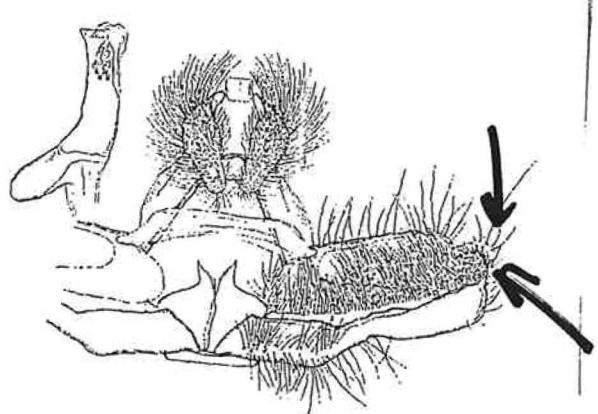
Archips magnolianus (male)



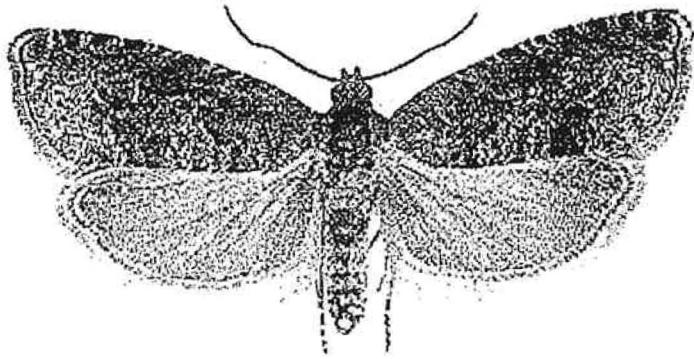
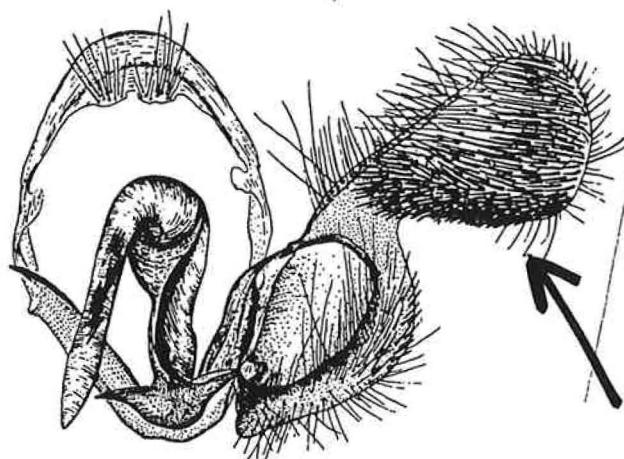
Archips pupuranus (female)



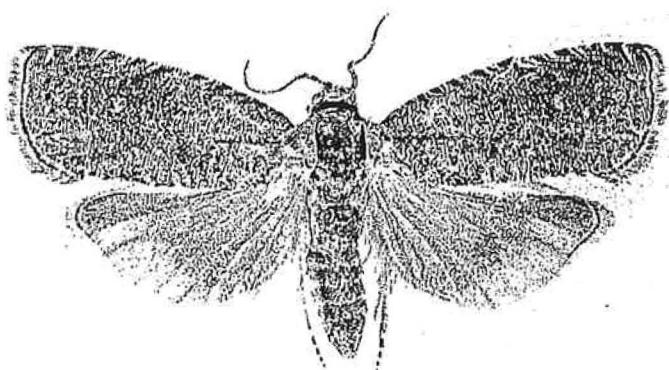
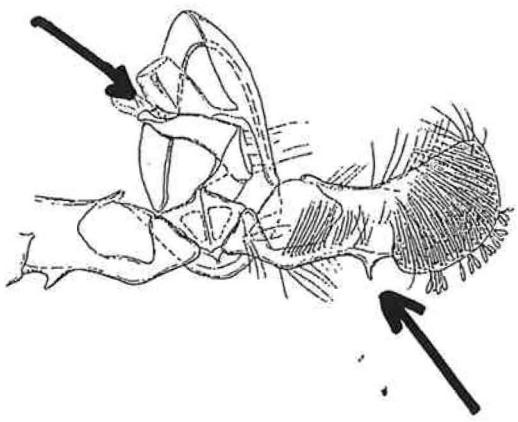
Tortrix viridana



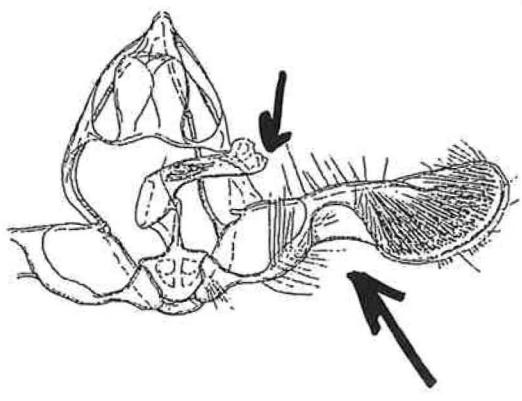
Cydia fabivora

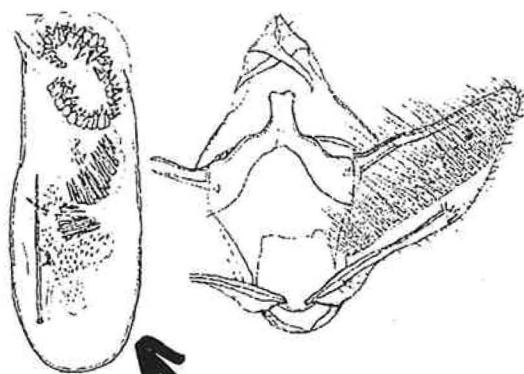
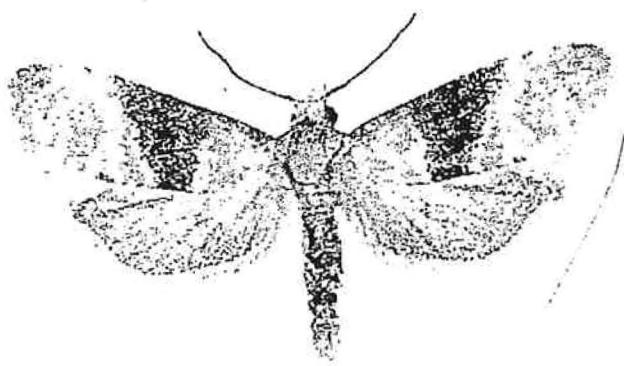


Grapholita funebrana

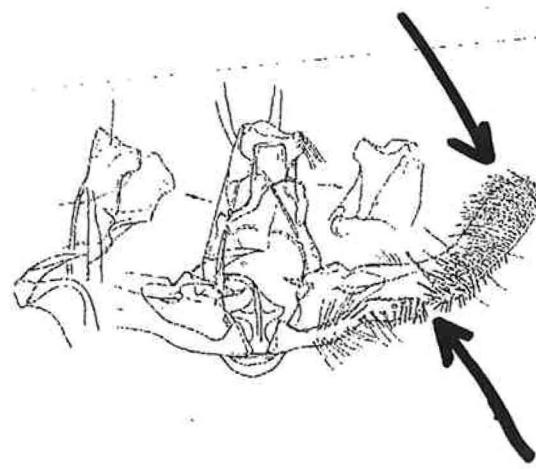
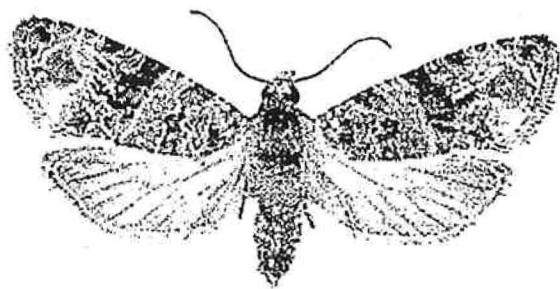


Grapholita molesta

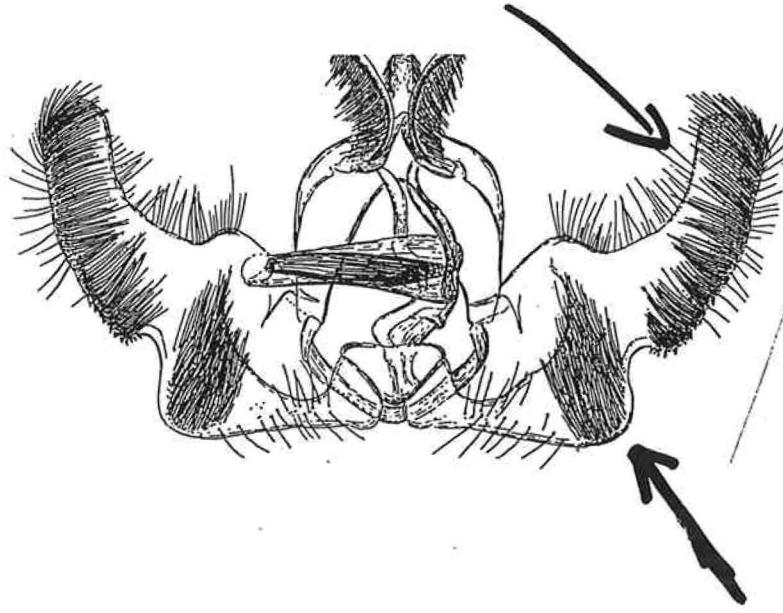
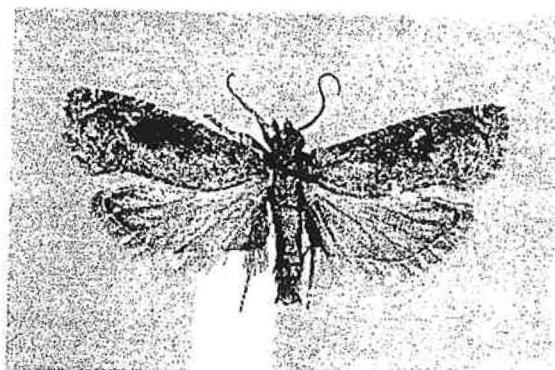




Eupoecilia ambiguella



Lobesia botrana



Crocidosema aporema