



Agronomy

National Insect List Official Guide

ID #	Common Name	Latin Names, Order: Family for Possible Specimens	Mouth parts	Economic Impact
11	Alfalfa weevil, adult or larva	<i>Hyperica postica</i> , Coleoptera:Curculionidae	C	V
12	Aphid	various species, Homoptera:Aphididae	PS	R
13	Armyworm adult	<i>Pseudaletia unipuncta</i> , Lepidoptera:Noctuidae (true armyworm)	S	IS
		<i>Spodoptera frugiperda</i> , Lepidoptera:Noctuidae (fall armyworm)		
		<i>Spodoptera exigua</i> , Lepidoptera:Noctuidae (beet armyworm)		
14	Armyworm larva	<i>Pseudaletia unipuncta</i> , Lepidoptera:Noctuidae (true armyworm)	C	V
		<i>Spodoptera frugiperda</i> , Lepidoptera:Noctuidae (fall armyworm)		
		<i>Spodoptera exigua</i> , Lepidoptera:Noctuidae (beet armyworm)		
15	Bean leaf beetle	<i>Cerotoma trifurcata</i> , Coleoptera:Chrysomelidae	C	F and V
16	Blister beetle	<i>Epicauta pennsylvanica</i> , Coleoptera:Meloidae (black blister beetle)	C	V
		<i>Epicauta pestifera</i> , Coleoptera:Meloidae (margined blister beetle)		
		<i>Epicauta vittata</i> , Coleoptera:Meloidae (striped blister beetle)		
17	Boll weevil	<i>Anthonomis grandis grandis</i> , Coleoptera:Curculionidae	C	F
18	Chinch bug	<i>Blissus leucoptera</i> , Hemiptera:Lygaeidae	PS	R
19	Colorado potato beetle, adult, or larva	<i>Leptinotarsa decemlineata</i> , Coleoptera:Chrysomelidae	C	V
20	Corn Earworm adult	<i>Helicoverpa zea</i> , Lepidoptera:Noctuidae	S	IS
21	Corn Earworm larva	<i>Helicoverpa zea</i> , Lepidoptera:Noctuidae	C	F and V
22	Corn rootworm adult	<i>Diabrotica barberi</i> , Coleoptera:Chrysomelidae (northern)	C	F and V
		<i>Diabrotica undecimpunctata howardii</i> , Coleoptera:Chrysomelidae (southern)		
		<i>Diabrotica vergifera</i> , Coleoptera:Chrysomelidae (western)		
23	Corn rootworm larva	<i>Diabrotica sp.</i> , Coleoptera:Chrysomelidae	C	V
24	Cutworm adult	<i>Agrotis epsilon</i> , Lepidoptera:Noctuidae (black cutworm)	S	IS
		<i>Peridroma saucia</i> , Lepidoptera:Noctuidae (variegated cutworm)		
		<i>Striacosta albicosta</i> , Lepidoptera:Noctuidae (western bean cutworm)		
25	Cutworm larva	<i>Agrotis epsilon</i> , Lepidoptera:Noctuidae (black cutworm)	C	V
		<i>Peridroma saucia</i> , Lepidoptera:Noctuidae (variegated cutworm)		
		<i>Striacosta albicosta</i> , Lepidoptera:Noctuidae (western bean cutworm)		
26	European corn borer adult	<i>Ostrinia nubilalis</i> , Lepidoptera:Pyrilidae	S	IS
27	European corn borer larva	<i>Ostrinia nubilalis</i> , Lepidoptera:Pyrilidae	C	F and V

ID #	Common Name	Latin Names, Order: Family for Possible Specimens	Mouth parts	Economic Impact
28	Field cricket	<i>Gryllus sp.</i> , Orthoptera:Gryllidae	C	F
29	Flea beetle	<i>Chaetocnema pulicaria</i> , Coleoptera:Chrysomelidae (corn flea beetle)	C	V
		<i>Systema blanda</i> , Coleoptera:Chrysomelidae (palestriped flea beetle)		
		<i>Phyllotreta striolata</i> , Coleoptera:Chrysomelidae (striped flea beetle)		
30	Grain weevil	<i>Sitophilus granarius</i> , Coleoptera:Curculionidae (granary weevil)	C	F
		<i>Sitophilus oryzae</i> , Coleoptera:Curculionidae (rice weevil)		
31	Grasshopper	various species, Orthoptera:Acrididae	C	V
32	Green lacewing	<i>Chrysopa sp.</i> , Neuroptera:Chrysopidae	C	B
33	Honeybee	<i>Apis mellifera</i> , Hymenoptera:Apidae	CL	B
34	Imported cabbageworm	<i>Pieris rapae</i> , Lepidoptera:Pieridae	C	FV
35	Japanese beetle	<i>Popilla japonica</i> , Coleoptera:Scarabaeidae	C	FV
36	Lady beetle adult or larva	various species, Coleoptera:Coccinellidae	C	B
37	Leafhopper	<i>Empoasca fabae</i> , Homoptera:Cicadellidae (potato leafhopper)	PS	R
38	Mexican bean beetle, adult or larva	<i>Epilachna varivestis</i> , Coleoptera:Coccinellidae	C	FV
39	Saltmarsh caterpillar	<i>Estigmene acrea</i> , Lepidoptera:Arctiidae	C	V
40	Spider mite	various species, Trombidiformes:Tetranychidae	PS	R
41	Spittlebug	various species, Hemiptera:Cercopidae	PS	R
42	Squash bug	<i>Anasa tristis</i> , Hemiptera:Coreidae	PS	R
43	Stink bug	various species, Hemiptera:Pentatomidae	PS	R
44	Striped cucumber beetle	<i>Acalymma vittatum</i> , Coleoptera:Chrysomelidae	C	FV
45	Tarnished plant bug	<i>Lygus lineolaris</i> , Hemiptera:Miridae	PS	R
46	Thrips	various species, Thysanoptera:Thripidae	PS	R
47	Tomato or tobacco hornworm	<i>Manduca sp.</i> , Lepidoptera:Spingidae	C	FV
48	whitefly	various species, Homoptera:Aleryodidae	RS	V
49	wireworm	various species, Coleoptera:Elateridae	C	V

Mouth parts key:

- C (chewing)
- CL (chewing-lapping)
- PS (piercing sucking)
- RS (Rasping Sucking)
- S (siphoning)

Economic impact key:

Must indicate all options in response

- B (Beneficial)
- F (fruit/flower destruction)
- V (vegetative part destruction)
- FV (Fruit/Flower AND Vegetative part destruction)
- IS (indicator species)
- R (removal of plant fluids)

Insect Identification Rubric

Name					Member Number
Chapter					State
					Team Number
		Member Answer	Possible Points	Member Score	Possible Answers Identification
1.	Identification:		4		11. Alfalfa weevil, adult or larva 12. Aphid 13. Armyworm adult 14. Armyworm larva 15. Bean leaf beetle 16. Blister beetle 17. Boll weevil 18. Chinch bug 19. Colorado potato beetle, adult or larva 20. Corn Earworm adult 21. Corn Earworm larva 22. Corn rootworm adult 23. Corn rootworm larva 24. Cutworm adult 25. Cutworm larva 26. European corn borer adult 27. European corn borer larva 28. Field cricket 29. Flea beetle 30. Grain weevil 31. Grasshopper 32. Green lacewing 33. Honeybee 34. Imported cabbageworm 35. Japanese beetle 36. Lady beetle adult or larva 37. Leafhopper 38. Mexican bean beetle, adult or larva 39. Saltmarsh caterpillar 40. Spider mite 41. Spittlebug 42. Squash bug 43. Stink bug 44. Striped cucumber beetle 45. Tarnished plant bug 46. Thrips 47. Tomato or tobacco hornworm 48. Whitefly 49. Wireworm Economic Impact Must include all options in response B (Beneficial) F (fruit/flower destruction) IS (indicator species) R (removal of plant fluids) V (vegetative part destruction) Mouth parts C (chewing) CL (chewing-lapping) PS (piercing sucking) RS (Rasping Sucking) S (siphoning)
	Economic Impact:		3		
	Mouth Part:		3		
2.	Identification:		4		
	Economic Impact:		3		
	Mouth Part:		3		
3.	Identification:		4		
	Economic Impact:		3		
	Mouth Part:		3		
4.	Identification:		4		
	Economic Impact:		3		
	Mouth Part:		3		
5.	Identification:		4		
	Economic Impact:		3		
	Mouth Part:		3		
6.	Identification:		4		
	Economic Impact:		3		
	Mouth Part:		3		
7.	Identification:		4		
	Economic Impact:		3		
	Mouth Part:		3		
8.	Identification:		4		
	Economic Impact:		3		
	Mouth Part:		3		
9.	Identification:		4		
	Economic Impact:		3		
	Mouth Part:		3		
10.	Identification:		4		
	Economic Impact:		3		
	Mouth Part:		3		
TOTAL POINTS EARNED OUT OF 100 POSSIBLE					