

OK ENTOMOLOGY CDE ARTHROPOD CHARACTERISTICS LIST 2025

ID #	Common Name	Order	Metamorphosis	Mouthparts	Significance
001	American cockroach	Blattodea	Hemimetabolous	Chewing	Pest
002	antlion	Neuroptera	Holometabolous	Chewing	Beneficial
003	antlion larva **	Neuroptera	Holometabolous	Chewing	Beneficial
004	aphid	Hemiptera	Hemimetabolous	Piercing/Sucking	Pest
005	assassin bug	Hemiptera	Hemimetabolous	Piercing/Sucking	Beneficial
006	backswimmer	Hemiptera	Hemimetabolous	Piercing/Sucking	Beneficial
007	bagworm **	Lepidoptera	Holometabolous	Chewing	Pest
008	bed bug	Hemiptera	Hemimetabolous	Piercing/Sucking	Pest
009	bee fly	Diptera	Holometabolous	Sponging	Beneficial
010	black widow spider	Non-insect	Ametabolous	NA	Pest
011	blister beetle	Coleoptera	Holometabolous	Chewing	Pest
012	blow fly	Diptera	Holometabolous	Sponging	Pest
013	brown recluse spider	Non-insects	Ametabolous	NA	Pest
014	bumble bee	Hymenoptera	Holometabolous	Chewing	Beneficial
015	cabbage looper **	Lepidoptera	Holometabolous	Chewing	Pest
016	carpenter ant	Hymenoptera	Holometabolous	Chewing	Pest
017	carrion beetle	Coleoptera	Holometabolous	Chewing	Beneficial
018	cattle grub **	Diptera	Holometabolous	Chewing	Pest
019	centipede	Non-insect	Ametabolous	NA	Beneficial
020	cicada	Hemiptera	Hemimetabolous	Piercing/Sucking	Beneficial
021	cicada killer	Hymenoptera	Holometabolous	Chewing	Beneficial
022	click beetle	Coleoptera	Holometabolous	Chewing	Pest
023	Colorado potato beetle	Coleoptera	Holometabolous	Chewing	Pest
024	crane fly	Diptera	Holometabolous	NA	Beneficial
025	damselfly	Odonada	Hemimetabolous	Chewing	Beneficial
026	damselfly nymph **	Odonada	Hemimetabolous	Chewing	Beneficial
027	darkling beetle	Coleoptera	Holometabolous	Chewing	Pest
028	deer fly	Diptera	Holometabolous	Sponging	Pest
029	dermestid beetle larva **	Coleoptera	Holometabolous	Chewing	Pest
030	dobsonfly	Neuroptera	Holometabolous	Chewing	Beneficial
031	dragonfly	Odonada	Hemimetabolous	Chewing	Beneficial
032	dragonfly nymph **	Odonada	Hemimetabolous	Chewing	Beneficial
033	earwig	Dermaptera	Hemimetabolous	Chewing	Pest
034	field cricket	Orthoptera	Hemimetabolous	Chewing	Pest

** juvenile life stage

NA = not applicable (non-insect or not present)

035	firefly	Coleoptera	Holometabolous	Chewing	Beneficial
036	flea	Siphonaptera	Holometabolous	Piercing/Sucking	Pest
037	German cockroach	Blattodea	Hemimetabolous	Chewing	Pest
038	giant water bug	Hemiptera	Hemimetabolous	Piercing/Sucking	Beneficial
039	green lacewing	Neuroptera	Holometabolous	Chewing	Beneficial
040	ground beetle	Coleoptera	Holometabolous	Chewing	Beneficial
041	harvester ant	Hymenoptera	Holometabolous	Chewing	Beneficial
042	harvestman	Non-insect	Ametabolous	NA	Beneficial
043	honey bee	Hymenoptera	Holometabolous	Chewing	Beneficial
044	hornworm **	Lepidoptera	Holometabolous	Chewing	Pest
045	horse fly	Diptera	Holometabolous	Sponging	Pest
046	house fly	Diptera	Holometabolous	Sponging	Pest
047	ichneumon wasp	Hymenoptera	Holometabolous	Chewing	Beneficial
048	Indianmeal moth	Lepidoptera	Holometabolous	Siphoning	Pest
049	isopod	Non-insect	Ametabolous	NA	Beneficial
050	jumping spider	Non-insect	Ametabolous	NA	Beneficial
051	lacewing larva **	Neuroptera	Holometabolous	Chewing	Beneficial
052	ladybird beetle	Coleoptera	Holometabolous	Chewing	Beneficial
053	ladybird beetle larva **	Coleoptera	Holometabolous	Chewing	Beneficial
054	leafhopper	Hemiptera	Hemimetabolous	Piercing/Sucking	Pest
055	longhorned grasshopper	Orthoptera	Hemimetabolous	Chewing	Pest
056	longhorned beetle	Coleoptera	Holometabolous	Chewing	Pest
057	luna moth	Lepidoptera	Holometabolous	Siphoning	Beneficial
058	Mantisfly	Neuroptera	Holometabolous	Chewing	Beneficial
059	mayfly	Ephemeroptera	Hemimetabolous	NA	Beneficial
060	mealworm **	Coleoptera	Holometabolous	Chewing	Pest
061	Mealybug	Hemiptera	Hemimetabolous	Piercing/Sucking	Pest
062	metallic woodboring beetle	Coleoptera	Holometabolous	Chewing	Pest
063	milkweed bug	Hemiptera	Hemimetabolous	Piercing/Sucking	Pest
064	millipede	Non-insect	Ametabolous	NA	Beneficial
065	minute pirate bug	Hemiptera	Hemimetabolous	Piercing/Sucking	Beneficial
066	mole cricket	Orthoptera	Hemimetabolous	Chewing	Pest
067	monarch butterfly	Lepidoptera	Holometabolous	Siphoning	Beneficial
068	mosquito	Diptera	Holometabolous	Sponging	Pest
069	mosquito larva **	Diptera	Holometabolous	Sponging	Beneficial
070	mud-dauber wasp	Hymenoptera	Holometabolous	Chewing	Beneficial

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071	orb-weaver spider	Non-insect	Ametabolous	NA	Beneficial
072	paper wasp	Hymenoptera	Holometabolous	Chewing	Beneficial
073	praying mantis	Mantodea	Hemimetabolous	Chewing	Beneficial
074	predaceous diving beetle	Coleoptera	Holometabolous	Chewing	Beneficial
075	red flour beetle	Coleoptera	Holometabolous	Chewing	Pest
076	red imported fire ant	Hymenoptera	Holometabolous	Chewing	Pest
077	robber fly	Diptera	Holometabolous	Sponging	Beneficial
078	rove beetle	Coleoptera	Holometabolous	Chewing	Beneficial
079	scale	Hemiptera	Hemimetabolous	Piercing/Sucking	Pest
080	scarab beetle	Coleoptera	Holometabolous	Chewing	Pest
081	scorpion	Non-insect	Ametabolous	NA	Pest
082	shorthorned grasshopper	Orthoptera	Hemimetabolous	Chewing	Pest
083	skipper	Lepidoptera	Holometabolous	Siphoning	Beneficial
084	sphinx moth	Lepidoptera	Holometabolous	Siphoning	Beneficial
085	spotted cucumber beetle	Coleoptera	Holometabolous	Chewing	Pest
086	squash bug	Hemiptera	Hemimetabolous	Piercing/Sucking	Pest
087	stag beetle	Coleoptera	Holometabolous	Chewing	Beneficial
088	stink bug	Hemiptera	Hemimetabolous	Piercing/Sucking	Pest
089	sucking louse	Phthiraptera	Hemimetabolous	Piercing/Sucking	Pest
090	sulphur butterfly	Lepidoptera	Holometabolous	Siphoning	Beneficial
091	swallowtail butterfly	Lepidoptera	Holometabolous	Siphoning	Beneficial
092	syrphid fly	Diptera	Holometabolous	Sponging	Beneficial
093	termite	Isoptera	Hemimetabolous	Chewing	Pest
094	tick	Non-insect	Ametabolous	NA	Pest
095	tiger beetle	Coleoptera	Holometabolous	Chewing	Beneficial
096	tree cricket	Orthoptera	Hemimetabolous	Chewing	Pest
097	treehopper	Hemiptera	Hemimetabolous	Piercing/Sucking	Pest
098	velvet ant	Hymenoptera	Holometabolous	Chewing	Beneficial
099	walkingstick	Phasmida	Hemimetabolous	Chewing	Beneficial
100	water boatman	Hemiptera	Hemimetabolous	Chewing	Beneficial
101	water strider	Hemiptera	Hemimetabolous	Piercing/Sucking	Beneficial
102	weevil	Coleoptera	Holometabolous	Chewing	Pest
103	whirligig beetle	Coleoptera	Holometabolous	Chewing	Beneficial
104	white grub **	Coleoptera	Holometabolous	Chewing	Pest
105	whitefly	Hemiptera	Hemimetabolous	Piercing/Sucking	Pest

** juvenile life stage

NA = not applicable (non-insect or not present)

ID#	Order Common Name	Order Scientific Name	Metamorphosis	Mouthparts	Special Wing Type
01	Cockroaches	Blattodea	Hemimetabolous	Chewing	Tegmina
02	Beetles	Coleoptera	Holometabolous	Chewing	Elytra
03	Earwigs	Dermaptera	Hemimetabolous	Chewing	Tegmina
04	Flies	Diptera	Holometabolous	Sponging	Haltere
05	Mayflies	Ephemeroptera	Hemimetabolous	NA	
06	True Bugs	Hemiptera	Hemimetabolous	Piercing/Sucking	Hemelytra
07	Ants Bees Wasps	Hymenoptera	Holometabolous	Chewing	
08	Termites	Isoptera	Hemimetabolous	Chewing	
09	Butterflies Moths	Lepidoptera	Holometabolous	Siphoning	
10	Praying Mantids	Mantodea	Hemimetabolous	Chewing	Tegmina
11	Lacewings	Neuroptera	Holometabolous	Chewing	
12	Dragonflies, Damselfly	Odonata	Hemimetabolous	Chewing	
13	Grasshoppers Crickets	Orthoptera	Hemimetabolous	Chewing	Tegmina
14	Sucking Lice	Phthiraptera	Hemimetabolous	Piercing/Sucking	
15	Fleas	Siphonaptera	Holometabolous	Piercing/Sucking	
16	Non-insects	Arachnids, Crustaceans, Myriopods	Ametabolous	NA	NA