

ID	Name	Order	Metamorphosis	Mouthparts	Significance
001	American cockroach	01 - Blattodea	Hemimetabolous	Chewing	Pest
002	antlion	13 - Neuroptera	Holometabolous	Chewing	Beneficial
003	antlion larva**	13 - Neuroptera	Holometabolous	Chewing	Beneficial
004	aphid	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
005	armored scale	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
006	assassin bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Beneficial
007	backswimmer	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Beneficial
008	bagworm**	10 - Lepidoptera	Holometabolous	Chewing	Pest
009	banded wing grasshopper	15 - Orthoptera	Hemimetabolous	Chewing	Pest
010	bed bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
011	beet armyworm**	10 - Lepidoptera	Holometabolous	Chewing	Pest
012	big-eyed bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Beneficial
013	biting louse	17 - Phthiraptera	Hemimetabolous	Chewing	Pest
014	black widow spider	23 - non-insects	Ametabolous	Not Applicable	Pest
015	blister beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
016	blow fly	05 - Diptera	Holometabolous	Sponging	Pest
017	boll weevil	02 - Coleoptera	Holometabolous	Chewing	Pest
018	bollworm**	10 - Lepidoptera	Holometabolous	Chewing	Pest
019	book louse	19 - Psocoptera	Ametabolous	Chewing	Pest
020	boxelder bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
021	brown dog tick	23 - non-insects	Ametabolous	Piercing-Sucking	Pest
022	brown recluse spider	23 - non-insects	Ametabolous	Not Applicable	Pest
023	bumble bee	08 - Hymenoptera	Holometabolous	Chewing-Lapping	Variable
024	cabbage looper**	10 - Lepidoptera	Holometabolous	Chewing	Pest

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025	carpet beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
026	carrion beetle	02 - Coleoptera	Holometabolous	Chewing	Beneficial
027	cattle grub**	05 - Diptera	Holometabolous	Chewing	Pest
028	centipede	23 - non-insects	Ametabolous	Not Applicable	Variable
029	cicada	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Variable
030	cicada killer	08 - Hymenoptera	Holometabolous	Chewing	Beneficial
031	cigarette beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
032	click beetle	02 - Coleoptera	Holometabolous	Chewing	Variable
033	Colorado potato beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
034	crab spider	23 - non-insects	Ametabolous	Not Applicable	Beneficial
035	crane fly	05 - Diptera	Holometabolous	Piercing-Sucking	Variable
036	damsel bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Beneficial
037	damselfly	14 - Odonata	Hemimetabolous	Chewing	Beneficial
038	damselfly nymph**	14 - Odonata	Hemimetabolous	Chewing	Beneficial
039	darkling beetle	02 - Coleoptera	Holometabolous	Chewing	Variable
040	deer fly	05 - Diptera	Holometabolous	Cutting-Sponging	Pest
041	deer ked	05 - Diptera	Holometabolous	Piercing-Sucking	Pest
042	dobsonfly	13 - Neuroptera	Holometabolous	Chewing	Beneficial
043	dragonfly	14 - Odonata	Hemimetabolous	Chewing	Beneficial
044	dragonfly nymph**	14 - Odonata	Hemimetabolous	Chewing	Beneficial
045	dung beetle	02 - Coleoptera	Holometabolous	Chewing	Beneficial
046	earwig	04 - Dermaptera	Hemimetabolous	Chewing	Beneficial
047	elm leaf beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
048	fall webworm**	10 - Lepidoptera	Holometabolous	Chewing	Pest

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049	field cricket	15 - Orthoptera	Hemimetabolous	Chewing	Pest
050	firefly	02 - Coleoptera	Holometabolous	Chewing	Beneficial
051	flea	20 - Siphonaptera	Holometabolous	Piercing-Sucking	Pest
052	flea beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
053	flesh fly	05 - Diptera	Holometabolous	Sponging	Pest
054	garden spider	23 - non-insects	Ametabolous	Not Applicable	Beneficial
055	German cockroach	01 - Blattodea	Hemimetabolous	Chewing	Pest
056	giant water bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Beneficial
057	gray hairstreak	10 - Lepidoptera	Holometabolous	Siphoning	Pest
058	green June beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
059	green lace wing	13 - Neuroptera	Holometabolous	Chewing	Beneficial
060	ground beetle	02 - Coleoptera	Holometabolous	Chewing	Beneficial
061	harlequin bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
062	harvestman	23 - non-insects	Ametabolous	Not Applicable	Variable
063	hellgrammite**	13 - Neuroptera	Holometabolous	Chewing	Beneficial
064	honey bee	08 - Hymenoptera	Holometabolous	Chewing-Lapping	Beneficial
065	horn fly	05 - Diptera	Holometabolous	Cutting-Lapping	Pest
066	horntail wasp	08 - Hymenoptera	Holometabolous	Chewing	Pest
067	horse fly	05 - Diptera	Holometabolous	Cutting-Sponging	Pest
068	house fly	05 - Diptera	Holometabolous	Sponging	Pest
069	ichneumon wasp	08 - Hymenoptera	Holometabolous	Chewing	Beneficial
070	Indian meal moth	10 - Lepidoptera	Holometabolous	Siphoning	Pest
071	ironclad beetle	02 - Coleoptera	Holometabolous	Chewing	Variable

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072	Jerusalem cricket	15 - Orthoptera	Hemimetabolous	Chewing	Variable
073	jumping spider	23 - non-insects	Ametabolous	Not Applicable	Beneficial
074	katydid	15 - Orthoptera	Hemimetabolous	Chewing	Variable
075	lace bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
076	lacewing larva**	13 - Neuroptera	Holometabolous	Chewing	Beneficial
077	ladybird beetle	02 - Coleoptera	Holometabolous	Chewing	Beneficial
078	ladybird beetle larva**	02 - Coleoptera	Holometabolous	Chewing	Beneficial
079	leaf-footed bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
080	leafhopper	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
081	longhorned beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
082	luna moth	10 - Lepidoptera	Holometabolous	Siphoning	Beneficial
083	mantidfly	13 - Neuroptera	Holometabolous	Chewing	Beneficial
084	May beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
085	mayfly	06 - Ephemeroptera	Hemimetabolous	Vestigial	Beneficial
086	mealybug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
087	metallic woodboring beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
088	milkweed bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
089	millipede	23 - non-insects	Ametabolous	Chewing	Beneficial
090	minute pirate bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Beneficial
091	mole cricket	15 - Orthoptera	Hemimetabolous	Chewing	Pest
092	monarch butterfly	10 - Lepidoptera	Holometabolous	Siphoning	Beneficial
093	mosquito	05 - Diptera	Holometabolous	Piercing-Sucking	Pest
094	mud-dauber wasp	08 - Hymenoptera	Holometabolous	Chewing	Variable
095	Oriental	01 - Blattodea	Hemimetabolous	Chewing	Pest

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	cockroach				
096	painted lady	10 - Lepidoptera	Holometabolous	Siphoning	Beneficial
097	paper wasp	08 - Hymenoptera	Holometabolous	Chewing	Variable
098	pillbug	23 - non-insects	Ametabolous	Chewing	Variable
099	praying mantis	11 - Mantodea	Hemimetabolous	Chewing	Beneficial
100	predaceous diving beetle	02 - Coleoptera	Holometabolous	Chewing	Beneficial
101	red admiral	10 - Lepidoptera	Holometabolous	Siphoning	Beneficial
102	red flour beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
103	red harvester ant	08 - Hymenoptera	Holometabolous	Chewing	Pest
104	red imported fire ant	08 - Hymenoptera	Holometabolous	Chewing	Pest
105	rice weevil	02 - Coleoptera	Holometabolous	Chewing	Pest
106	robber fly	05 - Diptera	Holometabolous	Piercing-Sucking	Beneficial
107	rove beetle	02 - Coleoptera	Holometabolous	Chewing	Beneficial
108	sawtoothed grain beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
109	scorpion	23 - non-insects	Ametabolous	Chewing	Pest
110	scorpion fly	12 - Mecoptera	Holometabolous	Chewing	Beneficial
111	silverfish	22 - Thysanura	Ametabolous	Chewing	Pest
112	skipper butterfly	10 - Lepidoptera	Holometabolous	Siphoning	Variable
113	snakefly - DO NOT USE	13 - Neuroptera	Holometabolous	Chewing	Beneficial
114	soft scale	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
115	soldier beetle	02 - Coleoptera	Holometabolous	Chewing	Beneficial
116	southwestern corn borer**	10 - Lepidoptera	Holometabolous	Chewing	Pest
117	sphinx moth	10 - Lepidoptera	Holometabolous	Siphoning	Variable

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118	spider mite	23 - non-insects	Ametabolous	Piercing-Sucking	Pest
119	spinose ear tick	23 - non-insects	Ametabolous	Piercing-Sucking	Pest
120	spittlebug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
121	spotted cucumber beetle	02 - Coleoptera	Holometabolous	Chewing	Pest
122	springtail	03 - Collembola	Ametabolous	Chewing	Variable
123	squash bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
124	stag beetle	02 - Coleoptera	Holometabolous	Chewing	Variable
125	stonefly	18 - Plecoptera	Hemimetabolous	Chewing	Beneficial
126	sucking louse	17 - Phthiraptera	Hemimetabolous	Piercing-Sucking	Pest
127	sulphur butterfly	10 - Lepidoptera	Holometabolous	Siphoning	Pest
128	swallowtail butterfly	10 - Lepidoptera	Holometabolous	Siphoning	Beneficial
129	sweet potato weevil	02 - Coleoptera	Holometabolous	Chewing	Pest
130	syrphid fly	05 - Diptera	Holometabolous	Sponging	Variable
131	tarantula hawk	08 - Hymenoptera	Holometabolous	Chewing	Variable
132	tarnished plant bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
133	termite	09 - Isoptera	Hemimetabolous	Chewing	Pest
134	thrip	21 - Thysanoptera	Hemimetabolous	Rasping-Sucking	Variable
135	tiger beetle	02 - Coleoptera	Holometabolous	Chewing	Beneficial
136	toad bug	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Beneficial
137	tobacco hornworm**	10 - Lepidoptera	Holometabolous	Chewing	Pest
138	tree cricket	15 - Orthoptera	Hemimetabolous	Chewing	Variable
139	treehopper	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest
140	trichograma wasp	08 - Hymenoptera	Holometabolous	Chewing	Beneficial
141	tumbling	02 -	Holometabolous	Chewing	Variable

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	flower beetle	Coleoptera			
142	velvet ant	08 - Hymenoptera	Holometabolous	Chewing	Variable
143	viceroy butterfly	10 - Lepidoptera	Holometabolous	Siphoning	Beneficial
144	vinegaroon	23 - non-insects	Ametabolous	Chewing	Variable
145	walkingstick	16 - Phasmatodea	Hemimetabolous	Chewing	Variable
146	water boatman	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Beneficial
147	water strider	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Beneficial
148	whirligig beetle	02 - Coleoptera	Holometabolous	Chewing	Beneficial
149	white grub**	02 - Coleoptera	Holometabolous	Chewing	Pest
150	whitefly	07 - Hemiptera	Hemimetabolous	Piercing-Sucking	Pest