

Careers for Insect Biologists

		How Insect Biologists work				
	Basic life sciences	Pest management	Environmental & ecosystem sciences	Regulatory sciences	Education	Specialties
Feed the world	Plant and animal sciences; government, university, industry research	Plant and animal pest management, post harvest, food processing & food industry, basic and applied research, extension	Climate change, pollinator health, basic & applied research; government, universities, industry	Pesticide training & certification, pest surveillance, monitoring and quarantine; FDA, USDA, EPA, state agriculture and regulatory agencies	Ag pest management, universities, extension, industry	Pest consultant, beekeeping
Prevent spread of disease	Vector biology, pharmaceuticals; government, university, industry research	Vector & disease management, basic and applied research; extension	Climate change, basic & applied research; government, universities, industry	Vector & disease monitoring; CDC, FDA, EPA, US military, state and local public health agencies	Vector & disease management; government, universities, extension, industry	Public health consultant
Protect people and property	Pesticide modes of action, toxicology	Urban and industrial pest biology, toxicology, pesticide resistance management; government, university, industry research; extension	Climate change, basic & applied research; government, universities, industry	Pesticide training & certification; USDA, EPA, state agriculture and regulatory agencies	Urban pest management; government, universities, extension, industry	Pest management operator, airborn, business owner
Preserve species & protect the environment	Population biology, insect ecology & pathology	Invasive species management; government & university research; extension	Climate change, natural resource management, biodiversity & ecosystem services; basic and applied research; conservation agencies	Natural resource monitoring; USFWS, NPS, DOI, USFS, EPA, state departments of natural resources and environment	Natural resource and environmental management; government, universities, extension	Environmental consultant; museum curator
Solve crimes				Forensic practices and standards; DOI, state law enforcement agencies	Forensic practices and standards; government, universities	Forensic science
Teach science education					STEM education, life science education & outreach; universities, K-12, museums, zoos, butterfly houses, nature centers	Teachers and educators, biological illustrators; technical writer/editor
Other	Biomedical and biotechnology; government, university, industry research					Pharmacy, medicine, veterinary sciences

What Insect Biologists do

Insect Biologist jobs and areas of specialization

Life sciences	Pest management	Environmental sciences	Regulatory sciences	Education	Specialties
Pesticide discovery Toxicologist Population biologist Insect ecologist Insect pathologist Molecular biologist Geneticist Cell biologist Biochemist Immunologist Evolution & systematics Spatial biologist Arthropod genomics	Pest management specialist Field crops entomologist Horticultural entomologist Ornamental entomologist Turfgrass entomologist Veterinary/medical entomologist Urban & industrial pest management Forest entomologist Postharvest entomologist Food industry entomologist Insect diagnostician Crop consultant Vector biologist Pesticide development Pesticide resistance management Ag chemical & seed industries Agribusiness	Environmental scientist Insect taxonomist Biodiversity specialist Conservation organization specialist Environmental consultant	Quarantine officer Port inspector Survey entomologist Public health specialist Pesticide trainer Regulatory specialist Biosecurity specialist	Science educator Extension agent STEM outreach specialist Professor Ecotourism specialist	Bee keeper IPM field scout, consultant Bioillustrator Technical writer/editor Museum curator Arborist Forensic entomologist Insect rearing & colony maintenance Business owner