

**Senior Insect Biosystematist (Specialist)**  
*Knowledge, Skills, Abilities, and Personal Characteristics Statements*  
*Rating Results*

<b>KSAPC #</b>	<b>Knowledge, Skills, Abilities, and Personal Characteristics Statement</b>
K1	General knowledge of the taxonomy and economics of major plant pest insects, other arthropods, and mollusks of California, the United States, and globally.
K2	Knowledge of general principles and specialized and complex specific procedures and techniques used in identifying and curating a prescribed group of insects, other arthropods or mollusks.
K3	Knowledge of various literature pertaining to entomology, agriculture, horticulture, and native plants.
K4	Knowledge of various web resources pertaining to entomology, agriculture, horticulture, and native plants.
K5	Knowledge of the relationship of plants, plant pests, and pest control to agriculture and the environment.
K6	Knowledge of laboratory and curatorial techniques.
K7	Knowledge of appropriate application of analytical tools/techniques for resolving morphological or molecular diagnostics.
K8	Knowledge to a high degree of specialization in a prescribed group of insects, other arthropods, or mollusks.
K9	Knowledge of specialized and complex specific procedures and techniques used in identifying and curating a prescribed group of insects, other arthropods, or mollusks.
K10	Knowledge of current research literature and trends applicable to the prescribed research area.
K11	Knowledge of the related provisions of the California Food and Agricultural Code and rules and regulations pertaining to plant quarantines.
A1	Ability to demonstrate professional competence as a specialist in foreign and domestic members of a prescribed insect group.
A2	Ability to conduct highly specialized analysis and research.
A3	Ability to train technicians and other personnel in associated tasks.
A4	Ability to participate in program development and evaluation.
A5	Ability to make presentations to the general public (outreach), stakeholders, and clients.
A6	Ability to liaise in a professional manner with county, state, federal representatives, and the general public.

