



STATE OF NEVADA
Department of Administration
Division of Human Resource Management

CLASS SPECIFICATION

<u>TITLE</u>	<u>GRADE</u>	<u>EEO-4</u>	<u>CODE</u>
ENTOMOLOGIST	36	B	1.114

Under general direction, Entomologists conduct identification, survey, detection, exclusion, control and eradication of insects, and other arthropods, for the protection of the State's agriculture and natural resources in accordance with statutory requirements, agency policy and accepted entomology techniques.

Plan, organize, conduct and evaluate periodic and continuing surveys and detection programs to determine the presence and extent of insect and mite pests of regulatory significance to the State.

Identify insects, other arthropods and mollusks; collect or receive specimens; prepare for identification using specialized entomological techniques, materials and procedures including microscopic examination and comparison to specimens in the reference collection or in entomological taxonomic publications.

Consult with specialists regarding special insect identification problems; determine the characteristics, potential for destruction, control techniques, and concerns regarding the specific insect species identified, in order to provide for the protection of the agricultural industry.

Maintain a classified insect and plant reference collection, associated databases and reference literature; collect or receive specimens; identify by genus, species and sex; apply preservation techniques; assemble with pins, minutens, points or slides; organize within the existing collection, in order to develop a comprehensive source for identification and comparison of insects within various areas of the State.

Complete insect surveys and detection programs; determine target species, habitats and life history; plan and organize survey procedures and assigned personnel; plot areas to be surveyed and instruct survey force on detection techniques and methods; purchase apparatus to be utilized such as baits and traps; identify species collected; prepare and maintain files on insects in the State with special emphasis on those of agricultural significance; complete survey reports; evaluate potential impact of pests, and recommend control and eradication measures, in order to safeguard the agricultural industry and obtain information on insect populations and movements.

Provide Division staff, other agency personnel and the general public with technical information on insect life histories, habits, distribution, hosts and control methods; provide pesticide recommendations; perform field investigations relative to contradictory wood destroying pest reports; and prepare or update entomological questions for use on commercial pest control operator tests.

Coordinate the Cooperative Agricultural Pest Survey, including supervision of seasonal and permanent personnel, annual project writing and budget formulation; and narrative reports as required by federal agencies.

Coordinate the Mormon cricket and grasshopper survey and control program including supervision of seasonal and permanent personnel, project writing and budget formulation; plan and conduct large scale control programs, submitting financial and narrative reports as required by federal agencies.

Perform related duties as assigned.

MINIMUM QUALIFICATIONS

EDUCATION AND EXPERIENCE: Master's degree from an accredited college or university in zoological sciences specializing in taxonomic or systematic entomology and two years of professional experience in insect diagnostics; **OR** Bachelor's degree from an accredited college or university in zoological sciences specializing in taxonomic or systematic entomology and three years of professional experience in insect diagnostics; **OR** an equivalent combination of education and experience as described above.

ENTRY LEVEL KNOWLEDGE, SKILLS AND ABILITIES (required at time of application):

Working knowledge of: insect classification systems; insect life histories, habits and hosts; scientific literature pertaining to insect taxonomy; entomology laboratory equipment; techniques used in preparing and mounting insect specimens; survey procedures and methods; current developments and trends in the field of entomology; pesticides and other means of insect control; spreadsheet and database and presentation software. **Ability to:** use both compound and binocular microscopes and their accessories; identify insects and their characteristics; establish priorities; plan and organize an entomology program; prepare comprehensive reports; discuss and explain findings and problems; analyze problems and formulate practical solutions; establish and maintain a library and specimen collection.

FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES (typically acquired on the job):

Working knowledge of: distribution of major economic insects; other entomologists with expertise in various insect groups; agricultural programs; crops, plants, and geography of the State; federal grant requirements; Geographic Information System (GIS). **Skill in:** close-up photography of insects. **Ability to:** manage laboratory and specimen collection; supervise and train personnel in laboratory and survey work.

This class specification is used for classification, recruitment, and examination purposes. It is not to be considered a substitute for work performance standards for positions assigned to this class.

1.114

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