

MEDICAL ENTOMOLOGIST I

DESCRIPTION OF WORK

This is entomology work in the coordination of and participation in a statewide program designed to control, eradicate and prevent the spread of arthropods and rodents injurious to Public Health. Employee plans and coordinates work involving medical entomology, rodent control and solid waste control, and in the enforcement of state and federal laws and Public Health regulations pertaining to arthropod, rodent and solid waste disease control. Responsibilities in outstanding cases include decisions as to the severity of infestation, and to provide advice as to products necessary to eradicate pests and proper control treatments needed. Work is performed under the general supervision of a technical superior and is evaluated through written reports and periodic oral conferences reflecting the effectiveness of the inspection program.

EXAMPLES OF DUTIES PERFORMED

Plans and coordinates the work of field personnel in the surveillance of arthropods that are involved in the transmission of human diseases; when a problem is identified, local and state health officials concerned with epidemiological control are informed of the disease transmission potential and advice is given as to feasible solutions.

Identifies uncommon insects, rodents and diseases in the field and laboratory; recommends remedial controls.

Collaborates with federal and state officials on special projects for the control and eradication of extremely harmful arthropods which pose potential or immediate public health problems such as ticks, flies, fleas, and lice.

Prepares training courses and conducts classes for State and Local Health personnel as well as for other groups or individuals involved in the control of arthropods affecting the health of man.

Prepare requisitions for required purchases; assists in preparation of the sectional budget.

Gathers and prepares for presentation to legal authorities evidence concerning violations or other infractions of Impounded Water Regulations.

Performs related duties as required.

RECRUITMENT STANDARDS

Knowledges, Skills, and Abilities

Considerable knowledge of medical entomology, plant pathology, and horticulture.

Considerable knowledge of the laws and regulations governing sanitation and public health.

Ability to coordinate the work of subordinate personnel in the identification and control of arthropods harmful to public health.

Ability to identify uncommon pests and diseases and to formulate adequate measures for their control.

Ability to take malaria tests by the thick-thin blood slide technique.

Ability to establish and maintain effective working relationship with cooperating federal and state officials and the general public.

Minimum Education and Experience

Master of Science in entomology and two years' experience in a health related area; or graduation from a four-year college or university with a major in entomology and four years' experience in the identification and control of insects, pests and diseases injurious to human health; or an equivalent combination of education and experience.