

Entomologist / Entomologe

Kaiserslautern Area, 10th Medical Laboratory, Preventive Medicine Division,
Entomology Branch, 2 July 1982

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Duties

Performs professional work in the field of entomology, requiring completion of university study, including receipt of a diploma.

- Makes scheduled visits to military communities throughout USAREUR to provide technical review of total pest management program operations, to assure adequacy and compliance with standing instructions.
- Makes special visits to military communities throughout USAREUR in the event that serious infestations or problems develop that require professional investigation and consultation; following investigation and / or consultation provides recommendations on necessary control or corrective measure to be taken.
- Conducts various entomological special reviews, surveys, projects and insect resistance studies, and provides professional consultive advice as required.
- Coordinates with host nation and US agencies in such diverse fields as plant quarantine, movements of military cargo to prevent introduction of foreign pests, to comply with local laws to pest management and environmental protection, to provide the 10th Medical Laboratory and other interested agencies with the latest information on host country laws and regulations pertaining to pest management.
- Maintains liaison with counterpart unit of the German Bundeswehr and other professional entomological agencies of the host nation.
- Plans and conducts training sessions and seminars for pest management personnel, preventive medicine technicians, and other military and civilian groups covering professional and technical aspects of entomology and pest management operations.
- Devises and conducts extensive training courses preparatory for the accomplishment of special field surveys and other particular actions concerning prevention, detection, evaluation, suppression or control of insect infestations.
- Prepares training material to include lectures and lesson plans. Translates entomological – technical articles and pest identification keys from English into German and vice versa. Distributes / forwards translated material to participants of training courses or to pest management personnel in the field. conducts written and/or oral examinations to evaluate competency of personnel concerned.
- Demonstrates standard or non-standard pest management equipment and pesticides. Provides guidance on pesticide storage, handling, safety and related health aspects for pesticide applicator personnel.
- Maintains and is responsible for insect collections and insectary. Oversees routine care and maintenance of insectary performed by approx two military laboratory technicians.

Insures that living and preserved specimens are available for teaching and identification purposes. Monitors that colonies are maintained and built-up for pest resistance testing purposes. Adds properly prepared pest specimens to reference collection. Controls collection and submission of pesticide resistance testing.

- Formulates and recommends implementation of technical policies, guidelines, SOPs subject to approval by supervisor.
- Performs other duties as assigned.

Knowledge required by the position

Completion of university study in the field of entomology or closely related biological sciences, and experience.

Professional knowledge of pest management concepts, entomological principles and practices applicable to a full range of duties to provide professional consultive advice, to resolve community pest management problems associated with planning, conducting, evaluating, recording and reviewing of technical policies, guidelines, etc.

Professional knowledge and skill to assess effects of pesticides or pest management techniques on target and non-target organisms to include endangered or protected plant and animal species and their ecology, to coordinate with host nation, US agencies and to maintain liaison activities.

Professional knowledge and skill to plan, devise training material, to conduct sessions, courses and examinations, to maintain insect collection and insectary, to monitor colonies.

Knowledge and skill to select, demonstrate or utilize standard or non-standard pest management equipment and pesticides and provide guidance on pesticide storage, handling, and safety and related health aspects for pesticide applicator personnel.

Knowledge and skill in the training of pesticide applicators in German and English language.

Supervisory Controls

Works under general supervision on broad policy guidance of the military Chief, Entomology Branch who outlines long-range plans, objectives and results desired. Work is essentially independently performed within the framework of regulatory material and policy guidance established. Applies professional knowledge, experience and initiative in the accomplishment of assignments. Special problems or unusual requirements are discussed with supervisor. Work is evaluated in terms of results received and objectives met, soundness of conclusions, effectiveness of professional consultative services rendered and measures taken, and for compliance with policy guidance received, and regulatory material available.

Guidelines

Guidelines consist of US military pest management manuals and publications, text books, 7th Medical Command, US Army, DOD and host nation environmental protection regulations, manufacturers catalogues, and publications of professional societies. The employee is expected to become thoroughly familiar with US military regulations and guidelines and be able to select from among alternative approaches to modify and adapt guidelines when established practices are not adequate. Judgement and originality are required to correlate theoretical considerations with experience to develop pest management practices, plan and coordinate action promptly to assure effective responses to problems of individual military communities.

Complexity

Work consists of a variety of duties in a broad range of activities. Assignments involve solving pest management problems, telephonic or on site community pest management consultations, community pest management surveys, and environmental protection analyses. Training is provided by incumbent to pesticide applicators requiring certification, recertification or familiarization with new equipment or techniques.

Scope and Effect

The purpose of this position is to conduct community pest management surveys, conduct special pest management studies, provide training, maintain liaison with Major Commands / community entomologists, entomology technicians and local or host nation agencies. Results of this work affect the working and living environment and the safety and health of military and civilian personnel. The employee's recommendations and decisions impact 7th Medical Command, US Army and DoD's pest management program and conserve valuable resources while emphasizing environmental preservation.

Personal Contacts

Contacts are with military community commanders, officials, facilities engineering personnel, MEDCEN/MEDDAC personnel, and representatives of local and host nation agencies, and German Bundeswehr.

Purpose of Contacts

Contacts are to explain the purpose and function of the 7th Medical Command, US Army and DoD's pest management program, conduct community surveys and special investigations, provide professional consultative advice, resolve problems and make recommendations concerning pest management practices and programs, coordinate preventive measures with host nation agencies, maintain liaisons with counterpart unit of German Bundeswehr.

Physical Demands

Work is often of a sedentary nature. However, during community pest management surveys there is considerable walking, bending and stooping to examine pest management practices and look for evidence of pest infestation.

Work environment

Majority of work is in an office / laboratory setting. During visits to military communities there is recurring exposure to pesticide storage sites, pesticide equipment and pesticide mixing facilities. Special safety precautions are required and the incumbent must use protective clothing, safety glasses, gloves, etc.

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