

**Integrated Pest Management (IPM) Program Requirements for Operational Rations**  
**Applicable to all Operational Rations Facilities**

**28 April 2011**

**I. Scope and Applicability:**

**A.** All contractors and/or subcontractors who manufacture, repackage, store, assemble, or ship Government Furnished Material (GFM) and/or Contractor Furnished Material (CFM) used in the production and/or assembly of operational rations are required to have an integrated pest management program in place. The IPM program implemented needs to adequately protect products from infestation and/or contamination by insects (or other arthropods), rodents, birds, or other animals. Contractors/subcontractors supplying other than subsistence items for the Operational Rations programs are exempt from this requirement. However, suppliers of nonfood items must adhere to Good Manufacturing Practices so as to avoid the introduction of filth and/or pests into associated food manufacturing and assembly facilities.

**B.** The IPM program implemented shall comply with the Federal Food, Drug and Cosmetic Act; the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended; and any regulations promulgated there under.

**C.** SECTION RESERVED

**D.** Contractors and/or subcontractors of products with **Higher Level Quality Requirements** (documented Quality Systems Plan required) must submit the following to DLA Troop Support-FTS as part of their Quality System Plan:

**1.** A statement on whether service is in-house or provided by an external provider. If the service provider is external, submit the name of the company/provider. Additionally, a copy of the current pesticide applicator certificate/license shall be submitted for either in-house or external service providers.

**2.** A map of the facility indicating the location of pest management devices (pheromone traps, rodent control devices, etc.). If more than one facility is used (i.e. storage of ingredients or finished goods), a map for each facility is required.

**3.** A statement identifying the normal frequency (weekly, bi-weekly, etc.) of inspecting pest management devices by company personnel and/or contracted service, as applicable.

**4.** If pesticides are stored on site, how are they controlled (who has access, is the inventory monitored, etc.)?

**E.** The IPM program shall be in existence prior to contract award. The program will also be fully implemented prior to initial receipt, production, storage, assembly, or shipment of Operational Ration components, end items, or final assemblies. The Contracting Officer may take whatever action is deemed necessary to ensure full compliance with any and all aspects of the IPM program. The Government reserves the right to inspect the premises and associated products and materials and to reject those products and/or materials evidencing pest infestation/contamination or determined to be produced or held under insanitary conditions.

## **II. Integrated Pest Management (IPM) Program Concepts**

**A.** IPM may be defined as "the use of all appropriate technological and management techniques to bring about an effective degree of pest prevention and suppression in a cost-effective, environmentally sound manner". Accordingly, the goal of IPM is to minimize the adverse environmental impact of pesticides while achieving an acceptable level of control and cost effectiveness. The single most important aspect of IPM in the food processing and storage industry is SANITATION.

### **B. Basic IPM Program Elements**

1. Sanitation, housekeeping, and good manufacturing practices.
2. Continuous product and facility inspections to include a pest surveillance program, utilizing pheromone surveillance technology.
3. Proper facility design, maintenance, and physical pest exclusion.
4. Proper stock handling and warehousing techniques.
5. Appropriate use of mechanical pest control techniques and trapping strategies.
6. Proper selection and application of pesticides, using those of least toxicity where feasible.

**III. IPM Program Required Elements\*** \*This section (III.) contains those required elements of the IPM program for Operational Rations which should be addressed in the program implemented. All program elements should be addressed. Requests for waivers and/or modifications to any of the elements contained in the IPM program must be submitted in writing to DLA Troop Support- FTSB thru the Contracting Officer for consideration.

### **A. Sanitation, Housekeeping, and Good Manufacturing Practices**

1. At least one (1) week prior to the initiation of any associated contract operation, all portions of the subject facility shall be rendered sanitary and pest free. A

comparable level of sanitation will be achieved in all adjacent facility areas, even if not directly associated with Government contract operations.

2. Any equipment not required in the handling or processing of food or non-food items, and which is not a part of the required production/assembly process, shall be clean and properly maintained to preclude pest infestation/harborage.

3. Spilled food or ingredients, residue from damaged product, waste packaging or packing materials, and all other debris shall be cleaned up and properly disposed of by the end of each workday. Infested residue or debris will be disposed of immediately. Waste receptacles will be kept covered at all times.

4. Inbound conveyances will be inspected to determine that they have arrived in a sanitary and pest free condition. Evidence of conveyance infestation will be immediately reported to DLA Troop Support. Outbound conveyances will be inspected and rendered sanitary and pest free before loading.

5. Damaged product will not be placed in the general storage area. Damaged product discovered in the general storage area will be removed to a designated rework/salvage area. The rework/salvage area will be maintained in a highly sanitary and pest free condition at all times. Damaged product, which cannot be salvaged, will be expeditiously disposed of with the approval of the Contracting Officer when required.

6. Ingredient mixing/batching rooms/areas will receive detailed attention to sanitation requirements. Product residues associated with such operations will not be allowed to accumulate.

7. The facility grounds will be maintained in a neat and orderly manner, free of trash, debris, and accumulations of excess materials and equipment, which may provide harborage for insect and rodent pests. Dumpsters will be kept covered at all times.

#### **B. Product/Facility Inspections and Pest Surveillance**

1. All incoming products and materials, including packaging and packing materials will be inspected upon receipt for evidence of pest infestation/contamination. Special attention should be given to the receipt of raw ingredients and spices, as these items are highly susceptible to infestation.

2. Daily facility walk-through sanitary inspections should be conducted in order to identify damaged product, infested/contaminated materials, facility maintenance needs, and to evaluate the overall effectiveness of sanitation and pest management programs.

**NOTE:** The procedures in the following paragraph 3 must be fully implemented within thirty (30) days of contract award for solicitations containing this IPM program.

**3.** Insect surveillance will be accomplished by means of pheromone trapping, utilizing specific or combination pheromone traps to provide surveillance for the major stored product pest species commonly infesting processed foods and ingredient items. NOTE: If Pheromone traps are not utilized, the rationale for non-use should be clearly indicated in the plan.

**a.** Pheromone traps will be located at appropriate intervals throughout all ingredient and food component storage areas to provide for early detection of stored product insect activity. Pheromone lures will be periodically changed in accordance with the manufacturer's recommendations. Damaged and/or dirty traps will be changed when necessary.

**b.** Trap monitoring should be accomplished jointly by contractor and pest control subcontractor personnel when an external service provider is used. The in-plant Government Quality Assurance Representative (GQAR) shall have access to the monitoring records. Reports of activity over an extended period without action being taken shall be reported to the Contracting officer and DLA Troop Support-FTS. A written corrective and preventive action plan from the contractor will be requested if the problem persists.

**c.** If insect activity is observed within contractor facilities by the GQAR during the course of contract operations, exclusive of pheromone traps and electrocution devices, the GQAR shall immediately, verbally, notify the contractor and confirm this in writing. A copy of the written report shall simultaneously e-mailed to the Contracting Officer and DLA Troop Support-FTS. The contractor shall take immediate action and submit a written corrective plan (including specimen identification by the Contractor's Pest Management Company or Qualified Pest Management personnel) within 5-working days to the Contracting Officer and DLA Troop Support-FTS.

### **C. Facility Design, Maintenance, and Pest Exclusion**

**1.** Roofs and walls will be maintained in a good state of repair to prevent leaks and accumulations of standing water.

**2.** All holes or gaps in interior and exterior walls will be sealed as necessary on a continual basis.

**3.** All exterior openings, including windows, air exchangers (unless fitted with operable louvers), vents, and doors which may remain open, will be properly screened.

**4.** All door entrances will be self-closing and constructed of rodent-proof material in such a manner to preclude rodent entry when closed. Cargo or dock doors will be equipped either with inflatable/adjustable boots, full-length vinyl strips, and/or properly functioning air curtains. Cargo doors left open for ventilation will be fitted with framed screen inserts to prevent insect entry.

5. Cleaning and caulking/sealing of facility floor and wall cracks/joints should be attended to as necessary on a continuing basis.

#### **D. Stock Handling and Warehousing Techniques**

1. Infestible food components and ingredients will be stored a minimum of 18 inches away from all walls and partitions. Inspection aisles of not less than 18 inches will be maintained between each two (2) rows or stacks of subject product. Pallet rack systems are acceptable as long as all product is readily accessible for inspection. Infestible ingredient items, when stored in rack systems, will be located at the lowest levels and consolidated for ease of monitoring and surveillance.

2. Two or more infestible components will not be located on a single pallet.

3. Proper stock handling practices, designed to minimize product damage, will be enforced throughout the course of contract operations.

4. Commercial ingredient items of an infestible nature will be stored separately from ingredient items used in the Government contract operation. Remaining commercial components and end items will be segregated to the maximum extent possible, given the physical constraints of the storage facility.

#### **E. Mechanical Control and Trapping Strategies**

1. Mechanical rodent control devices and/or traps may be utilized in any area of the food processing and storage facility as long as they do not interfere with normal production operations. These devices are used in lieu of bait stations containing rodenticides. If food type bait materials are used in conjunction with traps, they should be monitored for potential insect infestation. A map or layout of all facilities showing the existing or intended locations of mechanical rodent control devices will be included.

2. Rodent glue boards may be utilized as required for control and also as a means of rodent surveillance.

3. Reliance on magnetic or sonic repelling devices for insect, rodent, and/or bird control is not recommended.

4. Properly approved and installed insect electrocution devices may be utilized in all areas of the facility at the discretion of the contractor. Electrocution devices will be maintained in a clean and sanitary manner and positioned so as not to contaminate food products or food contact surfaces.

#### **F. Pesticide Selection and Application**

1. Applicator and Pesticide Documentation

a. The application of pesticides, categorized as "Restricted Use" by the Environmental Protection Agency (EPA), will only be performed by properly trained and certified pesticide applicators. Legible copies of valid State applicator licenses/certifications for in-house (contractor) personnel applying "Restricted Use" pesticides on the premises will be provided. Legible copies of product labels for any "Restricted Use" pesticide proposed for use will be available for on-site review and/or provided upon written request from the Contracting Officer.

b. The application of "General Use" pesticides may be performed by trained persons. Individual State restrictions may apply to the application of "General Use" pesticides in a commercial food processing and/or storage facility. The names and qualifications for in-house personnel applying "General Use" pesticides on the premises will be provided, if not commercially certified as above. Legible copies of product labels for any "General Use" pesticide proposed for use will be available for on-site review and/or provided upon written request from the Contracting Officer.

2. The selection, application method, and frequency of application for residual insecticides, flushing agents, space treatment chemicals, insect growth regulators, rodenticides, and herbicides will be left to the discretion of the contractor or the pest control subcontractor. Pesticide application and treatment records will be kept for each facility treated and will be maintained for a minimum of one (1) year. These treatment records will be made available to the Government upon request and will be reviewed during Quality Systems Audits or other visits to the establishment.

**NOTE:** Residual insecticides applied in processing facilities, which fall under the jurisdiction of the USDA Food Safety and Inspection Service (FSIS) - Meat and Poultry Inspection Office (MPIO), will be applied in accordance with MPI directives and with the approval of the GQAR in Charge.

**NOTE:** In no case will product, pouches/pouch material, meal bags/material, lids, cans, accessory bags, or unassembled component items be exposed during pesticide applications.

3. Facility exterior perimeter rodent bait stations, containing an EPA approved rodenticide, are required. Bait stations will be of the tamper proof type and secured for safety. The locations of the exterior bait stations will be indicated on the facility maps or layouts. Rodenticides will not be used in processing, assembly, or storage areas.

4. If a requirement exists for the use of toxic rodent tracking powders, a DLA TROOP SUPPORT entomologist will first be notified and approval granted for such use. Nontoxic tracking powders may be utilized at the discretion of the pest control service person.

5. A fumigation capability must be available in the event either product or facility fumigation becomes necessary. If fumigation is necessary, DLA Troop Support may request the source of the capability and a copy of the subject certification be

provided.

**NOTE:** Retorted and pouch sealed components, as well as final assembled rations, will not be fumigated unless authorized by the Contracting Officer (and as recommended by the DLA Troop Support Food Safety Office or DLA Troop Support-FTS).

#### **IV. Required Notifications**

**A.** Intended changes, additions, deletions, or other proposed modifications to an IPM program which impacts products intended for Government use will be submitted to the Contracting Officer for evaluation by a DLA Troop Support-FTS before implementation.

**B.** The Contracting Officer shall be immediately informed of any infestations found in product, packaging supplies, or within the facilities themselves. Immediate telephonic and/or e-mail notification to the Contracting Officer and DLA Troop Support-FTS is required by the contractor and/or the GQAR as applicable.

**C.** The GQAR and/or DLA Troop Support-FTS will inform contractors of unfavorable pest situations, as they are determined or observed during daily sanitary inspections or during audits. The contractor is required to submit a corrective and preventive action plan describing what actions are being taken to correct the unfavorable situation.