

DEPARTMENT OF THE ARMY
US ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
ABERDEEN PROVING GROUND, MD 21010-5403

PEST MANAGEMENT BULLETIN

The *Pest Management Bulletin*, a quarterly publication of the U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM) Entomological Sciences Program, is devoted to keeping installation pest management and preventive medicine personnel informed and up-to-date in the rapidly changing field of pest management.

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This Bulletin is designed to keep you informed. Therefore, your comments and suggestions are welcome. If you have a problem, a solution, or a personal observation about any aspect of pest management, please send it to us. Write to the following address: Commander, US Army Center for Health Promotion and Preventive Medicine, ATTN: MCHB-TS-OEN (*Pest Management Bulletin*), 5158 Blackhawk Road, Aberdeen Proving Ground, MD 21010-5403, or call us at DSN 584-3773 or commercial (410) 436-3773.

The contents of the Pest Management Bulletin and views expressed are at the discretion of the editor and staff of the Entomology Programs. They do not represent official views or policies of USACHPPM or the U.S. Army. Mention of a pesticide or a commercial product does not constitute an endorsement or recommendation of this product by the Entomology Program, USACHPPM, or the U.S. Army. Reproduction of this bulletin or use of any portion thereof, except by Federal agencies, is not allowed without specific written permission from USACHPPM.

<http://chppm-www.apgea.army.mil/ento>

NEWLY REVISED CHPPM ENTOMOLOGY WEBSITE



If you have visited our website (<http://chppm-www.apgea.army.mil/ento>) recently, you noticed that we have changed the look and have added much new content. The site now contains most of our information on [tick-borne illnesses and diseases](#), and information on the [DoD Tick Test Kit Program](#). Please stop by and “Take a look!”

Additionally, we have added a significant amount of information on the West Nile Virus. [The FY 2001 North Atlantic Regional Medical Center \(NARMC\) Guidelines for West Nile Virus Encephalitis Surveillance, Prevention and Control](#) are now available as well as the [USACHPPM-North West Nile Surveillance Guide](#), fact sheets on the virus and links to other West Nile Virus sites.

As always, if you encounter any problems with the site or have any questions concerning the material, please contact Ken Olds at Kenneth.Olds@apg.amedd.army.mil. We always look forward to your comments and suggestions.

EPA PESTICIDE LABEL INFORMATION AVAILABLE



EPA, through its Consumer Labeling Initiative program, has developed a new web site with an interactive pesticide label. As you move the cursor over each part of the label, a pop-up screen explains that part of the label. This site is located at: <http://www.epa.gov/pesticides/label/>

EPA has also begun a national ad campaign to encourage people to read the pesticide label. This campaign consists of radio spots and billboards on trucks. The truck billboards will be in metropolitan areas in many states and will travel interstate between metropolitan areas.

For more information on the Consumer Labeling Initiative program, visit the EPA website at <http://www.epa.gov/opptintr/labeling/index.htm>

EUROPEAN UNION, PINWOOD NEMATODES AND DOD



What do the European Union, pinewood nematodes and DOD have in common? Recent introduction of the pinewood nematode into the European Union (EU) has prompted the EU to establish emergency measures to limit the spread of the pest. These emergency measures will affect the way in which material will be shipped into the EU. The following information paper, developed by the USDA/APHIS, explains the measures being taken by the EU.

INFORMATION PAPER

SUBJECT: Issues Concerning Non-Manufactured Wood Packing to the European Union

1. Purpose. To provide information regarding the European Union's (EU) Emergency Decision on pine-wood nematodes in wooden pallets and the impact on shipments of Army/DoD cargo to the EU.

2. Background. Increased concerns about the invasive species, the pinewood nematode, led the EU to issue an Emergency Decision on 12 March 2001 that would regulate Non-Manufactured Wood Packing Material (NMWPM) shipped into the EU as early as 1 October 2001. Most DoD cargo is palletized, crated, boxed and/or blocked and braced with NMWPM. The EU emergency decision only covers NMWPM constructed of softwood (coniferous wood) and it does not cover dunnage. Wood products such as plywood, particle board, or oriented strand board is considered as 'manufactured' because the processing kills any organisms that might have been present. The receiving country will have the responsibility to adopt and enforce these regulations. The EU countries are Austria, Belgium, Denmark, Finland, France, Germany, Greece, Italy, Luxembourg, Ireland, the Netherlands, Portugal, Spain, Sweden and the United Kingdom.

The United Nations (UN) International Plant Protection Convention (IPPC) is also drafting a similar measure that would establish international standards on NMWPM by April 2002. For the IPPC standard, NMWPM is defined as non-manufactured wood pallets, skids, boxes, crates, block and bracing and dunnage material that has not had sufficient processing to kill pests present in the raw wood. The International Standard, scheduled for approval in April 2003, will cover both hardwood and softwood (coniferous) NMWP, will apply to all countries, and currently will only allow heat treatment as a universal option. Arrangements to allow fumigation, chemical pressure impregnation, or other heat treatment mentioned below would have to be negotiated between the exporting country and the importing country.

The DoD Joint Working Group on Wood Infestation Issues (JWGWII) has been working with U.S. Department of Agriculture, Animal and Health Inspection Service (USDA, APHIS), who represents the U.S. at IPPC meetings, to determine the impact of the pending EU/UN regulations. Both the EU and the draft IPPC standards have adopted heat treatment (HT) or kiln dried heat treated (KD HT) at 56 C° (133 F°) for 30 minutes (56/30) as the only universally approved phytosanitary measures (i.e., regulatory action) that will prevent the introduction and/or spread of this pest. HT is accepted worldwide as the safest, inexpensive and most effective means of preventing the introduction/spread of pests. The EU measures require a stamped, branded, or labeled marking on the NMWPM. This marking must be placed on 2 sides of the wood product and be visible to inspectors.

The American Lumber Standards Committee (ALSC) and USDA, APHIS are working with the U.S. lumber and packing industries to develop policy and a system of monitoring and certifying inspection agencies. These agencies will audit the manufacture of HT wood and the construction of NMWPM and to assure that compliant wood packing material are appropriately marked. The ALSC has had a system in place for monitoring softwood lumber grading agencies for many years. They are expanding the process to cover both hardwood and softwood packing material to satisfy the IPPC requirements. They have agreed to train and certify DoD pallet makers and inspectors at DoD depots if these operations meet the program's standards.

Most Army/DoD general use pallets are softwood and will probably be cycled through the Army/DoD supply system within a few years. Ammo pallets are primarily hardwood and may remain in storage for years. Although hardwoods, for the most part, are not infested with nematodes, they are host to other pests of concern and will be regulated under the IPPC standard. Because most regulatory officials can-

not tell the difference between hard and soft woods, all NMWPM entering the EU should be treated and marked.

The Defense Logistics Agency has tested a commercially available heating unit to treat pallets and other wood products. These modified 40 ft. container size units can heat up to 180 F° for a 24-hour period and cost approximately \$1.00 per hour of use. Purchase price of a refurbished/modified unit is approximately \$20K. It is possible that such modified equipment could be used and approved to treat existing NMWPM or new hardwood pallets if negotiated with the EU and UN.

3. Issues.

(1) The immediate milestone for the Army/DoD is compliance with the EU Emergency Decision for NMWPM going to the EU countries; the longer-term issue is compliance with the UN IPPC standards for wood.

SUBJECT: Issues Concerning Non-Manufactured Wood Packing to the European Union

(2) Commands in the Army and DoD are trying to address the costs, acquisition procedures, and certification necessary to deal with the EU Emergency Decision and UN international standards.

(3) Commands are especially raising great concern for the appropriate and most cost effective way(s) to handle old pallets presently in the Army/DoD inventory. Many of these pallets are loaded and banded with supplies and munitions and are often already prepositioned.

(4) Because this is a complex issue involving many organizations and agencies, the primary leadership and management responsibility for this issue within the DoD, the Components, and the Army is not clear.

(5) This issue has the potential to impact readiness and training for several years until all Army/DoD NMWPM meets EU Emergency Decision and UN international standards.

Additional Information/Frequently Asked Questions (Attachment 1)

NPDES AND MOSQUITO CONTROL



A recent 9th Circuit Court of Appeals decision rules that a National Pollution Discharge Elimination System (NPDES) permit is required when applying pesticides to navigable waters. In essence, this means that when you are treating any navigable waters, e.g., mosquito larvaciding, a NPDES permit is required. The following fact sheet and accompanying letter to the EPA Administrator, details the scope of the problem.

FACT SHEET CONCERNING

Headwaters, Inc., et al. v. Talent Irrigation District

- On March 12, 2001, the 9th Circuit Court of Appeals filed its decision in *Headwaters, Inc., et al. v. Talent Irrigation District*, No. 99-35373 (“Talent” case.)

- The plaintiffs, two environmental advocacy groups, commenced litigation against Talent Irrigation District, located in Oregon, to preclude the District's use of an herbicide (Magnacide H, which contains the active ingredient acrolein) to canal water to kill weeds and algae. The plaintiffs asserted that such treatment could not occur without the defendant first obtaining a permit under the National Pollution Discharge Elimination System ("NPDES"). Plaintiffs asserted that failure to have an NPDES permit violated section 301(a) of the Clean Water Act, 33 U.S.C. 1311(a).
- Section 301(a) of the Clean Water Act prohibits the discharge of pollutants from a point source into navigable waters of the U.S. unless such discharge is authorized by an NPDES permit issued under section 402 of the Clean Water Act.
- Penalties for discharging without a permit include criminal penalties and civil penalties (for example, up to \$25,000/day). Cases may be instituted by either the government or by citizen's suits. In the latter case, attorneys fees can be awarded.
- The 9th Circuit decided that the plaintiffs were correct and that an NPDES permit was required for the treatment to go forward.
- EPA has *never* required an NPDES permit for a person adding a pesticide to water in accordance with the product labeling. Further, the Agency has *never* instituted an enforcement action against any such person for failing to have an NPDES permit.
- Requiring the issuance of such NPDES permits prior to the application of a public health pesticide will jeopardize the public's welfare and safety.
- EPA and the states are not equipped to develop an NPDES permit system.
- Requiring a permit in such circumstance will delay and jeopardize the treatment of public health disease vectors such as mosquitoes that may be carrying the West Nile virus, encephalitis and dengue fever.
- Such a permit system also presents another means by which advocacy groups can prevent spraying either by challenging the lack of a permit, the conditions in any permit issued or the "record" which has been developed to support the permit being issued. Procedurally, a permit system does not comport with these human disease control programs.
- A better position is to have EPA do two things, namely: (i) support an appeal of the Talent decision to the Supreme Court, and (ii) issue an interpretive rule substantially limiting the scope of the 9th Circuit decision. The interpretive rule would state the Agency's policy that the application of a pesticide to water in accordance with the product's labeling would not be considered a pollutant for which an NPDES permit is required.

- In the absence of such action, each vector control district is in substantial jeopardy for failure to have such a permit, particularly from citizen's suits.
- Each member of Congress should be requested to sign the attached "Dear Colleague" letter to Administrator Whitman. EPA must take the approach that NPDES permits are not required rather than having the states try to establish a bureaucracy to develop such permits.

SUGGESTED DRAFT
05/03/2001 5:28 pm

The Honorable Christine Todd Whitman
Administrator
U.S. Environmental Protection Agency
401 M Street, S.W., Room W1200
Washington, D.C. 20460

Dear Administrator Whitman:

The undersigned Members of Congress are requesting your assistance in a matter of great importance to the continued protection of public health, aquatic resources and recreation, and the nation's food supply. This involves EPA's response to the decision of the Ninth Circuit Court of Appeals in the case entitled *Headwaters Inc. v. Talent Irrigation District*. We are concerned that this decision may be interpreted to mean that the application of a pesticide to water requires the issuance of a National Pollution Discharge Elimination System (NPDES) permit under the Clean Water Act prior to any such application. Such an interpretation would dramatically negatively impact the following government-supported programs:

- mosquito control programs to prevent the spread of West Nile Virus, encephalitis and dengue fever;
- weed control programs utilized in the nation's streams and lakes to protect aquatic habitat, native species, navigation and recreational boating and swimming; and
- weed control programs utilized in irrigation canals to insure that necessary irrigation water gets to crops.

We understand that your Agency has never required the issuance of an NPDES permit for such pesticide application activities. We further understand that no Federal or State enforcement actions have ever been brought against pesticide applicators under such programs for failure to have an NPDES permit. We believe that your registration of these pesticide products under the Federal Insecticide, Fungicide, and Rodenticide Act has in fact included specific evaluations of data to insure that such products will not have a deleterious impact upon the nation's waters if label instructions are followed.

An interpretation that NPDES permits are now required in such instances is contrary to Congressional intent, unnecessary for environmental protection, would significantly hinder the government's ability to protect public health, aquatic resources and the food supply and would needlessly create additional burdens for EPA, the States, and the applicators of such products.

In view of the foregoing, it is respectfully requested that your Agency consider two actions. First, seek the approval of the Department of Justice to support a review of the Ninth Circuit decision by the U.S. Supreme Court. Second, the Agency should immediately issue an interpretive rule advising the public (and the States) that applications of pesticides to waters of the United States in accordance with label instructions does not render the pesticide a pollutant within the meaning of the Clean Water Act and therefore, such application does not require an NPDES permit. These actions could reduce, if not eliminate, the uncertainty and confusion which now surrounds this issue and avoid potential significant disruption of these important programs.

Your consideration of this request is greatly appreciated.

WHAT'S UP DOC?



IMPROVED HOT WATER WEED CONTROL SYSTEM

BERKELEY, Calif. – The Waipuna weed control system uses boiling water and a biodegradable foam to control weeds without using chemicals:

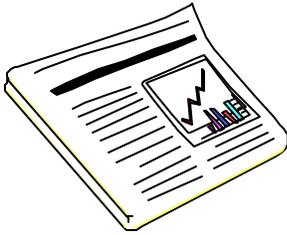
<http://www.lawnandlandscape.com/features/feature.asp?ID=69>

GETTING RID OF GEESE FOR GOOD

CHICAGO – The nationwide increase in the goose population has become a serious problem with damage to turf areas and an abundance of unsightly and unsanitary goose droppings:

<http://www.lawnandlandscape.com/features/feature.asp?ID=70>

IT'S IN THE NEWS



Kentucky Foal Losses are Blamed on Caterpillars

Reuters

Lexington, KY – Recent miscarriages or delivery of dead foals has been attributed to Eastern tent caterpillars that are feeding on black cherry trees.

It appears that the caterpillars feed on the black cherry tree. These trees contain large amounts of naturally occurring cyanide, to which the caterpillars are immune. The mares then, are eating grass contaminated by the feces of the caterpillars.

Originally, scientists had thought toxin-producing molds had attached to grass in the pastures, which in turn had caused the reproductive problems in the mares. But, scientists told breeders that the cause of the foal deaths was likely the caterpillar and the cyanide-producing trees. (Baltimore Sun, May 26, 2001)

Pesticide Spill Forces Plane To Land

April 24, 2001

Web posted at: 9:34 AM EDT (1334 GMT)

PHOENIX, Arizona (AP) -- An American Airlines jet made an unscheduled landing Monday because pesticide, leaking from a carry-on bag, made passengers feel ill.

Three passengers on the flight from Los Angeles to Miami were hospitalized and released. The plane, which had 167 people on board, later left Phoenix for Miami.

Several passengers complained of nausea and difficulty breathing after they were exposed to concentrated diazinon, a common pesticide, said fire department spokesman Doug Mummert.

He said the pesticide, which is widely available in home-improvement stores, had leaked from a bottle in a passenger's bag and onto the plane's carpet. The three people taken to the hospital had been sitting next to the spill and inhaled the fumes, Mummert said.

Federal Aviation Administration spokesman Jerry Snyder said officials believed Gilberto Villeda of El Salvador took the pesticide on the plane by mistake. He was not detained but the FAA was considering fining him because the pesticide is forbidden on passenger flights, Snyder said. CNN.com - Travel - Pesticide spill forces plane to land - April 24, 2001.

Plague, Prairie Dog, Other Rodents - Usa (Colorado)

A ProMED-mail post

Date: 23 May 2001

From: ProMED-mail <promed@promedmail.org>
Source: Denver Post, 23 May 2001 [edited]

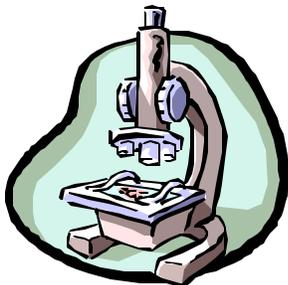
LAKEWOOD, Colorado: Plague (caused by the bacterium *Yersinia pestis*) has infected prairie dogs near Bear Creek Lake Park, and the disease could be spreading among rodents from Morrison to Green Mountain Open Space Park. Health officials are advising park visitors and residents to stay away from rodents. Plague can be carried by various rodents besides prairie dogs, including squirrels, mice, pack rats, and rock squirrels.

Signs posted along trails in Bear Creek Lake Park warn horse and bike riders to stay away from the prairie dog colony between the lake and US Highway 285. Almost the whole colony has been wiped out, but no human infections have been reported. The plague bacillus is carried by fleas on rodents. It causes sudden high fever, chills, headache, and swelling and extreme pain in a lymph node typically in the groin or axilla. [classic signs of the bubonic form of plague. - Mod.TG]

Human infection from plague-carrying rodents is rare, but at least one or 2 human cases are reported to the state each year. In half the cases, family pets have had contact with a rodent and brought the infected fleas home. Since 1957, 48 human cases have been recorded in Colorado, 7 of which were linked to prairie dogs, with the remaining cases stemming from other rodents, pet contact, or undetermined causes, according to John Pape, an epidemiologist with the Colorado Department of Public Health and Environment. Two of the 7 cases caused by infected prairie dogs were people who skinned infected prairie dogs.

The infection among rodents is cyclical, with the plague passing through colonies every 5 to 10 years. The last severe infestation occurred from 1992 to 1994, hitting colonies across the state. This year, the plague in prairie dog colonies has been reported in Adams, Pueblo, and Larimer counties, said Jim Dale, Jefferson County's director of environmental health services.

FEARS ABOUT 2,4-D PESTICIDE UNFOUNDED



March 14, 2001
The Expositor (Brantford, Canada)
A8

Donald Page, Executive Director Industry Task Force II on 2,4-D Research Data, Swansboro, N.C., writes in this letter that a number of readers have faxed him the recently published letters on pesticide use written by Noel Almond, Joyce Knapp and Doris Marcellus. Page says that the three writers present the usual litany of allegations that pesticides are inadequately researched, are carcinogens, mutagens, teratogens, "endocrine disrupters" and present particular hazards for children.

Noel Almond cites the May 2000 report of the House of Commons Standing Committee on Environment and Sustainable Development to support his views, but, like the good activist he is,

conveniently ignores the Canadian Government's 32-page response to that committee's report, which included that paragraph, "The hazard, exposure and risk assessments (conducted by the Ministry of Health's Pest Management Regulatory Agency) specifically include consideration of the potential effects of a pesticide on fetuses, infants, children, pregnant women, seniors, applicators or agricultural workers. The toxicology studies are conducted to assess the potential effects during preconception, through the reproductive and developmental life cycle, the post-natal period, weaning and through adulthood. Assessment of children's potential exposure includes direct and indirect skin contact with surfaces treated with pesticides, ingestion through the transfer of residues from the hands to the mouth, soil ingestion and inhalation. Children's unique play and activity patterns, including higher contact with surfaces and increased teething and mouthing activity, and children's unique physiology, are factored into these exposure estimates. The unique food consumption patterns of infants and children are considered, including their consumption of maternal milk, packages milk and fruit juice."

Page says that 2,4-D is the most widely used lawn care herbicide in Canada and the most widely used agricultural herbicide in the world, a position it has held since its introduction in 1947.

Recent studies conducted by both Ag Canada and the U.S. Department of Agriculture have concluded that the loss of the herbicide 2,4-D would cost Canadian and American consumers more than \$2.7 billion annually in higher food prices and other lost economic benefits.

The 2,4-D toxicology data package now includes more than 4,000 peer reviewed, published studies in the scientific literature, plus more than 100 published studies pertinent to 2,4-D in the epidemiology data package.

Add to this the hundreds of studies required by regulatory agencies around the world. More than 300 new research studies on 2,4-D have recently been completed to meet the pesticide reregistration programs currently mandated by Canada, the U.S. and the European Union.

For the record, U.S. EPA's current toxicology profile of 2,4-D cites the herbicide as "non-carcinogenic, non-mutagenic and non-teratogenic," and the most recent review of 2,4-D by the World Health Organization agrees.

With regard to the "endocrine disruption" hypothesis, the U.S. EPA has recently cited 2,4-D as a compound "known to have no endocrine effect."

2,4-D has now been reviewed by more than a dozen government or independent expert panels, including the Canadian Centre for Toxicology review for the Ontario Ministry of the Environment, and the National Cancer Institute of Canada.

All expert panels concluded that the continued use of 2,4-D poses no unreasonable risk to humans or the environment. This is a very far cry from how the herbicide is presented to the public by the various anti-pesticide advocacy groups.

Copies of many of the studies and reports mentioned in this letter can be seen on the Internet at www.24d.org.

(AGNET MARCH 14, 2001 – II)

2001 WEST NILE VIRUS UPDATE



With the spring/summer season just beginning, crows, positive for West Nile Virus (WNV), are already being discovered.

New Jersey - In total, 5 crows found in Bergen and Middlesex Counties have tested positive for the presence of West Nile virus (WNV). The positive crows were found as follows: 30 April 2001, one crow in Upper Saddle River (Bergen); on 3 and 4 May 2001, 2 crows in Edison; on 8 May 2001, one crow in Iselin; and on 10 May 2001, one crow in Piscataway (Middlesex).

Maryland - Baltimore, MD reported that a crow tested positive for WNV in mid May of this year. The bird was one of 94 that have been tested this year by state health authorities and was the first confirmed case of West Nile virus.

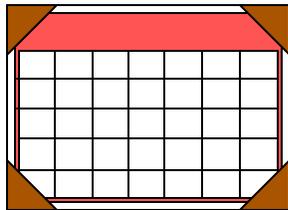
Connecticut - On Wed 23 May 2001, the State Mosquito Management Program announced the first bird positive for West Nile virus (WNV) in Connecticut, submitted from Milford and tested through the state's bird surveillance system.

These early findings may be a portent of things to come.

For more information on the DoD West Nile Virus program, visit: [The FY 2001 North Atlantic Regional Medical Center \(NARMC\) Guidelines for West Nile Virus Encephalitis Surveillance, Prevention and Control.](#)

UPCOMING EVENTS

***** 2001 *****



JUNE

1 June - 6 June 2001. **INVASIVE ALIEN SPECIES AND THEIR MANAGEMENT**, as part of the Pacific Science Intercongress, Guam, USA. Contact: R. Muniappan, RMuni@uog9.uog.edu.

5 June – 6 June 2001. **PestEx-ProtEx 2001**, NEC Birmingham, England. Contact: Christine McGee, BPCA, 01332 294288, FAX 01332 295904 or email: enquiry@bpca.org.uk

14 June 2001. **Maryland State Pest Control Association's Ant ID and Pest Management Strategies school dinner meeting.** Snyder's Willow Grove. Contact: 800-237-1269.

14-18 June 2001. **Texas Pest Control Association (TPCA) Alliance 2001 Four-Night Caribbean Cruise.** Contact: Beth Brooks, TPCA, 512-835-2801.

16 June - 30 June 2001. **Biology of Disease Vectors (Mini-Symposium: Tick and Tick-Borne Diseases)**, University of South Bohemia, Czech Republic. Contact: <http://www.scisite.com/bdv/app.htm> or Dr. Libor Grubhoffer, Institute of Parasitology, Branisovska, 31, 370 05 Ceske Budejovice, Czech Republic, Phone +420 38 00 351, <mailto:liborex@paru.cas.cz>.

18 June - 7 July 2000. **51st ACAROLGY SUMMER PROGRAM AT OHIO STATE UNIVERSITY**, Columbus, OH, USA. Contact: G..Needham, Acarology Lab BioSci. Room 272, Ohio State Univ., 484 W. 12th Ave., Columbus, OH 43210, USA. E-mail: needham.1@osu.edu. Fax: 1-614-292-7774. Website: www.biosci.ohio-state.edu/~acarolog/sum2k1.htm Phone: 1-614-688-3026.

20 June 2000. **Missouri Pest Control Association (MPCA) Board Meeting**, Jefferson City, MO. Contact: 800-848-MPCA.

25 June - 27 June 2001. **Florida Pest Control Association Convention**, Marriott;s Marco Island Resort & Golf Club, Marco Island. Contact: Dawn Rivera, 800-426-4829.

JULY

2 July - 5 July 2001. **13th Entomological Congress**, organized by the Entomological Society of Southern Africa and the University of Natal, Pietermaritzburgh, KwaZulu-Natal. Contact: Professor Denis J. Brothers, e-mail: brothers@nu.ac.za or call (+27) (0) 33-260 5106.

15 July - 18 July 2001. **AQUATIC PLANT MANAGEMENT SOCIETY ANNUAL MEETING**, Minneapolis, MN, USA. Contact: R. Gunkel, <Gunkelr@wes.army.mil>. Website: www.apms.org.

AUGUST

2 August – 5 August 2001. **The Practice of Biological Control: Importation and Management of Natural Enemies and Agents**, Montana State University, Bozeman, MT. Contact: Tim King, Tim Kring, tkring@uark.edu or the website at http://opal.msu.montana.edu/conf_services/biocontrol/index.htm

9 August 2001. **Missouri Pest Control Association (MPCA) Recertification Day**, Columbia, MO. Contact: 800-848-MPCA

13 August - 24 August 2001. **Seventh International Dengue Course**, Havana, Cuba. Contact: Prof. Maria G. Guzman, Instituto "Pedro Kouri", Autopista Novia del Mediodia, Km 6 P.O. Box 601, Mnao. 13, Ciudad Habana, Cuba, Tel: 53-7-220450.

14 August - 17 August 2001. **4TH ASIA PACIFIC CONFERENCE ON ENTOMOLOGY**, Kuala Lumpur, MALAYSIA. Contact: I.A. Ghani, School of Env. & Nat. Res. Sci., Fac. of Sci./Tech., Univ. Kebangsaan Malaysia, 43600 Bangi, Selangor D.E., MALAYSIA. E-mail: IdrisGh@ukm.my. Web: www.mapps.org.my/mapps/APCE.html.

25 August - 29 August 2001. **SOCIETY OF NEMATOLOGISTS ANNUAL MEETING**, Salt Lake City, UT, USA. Contact: A.P. Nyczepir, USDA-ARS, 21 Dunbar Rd., Byron, GA 31008, USA. E-mail: anyczepir@byronresearch.net. Fax: 1-912-956-2929. Phone: 1-912-956-6438.

25 August - 29 August 2001. **AMERICAN PHYTOPATHOLOGICAL SOCIETY ANNUAL MEETING**, Salt Lake City, UT, USA. Contact: APS, 3340 Pilot Knob Road, St. Paul, MN 55121-2097, USA. E-mail: aps@scisoc.org. Fax: 1-612-454-0766. Website: www.scisoc.org

27 August - 30 August 2001. **Certified Pest Control Operators Association of Florida (CPCO) Conference**, Disney Wyndham Palace, Orlando, FL. Contact: CPCO, 954-724-8806

SEPTEMBER

9 September - 14 September 2001. **3RD EUROPEAN VERTEBRATE PEST MANAGEMENT CONFERENCE**, Kibbutz Ma'ale Hachamisha, ISRAEL. Contact: Ortra Ltd., PO Box 9352, Tel Aviv 61092, ISRAEL. E-mail: vert@ortra.co.il. Fax: 972-3-683-4455. Phone: 972-3-683-4444. Website: ortra.com/vertebrate/.

10 September - 12 September 2001. **British Society for Parasitology 12th Malaria Meeting**, University of Leeds, U.K. Contact: Judith Smith (j.e.smith@leeds.ac.uk) or visit the website at: <http://www.parasitology.org.uk> or www.abdn.ac.uk/bsp

10 September - 12 September 2001. **ROYAL ENTOMOLOGICAL SOC. ANNUAL MEETING**, Aberdeen, Scotland, UK. Contact: A.J. Mordue, A.J.Mordue@abdn.ac.uk

11 September - 14 September 2001. **Environmental Health Congress Exhibition**, Bournemouth International Centre. Contact: CIEH, Tel: 020 & 7928 6006.

12 September - 15 September 2001. **6th INTERNATIONAL CONFERENCE ON THE ECOLOGY AND MANAGEMENT OF ALIEN PLANT INVASIONS (EMAPi) 2001**, Leicestershire, UK. Contact: L.E. Child, Centre for Environmental Studies, Loughborough Univ., Loughborough, Leicestershire LE11 3TU, UK. E-mail: L.E.Child@lboro.ac.uk. Phone: 44-(0)1-509-222558.

13 September - 14 September 2001. **Missouri Pest Control Association (MPCA) Management Meeting**, Radisson Hotel, Branson, MO. Contact: 800-848-MPCA

16 September – 21 September 2001. **General Pest Control Residential Training**, Warwick University Coventry, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

16 September - 21 September 2001. **Third International Congress of Vector Ecology**, Barcelona Spain. Contact: rct@rct-congresos.com or phone (34) 93 415 69 38.

17 September - 21 September 2001. **FIRST INTERNATIONAL SYMPOSIUM ON BIOLOGICAL CONTROL OF ARTHROPODS**, Honolulu, HI, USA. Purpose: to bring together biological control practitioners from around the world to promote and address international issues relating to arthropod biological control. Contact: R. Van Driesche, Dept. Entomology, Univ. of Massachusetts, Amherst, MA 01003, USA. Phone: 1-413-545-1061. E-mail: <van-dries@fnr.umass.edu>. Website: www.isbca.ucr.edu.

19 September 2001. **Insect Identification**, Warwick University, Coventry, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

OCTOBER

2 October - 3 October 2001. **2001 - A Pest Odyssey**, London, UK. Contact: English Heritage & Science Museum, Tel: 020 7233 4200.

5 October 2001. **Hawaii Pest Control Association's (HPCA's) Annual Technician Learning Conference**, Honolulu, HI. Contact: Tim Lyons, HPCA 808-533-6404.

21 October - 24 October 2001. **JOINT ANNUAL MEETING, ENTOMOLOGICAL SOCIETIES OF CANADA and ONTARIO**, Niagara Falls, ON, CANADA. Contact: C.S. Dupree, Dept. of Environ. Biol., Univ. of Guelph, Guild, ON N1G 2W1, CANADA. E-mail: CSDupree@evhort.uoguelph.ca. Phone: 1-519-824-4120.

28 October - 31 October 2001. **Pest Management '01**, Hyatt Regency, New Orleans, LA. Contact: NPMA, 703-573-8330 or <http://www.pestworld.org>

NOVEMBER

6 November - 9 November 2001. **International Conference, Environmental Risk Assessment of Pesticides and Pesticide Management in Developing Countries**, Kathmandu, NEPAL. Contact: A. Herrmann, K-IPM Conf., Inst. of Geog. and Geoecol., Tech. Univ. Braunschweig, Langer Kamp 19c, D-38106 Braunschweig, GERMANY. E-mail: ipmktm@tu-bs.de. Fax: 49-531-391-8170 Web: www.tu-bs.de/institute/igg/physhyd/conference.html.

12 November - 15 November 2001. **BRIGHTON CROP PROTECTION CONFERENCE 2001**, Brighton, UK. Contact: The Event Organization, 8 Cotswold Mews, Battersea Square, London SW11 3RA, UK. E-mail: <eventorg@event-org.com>. Fax: 44-171-924-1790. Website: <www.BCPC.org>.

13 November - 14 November 2001. **PESTICIDE BEHAVIOR IN SOILS AND WATER**, Brighton, UK. Research symposium in conjunction with BCPC 2001 (above).

21 November 2001. **PestTech 2001**. National Motorcycle Museum, Birmingham, UK. Contact: NPTA, Tel: 0115 952 4333.

DECEMBER

3 December-9 December 2001. **2ND AFRICAN ACAROLGY SYMPOSIUM**, Nairobi, KENYA. Theme: "Novel Approaches to Tick and Mite Management in the New Millennium." Contact: M. Knapp, ICIPE, PO Box 30772, Nairobi, KENYA. E-mail: <MKnapp@icipe.org>. Fax: 254-2-860110.

9 December – 13 December 2001. **Entomological Society of America (ESA) Meeting**, Town and Country Resort Hotel and Convention Center, San Diego, CA. Contact: ESA, (301) 731-4535 or visit the website at <http://www.entsoc.org>

9 December – 14 December 2001. **General Pest Control Residential Training**, Warwick University Coventry, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

12 December 2001. **Insect Identification**, Warwick University, Coventry, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

13 December - 14 December 2001. **Missouri Pest Control Association (MPCA) Annual Conference**, Tan-Tar-A, Osage Beach, MO. Contact: 800-848-MPCA.

**** 2002 ****

FEBRUARY

10 February - 13 February 2002. **WEED SCIENCE SOCIETY OF AMERICA ANNUAL MEETING**, Reno, NV, USA. Contact: WSSA, J. Lancaster, PO Box 1897, Lawrence, KS 66044, USA. E-mail: <jlancaster@allenpress.com>. Fax: 1-913-843-1274. Phone: 1-913-843-1235.

17 February – 20 February 2002. **American Mosquito Control Association's Annual Meeting**, Adam's Mark Hotel, Denver, CO. Contact: AMCA, 318-474-2723.

MARCH

24 March - 26 March 2002. **INTERNATIONAL IPM CONFERENCE**, Toronto, CANADA. Contact: M.E. Appleby, OMAFRA, 95 Dundas St., R.R.#3 Brighton, ONT K0K 1H0, CANADA. E-mail: <margaret.appleby@omafra.gov.on.ca>. Fax: 1-613-475-3835. Phone: 1-613-475-5850.

JULY

22 July - 26 July 2002. **5th International Conference of Hymenopterists**, Friendship Hotel, Beijing, China. Contact: sea@panda.ioz.ac.cn or visit the website at <http://www.ioz.ac.cn/zcd/>

SEPTEMBER

8 September - 13 September 2002. **11TH INTERNATIONAL CONGRESS OF ACAROLOGY**, Merida, MEXICO. Contact: J.B. Morales-Malacara, XI ICA Secretary, Lab. de Acarologia, Dept. de Biologia, Fac. de Ciencias, Univ. Nacional Autonoma de Mexico, Co-yoacan 04510 DF, MEXICO. E-mail: <JBMM@hp.fciencias.unam.mx>. Fax: 52-5-622-4828. Phone: 52-5-622-4923.

12 September - 13 September 2002. **ROYAL ENTOMOLOGICAL SOC. ANNUAL MEETING**, Cardiff, UK. Contact: H. Jones, Jonesth@cardiff.ac.uk

NOVEMBER

17 - November - 21 November 2002. **ENTOMOLOGICAL SOCIETY OF AMERICA ANNUAL MEETING**, Fort Luderdale, FL. Contact: ESA, 9301 Annapolis Rd., Lanham, MD 20706-3115, USA. Fax: 1-301-731-4538. Phone: 1-301-731-4535. E-mail: <esa@entsoc.org>. Website: <www.entsoc.org>.

DECEMBER

****** 2003 ******

OCTOBER

26 October - 30 October 2003. **ENTOMOLOGICAL SOCIETY OF AMERICA ANNUAL MEETING**, Cincinnati, OH, USA. Contact: ESA, 9301 Annapolis Rd., Lanham, MD 20706-

3115, USA. E-mail: <esa@entsoc.org>. Fax: 1-301-731-4538. Website: <www.entsoc.org>. Phone: 1-301-731-4535.

NOVEMBER

November * **BRIGHTON CROP PROTECTION CONFERENCE 2003**, Brighton, UK. Contact: The Event Organization, 8 Cotswold Mews, Battersea Square, London SW11 3RA, UK. E-mail: <eventorg@event-org.com>. Fax: 44-171-924-1790. Website: <www.BCPC.org>.

No date **ANNUAL MEETING, SOCIETY OF NEMATOLOGISTS**, Ithaca, NY, USA. Contact: W. Brodie, USDA-ARS, Dept. of Plant Path., 334 Plant Science, Cornell Univ., Ithaca, NY 14853, USA. E-mail: <BBB2@cornell.edu>. Fax: 1-607-255-4471. Phone: 1-607-272-3745.

* * * * 2004 * * * *

JULY

24 July - 28 July 2004. **AMERICAN PHYTOPATHOLOGICAL SOCIETY ANNUAL MEETING**, Spokane, WA, USA. Contact: APS, 3340 Pilot Knob Road, St. Paul, MN 55121-2097, USA. E-mail: <aps@scisoc.org>. Fax: 1-612-454-0766. Website: <www.scisoc.org>.

NOVEMBER

7 November - 11 November 2004. **ENTOMOLOGICAL SOCIETY OF AMERICA ANNUAL MEETING** Salt Lake City, UT, USA. Contact: ESA, 9301 Annapolis Rd., Lanham, MD 20706-3115, USA. Fax: 1-301-731-4538. E-mail: <esa@entsoc.org>. Website: <www.entsoc.org>.

COURSES FOR DOD CERTIFICATION

[Appendix A](#) lists the DoD certification and re-certification classes being offered. If you are interested in any of these courses, please contact the referenced POCs.



Visit: <http://www.afpmb.org/pubs/courses/courses.htm>

DOD STOCK LISTED PESTICIDES

The updated list of DoD Stock listed pesticides can be found in [Appendix B](#). Please note that changes are listed in bold. The most current list can always be found on the AFPMB web page at: <http://www.afpmb.org/standardlists.htm>

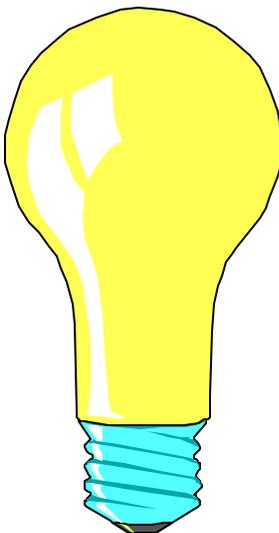


DOD EQUIPMENT LIST

[Appendix C](#) lists the DoD Pest Management Material Other Than Pesticides. The most current list can always be found on the AFPMB website at: <http://www.afpmb.org/standardlists.htm>



ON THE LIGHTER SIDE



The Washington Post's Style Invitational asked readers to take any word from the dictionary, alter it by adding, subtracting, or changing one letter, and supply a new definition. Here are some recent winners:

Intoxication: Euphoria at getting a tax refund, which lasts until you realize it was your money to start with.

Reintarnation: Coming back to life as a hillbilly.

Giraffiti: Vandalism spray-painted very, very high.

Sarchasm: The gulf between the author of sarcastic wit and the person who doesn't get it.

Inoculatte: To take coffee intravenously when you are running late.

Hipatitis: Terminal coolness.

Osteopornosis: A degenerate disease. (this one got extra credit)

Karmageddon: It's like, when everybody is sending off all these really bad vibes, right? And then, like, the Earth explodes and it's like, a serious bummer.

Glibido: All talk and no action.

Dopeler effect: The tendency of stupid ideas to seem smarter when they come at you rapidly.

APPENDIX A
COURSES FOR DOD CERTIFICATION

Please see the AFPMB site for the most current listing of DoD Certification Courses:
<http://www.afpmb.org/pubs/courses/courses.htm>

Updated January 29, 2001

DoD Pest Management Courses

If you see any information that needs to be corrected or updated, please contact Capt Mauer, who can be reached at Tel: (301) 295-7479, DSN Prefix 295 or E-mail: <mauerdj@acq.osd.mil>.

ARMY SPONSORED COURSES

1. For information on the following courses, contact SSG Kerry McKinley, Academy of Health Sciences, U.S. Army, ATTN: MCCS-HPM, Fort Sam Houston, TX 78234-6100, Tel: (210) 221-6801/6733, DSN Prefix 471, E-mail: <kerry.mckinley@amedd.army.mil>. Classes are conducted at Fort Sam Houston, TX.

Pest Management Certification Course (6H-F12/322-F12):

MAR 26 - APR 13, 2001

JUN 4 - JUN 22, 2001

AUG 13 - AUG 31, 2001

Recertification (6H-F13/322-F13)

FEB 26 - MAR 2, 2001

JUL 23, - 27, 2001

SEP 10 - 14, 2001

2. For information on courses in Germany, contact CPT(P) Dwight Rickard, USACHPPM-EUR, CMR 402, APO AE 09180, Tel: 49-6371-86-8540/44, DSN: 486-8544. Classes are conducted at the USACHPPM-EUR, Landstuhl, Germany.

3. For information on courses taught at the Environmental Training Center, contact Ms. Gail Boeff, ATTN: ATZR-BT, Fort Sill, OK 73503-5100, Tel: (580) 442-2111, Fax: (580) 442-5722, DSN Prefix 639. The Environmental Training Center at Fort Sill, OK, conducts a variety of environmental, natural resources and occupational health courses.

NAVY SPONSORED COURSES

1. For information on the following courses, contact HM2 Whalen, NDVECC, Naval Air Station

Jacksonville, Box 43, Jacksonville, Florida 32212, Tel: (904) 542-2424 ext 3029, Fax: (904) 542-4324, DSN Prefix 942. Unless noted otherwise, classes are conducted at the Disease Vector Ecology and Control Center, NAS Jacksonville, Jacksonville, FL.

Pesticide Applicator Training (Core) (B-322-1070), Instruction for Initial Certification:

MAR 5 - 12, 2001

SEP 10 - 17, 2001

MAR 4 - 11, 2002

Plant Pest and Vegetation Management (B-322-1071), Initial Certification for Categories 2, 3, 5 & 6:

MAR 13 - 16, 2001

SEP 18 - 21, 2001

MAR 12 - 15, 2002

Arthropod and Vertebrate Pest Management (B-322-1072), Initial Certification for Categories 7 & 8:

MAR 19 - 28, 2001

SEP 24 - OCT 3, 2001

MAR 18 - 27, 2002

Recertification (B-322-1074)

FEB 21 - 22, 2001

APR 10 - 11, 2001

NOV 6 - 7, 2001

APR 9 - 10, 2002

Operational Entomology Training (B-322-1077), designed for A/D & Reserve PMTs, EHOs, Entomologists, Epidemiologists & others assigned to PM units:

MAY 7 - 18, 2001

OCT 15 - 26, 2001

FEB 4 - 15, 2002

MAY 6 - 17, 2002

Medical Entomology and Pest Management Technology (Reserve Training) (B-322-1050):

FEB 5 - 16, 2001

JUN 4 - 15, 2001

JUL 16 - 27, 2001

FEB 4 - 15, 2002

May 6 - 17, 2002

2. For information on the following courses, contact HM1(SW) Compton, NDVECC, 19950 Seventh Ave., NE, Suite 201, Poulsbo, WA 98370-7405, Tel: (360) 315-4450, Fax: 4455, DSN Prefix 322, E-mail: <postmaster@ndvecc.navy.mil>. Unless otherwise noted, classes are conducted at the Navy Disease Vector Ecology and Control Center, Bangor, WA.

Pesticide Applicator Training (Core) (B-322-1070), Instruction for Initial Certification:
SEP 10 - 17, 2001

Plant Pest and Vegetation Management (B-322-1071), Initial Certification for Categories 2, 3, 5
& 6:
SEP 18 - 21, 2001

Arthropod and Vertebrate Pest Management (B-322-1072), Initial Certification for Categories 7
& 8:
SEP 24 - OCT 3, 2001

Recertification Course (B-322-1074), Category 8:
FEB 6 - 9, 2001
JUL 17 - 20, 2001
DEC 11 - 14, 2001

Operational Entomology Training (B-322-1077), Recertification in DoD Category 8 is available
as part of the course. Note: Reservists who have attended CIN: B-322-1050 and whose certifica-
tion has not expired may attend this course.

JUN 18 - 29, 2001*
*Camp Pendleton

Shipboard Pest Management (B-322-1075): NDVECC(B)
MAR 7, 2001
JUN 6, 2001*
JUN 13, 2001
JUL 11, 2001
SEP 5, 2001
OCT 24, 2001*
OCT 31, 2001
* Ingleside, TX

AIR FORCE SPONSORED COURSES

1. For information on the following courses, contact Ms. Haris Georges, 366 TRS/TRRT, 727
Missile Road, Sheppard AFB, TX 76311-2254, DSN: 736-3538, Fax: 736-3345. Classes are
conducted at Sheppard AFB, TX. Quotas are obtained through the Unit or MAJCOM Training
Managers.

Pest Management Certification - J3AZR3E453-003 is a four-week training course that meets the
basic requirement for initial certification training under DoD 4150.7-M, Plan for Certification of
Pesticide Applicators of Restricted Use Pesticides. Achievement of the minimum passing scores
satisfies the formal training and testing requirement for initial certification in the core phase of
pest control and pest control Category 3, Ornamental and Turf; Category 5, Aquatic; Category 6,

Right-of-Way; Category 7, Industrial, Institutional, Structural, and Health-Related; and Category 8, Public Health. This course DOES NOT satisfy the OJT and correspondence course requirements for certification. All DoD personnel who have held DoD certification in one or more pest control categories but cannot meet the requirements for triennial recertification, according to DoD 4150.7-M, are eligible to attend. Personnel who possess current certification are NOT eligible to attend this course.

APR 9 - MAY 4, 2001

AUG 20 - SEP 17 2001

Pest Management Recertification - J3ARR3E453-002 is a one week course that meets the basic requirements for recertification training under DoD 4150.7-M, Plan for Certification of Pesticide Applicators of Restricted Use Pesticides. Achievement of the minimum passing scores satisfies the formal training requirements for recertification in the core phase of pest control and pest control Category 3, Ornamental and Turf; Category 5, Aquatic; Category 6, Right-of-Way; Category 7, Industrial, Institutional, Structural, and Health-Related; and Category 8, Public Health. Students are allowed to return to duty after testing in only the core phase and in the categories in which they hold initial certification. Only DoD personnel who require triennial recertification to apply restricted use pesticides are eligible to attend. Personnel should be within one year of expiration of their DD Form 1826.

FEB 12 - 16, 2001

APR 16 - 20, 2001

JUN 18 - 22, 2001

JUL 30 - AUG 3, 2001

SEP 17 - 21, 2001

2. For information on the following course, contact Capt Armando Rosales, USAF School of Aerospace Medicine, Brooks AFB, TX 78235-5123, Tel: (210) 536-3734, DSN Prefix 240, e-mail: <armando.rosales@brooks.af.mil>. Information is also available on the WWW at: <<http://wwwsam.brooks.af.mil/web/eh/html/bugs.htm>>.

Operational Entomology Course (OEC) - #B30ZY43M3-000 is a two-week training course that builds individual capabilities to perform surveillance and control for disease vectors that significantly impact military missions during war or operations other than war. Emphasis is placed on preventing vector-borne disease morbidity and mortality. Instruction includes vector biology, vector-borne disease, surveillance techniques, risk assessment, and control strategies. The OEC provides academic instruction, practical exercises, and field experience. Additional details can be obtained from the USAFSAM/PH Web page at:

<<http://wwwsam.brooks.af.mil/web/eh/entomology/usafento.htm>>.

The OEC is evaluated for 64 CME credits for officers and four CCAF credits in biology for enlisted personnel. Prerequisites: Students must fully qualify for worldwide deployment and have no medical condition limiting full participation in the field portion of the course. The course is open to active duty, ANG, and AFRC personnel with AFSCs of 4E0X1, 4S0X1 (SEI 496), 3E4X3, 43H3, 43M3, 48A3, and 48P3, or their DoD equivalents, and other personnel with consent of the faculty. Priority is given to active duty personnel assigned to mobility positions or from installations with a high risk of vector-borne disease. Enlisted personnel must be E-4 or

higher. Officers must be fully qualified in their AFSC and have a minimum of one year of service. ECL 80 SA.

Special Requirements: The uniform for military students is BDUs, coveralls for civilians. Individuals allergic to bee stings or other venomous arthropods should bring an anaphylaxis emergency kit. The training office or student must provide the Course Supervisor, DSN 240-3734, with a telephone contact for the student.

MAR 19 - 30, 2001

JUN 4 - 15, 2001

SEP 10 - 21, 2001

3. For information on the following courses, contact Ms. June Brewer, 910 AW, YARS, Vienna, OH 44473-0910, Tel: (330) 609-1111/1178, Fax: (330) 609-1616, DSN Prefix 346. Information is also available on the WWW at: <[http://www.afrc.af.mil/units/910aw/aerial-spray\(PUBLIC\)/AERIALSPRAY/index.htm](http://www.afrc.af.mil/units/910aw/aerial-spray(PUBLIC)/AERIALSPRAY/index.htm)>.

Aerial Application of Pesticides (Certification) - #AAP-01 is a one-week course that addresses the tenets and methodologies for aerial application of pesticides, with an emphasis on operational aspects and military applications. The primary scope of the course includes general principles, legal aspects, contracts, map types and preparation, spray system calibrations, aerial spray math, DoD spray systems, meteorological effects, occupational health and safety, operations and mission support, disease control, pilot's view, private applicator's view, environmental aspects, computer modeling, swath and droplet characterization, pesticide monitoring, public relations, contingency wartime usage, spill prevention and containment, and other pertinent operational issues involving the use of aerial spray. The course features guest lecturers from the U.S. Army, U.S. Navy, U.S. Department of Agriculture, private applicator firms, and other government agencies. It is offered once each June.

JUN 4 - 8, 2001

APPENDIX B
DOD STOCK LISTED PESTICIDES

Please see the AFPMB site for the most current listing of DoD Stock Listed Pesticides:

<http://www.afpmb.org/pubs/misc/pest012001.htm>

LIST OF STANDARD PESTICIDES AVAILABLE TO DOD COMPONENTS AND ALL FEDERAL AGENCIES (JANUARY 1, 2001)

NSN 6840-	Item (Alternative Trade Name)	Unit Package	AAC*	Price	Unit Issue	Users
00-063-3981	Algaecide, Copper Sulfate, 80.16% pentahydrate, crystal (Cuprose)	50-lb bag	L	-----	BG	A,F
00-282-0971	Fungicide, Wood Preservative, copper naphthenate mixture (COP -R-NAP)	5- gal co	D	185.16	CO	A,N,F,M
01-209-6298	Fungicide, Wood Preservative, copper naphthenate mixture (COP -R-NAP RTU)	5- gal co	L	-----	CO	A,N
01-360-4741	Fungicide, Methylisothiocyanate (MITC-FUME) *** RESTRICTED USE PESTICIDE ***	18 tubes	L	-----	CO	A,N,F,M
01-457-6588	Fungicide, Methyl Azoxystrobin, 50% (Heritage)	(6) 1- lb. cont.	J	2100.00	BX	A,N,F,M
00-392-7593	Herbicide, Bromacil, 21.9% lithium salt of bromacil, liquid (Hyvar X-L)	(2) 2.5- gal co	D	326.84	BX	A,N,F,M
00-181-7106	Herbicide, Bromacil, 40.8%, water soluble liquid (Bromax-4L)	5- gal drum	D	713.14	DR	A,N,F
01-408-9079	Herbicide, Bromacil, 40.8%, wettable powder (Hyvar X)	(12) 4-lb bags	H	1086.59	BX	A,N,F,M
00-684-8975	Herbicide, Chlorate-Borate mixture, 30% sodium chlorate, 68% sodium metaborate tetrahydrate, granular (Monobor Chlorate)	50-lb bag	Z	61.83	BG	A,N,F
01-005-7523	Herbicide, Diquat, 35.3%, water soluble liquid (Reward)	1- gal co	D	120.95	GL	F
00-815-2799	Herbicide, Diquat, 35.3%, water soluble liquid (Reward)	(2) 2.5- gal co	D	604.31	BX	A,N,F
01-341-9346	Herbicide, Diuron, minimum 80% diuron, granular	25-lb bag	D	124.82	BG	A,N,F
00-001-7710	Herbicide, Diuron-Bromacil mixture, 40% bromacil, 40% diuron, granular (Krovar I DF)	6-lb bag	D	73.39	BG	A,N,F
01-108-9578	Herbicide, Isopropylamine salt of glyphosate, 41%, water soluble liquid (Roundup Pro)	(2) 2.5- gal co	D	268.75	BX	A,N,F
01-388-0142	Herbicide, Isopropylamine salt of glyphosate, 41%, water soluble liquid (Roundup Pro)	30-gal drum	D	1521.53	DR	A,N,F
01-356-8893	Herbicide, Isopropylamine salt of glyphosate, 41%, water soluble liquid (Rodeo)	(2) 2.5- gal co	D	592.54	BX	A,N,F,M
01-377-7113	Herbicide, Isopropylamine salt of glyphosate, 0.96%, water soluble liquid (Roundup Ready-to-Use)	24-oz pump spray bottle	D	5.53	BT	F
01-399-0673	Herbicide, Isopropylamine salt of glyphosate, 0.96%, water soluble liquid (Roundup Dry Pack)	25 pkg.	D	80.57	BX	A,N,F,M
01-356-8902	Herbicide, Isopropylamine salt of imazapyr, 27.6% (Arsenal)	(2) 2.5- gal co	D	1570.16	BX	A,N,F,M
01-318-7417	Herbicide, Oryzalin, 40% (Sulflan A.S.)	1- gal bot	L	-----	GL	A,N,F,M
00-145-0013	Herbicide, Prometone, 25% prometone, emulsifiable concentrate (Pramitol 25E)	5- gal can	D	99.34	CN	A,F
01-319-2890	Herbicide, Tebuthiuron (Spike 80W)	4-lb bag	L	-----	BG	A,N,F,M
01-457-6576	Herbicide, Tebuthiuron-Diuron, 1% Tebuthiuron, 3% Diuron (Spraykil SK-13)	40 lb. container	D	93.47	CO	A,N,F,M
00-577-4194	Herbicide, 2,4-Dichlorophenoxy-acetic acid (2,4-D), oil miscible/water emulsifiable liquid (low volatile ester form)	(2) 2.5- gal co	H	113.72	BX	A,N,F,M
00-664-7060	Herbicide, 2,4-Dichlorophenoxy-acetic acid (2,4-D), water soluble liquid (amine salt form)	(2) 2.5- gal co	H	103.57	BX	A,N,F,M
01-377-7110	Herbicide, 2,4-Dichlorophenoxy-acetic acid (2,4-D), 0.4%, water soluble liquid (amine salt form) (Weed-B-Gon)	24-oz pump spray bottle	D	6.50	BT	F
00-753-4963	Insect Repellent, clothing application, 75% DEET, 25% ethanol	2-oz bottle	V	1.45	BT	A,N,F,M
01-278-1336	Insect Repellent, clothing application, aerosol (Permethrin Arthropod Repellent)	(12) 6-oz cans	D	40.21	BX	A,N,F,M
01-284-3982	Insect Repellent, personal application, (3M/EPA 58007-1)	(12) 2-oz tubes	D	35.94	BX	A,N,F,M
01-334-2666	Insect Repellent, clothing application, 40% permethrin, liquid (2-Gal sprayer)	(12) 151-ml bot	D	170.73	BX	A,N,F,M
01-137-8456	Insect Repellent, personal application, 3% benzocaine, 10% precipitated sulfur (Chigg-Away)	188-ml bot	D	2.85	BT	A,N,F,M
01-288-2188	Insect Repellent, personal application & sunscreen, 20% DEET/SPF15 (Sunset)	(12) 2-oz tubes	D	48.40	BX	A,N,F
01-452-9582	Insect Repellent, personal application & sunscreen, 20% DEET/SPF15 (Sunset)	320 packets	D	357.36	BX	A,N
01-345-0237	Insect Repellent, clothing application, permethrin (IDA)	12 kits	D	42.64	BX	A,N,F,M
00-142-8965	Insect Repellent, personal application, 30% DEET (Cutter Insect Repellent Stick)	(12) 1-oz sticks	D	31.19	BX	A,N,F
00-145-0016	Insecticide, Aluminum phosphide, 55 % tablets (Phostoxin/Fumitoxin) *** RESTRICTED USE PESTICIDE ***	100 tablets	D	21.27	CN	A,N,F
00-442-5698	Insecticide, Aluminum phosphide, 55 % tablets (Phostoxin/Fumitoxin) *** RESTRICTED USE PESTICIDE ***	1660 pellets	D	28.45	BT	A,N,F
01-377-7049	Insecticide, <i>Bacillus thuringiensis</i> , 10% (Bactimos Briquets)	100 Briquets	D	75.21	BX	A,N,F,M

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00-180-6069	Insecticide, Baygon, 1% propoxur, liquid (Roach and Ant Spray)	1-gal can	V	11.23	GL	A,N,F,M
01-287-3938	Insecticide, Boric Acid, aerosol (Perma-Dust)	(12) 9 oz cans	D	59.00	BX	A,N,F
00-932-7297	Insecticide, Carbaryl, 80%, water dispersible powder (Sevin 80S)	(5) 10-lb bags	H	275.28	BX	A,N,F
01-104-0887	Insecticide, Carbaryl, 42.6%, liquid (Carbaryl 4L)	(2) 2.5-gal co	D	168.20	BX	F
01-033-4481	Insecticide, Carbaryl, 5%, dust (Sevin 5% dust)	(12) 4-lb bags	D	160.91	BX	A,N,F
01-313-7359	Insecticide, Cyfluthrin (Tempo 2EC/Tempo SC Ultra)	(12) 240-ml bot	D	517.78	BX	A,N,F,M
01-383-6251	Insecticide, Cyfluthrin (Tempo 20WP)	(288) 9.5-g pack	D	411.40	BX	A,N,F,M
01-390-4822	Insecticide, Cypermethrin (Demon WP)	1-lb jar	D	65.60	LB	A,N,F,M
01-431-3345	Insecticide, Deltamethrin (Delta Dust)	1-lb co	D	11.48	LB	A,N,F,M
00-753-5038	Insecticide, Diazinon, 2%, dust	20-lb co	D	34.58	CO	A,N,F,M
00-782-3925	Insecticide, Diazinon, 47.5%, emulsifiable concentrate	1-gal can	D	42.00	GL	A,N,F,M
00-142-9438	Insecticide, Dichlorvos, 20% (plastic strips)	48 strips	D	198.86	BX	A,N,F,M
01-412-4634	Insecticide, D-Phenothrin, 2%, aerosol	12-oz can	D	5.75	CN	A,N,F,M
01-067-2137	Insecticide, D-trans Allethrin and Resmethrin, 0.15% and 0.2% minimum, respectively, aerosol (Kill Zone House & Garden Insect Killer Formula 3)	12-oz can	D	1.90	CN	A,N,F,M
01-122-2651	Insecticide, Dursban, 42% chlorpyrifos, emulsifiable concentrate (Dursban 4E)	1-gal can	D	114.16	GL	N,F,M
01-338-6003	Insecticide, Dursban, 20% chlorpyrifos, microencapsulated (Empire 20)	1-pint co	D	26.02	PT	A,N,F,M
01-270-9766	Insecticide, Dursban, 42.8% chlorpyrifos, emulsifiable concentrate (Dursban TC/CYREN PRO Termite Conc.)	(4) 1-gal co	D	204.39	BX	A,N,F,M
00-402-5411	Insecticide, Dursban, 42% chlorpyrifos, emulsifiable concentrate (Dursban 4E)	5-gal can	D	509.63	CN	A,N,F,M
01-203-6161	Insecticide, Dursban, 19.36% chlorpyrifos, liquid (Mosquitomist 1.5 ULV)	5-gal can	D	293.02	CN	A,N,F,M
01-338-2487	Insecticide, Dursban, 0.5% chlorpyrifos, aerosol (Engage)	(12) 20-oz cans	D	77.72	BX	A,N,F,M
01-412-4361	Insecticide, Dursban, 20% chlorpyrifos, emulsifiable concentrate (Dursban Pro)	1-pint co	Z	12.35	PT	A,N,F,M
01-087-6672	Insecticide, Ficam, 76% bendiocarb, wettable powder (Ficam)	1-lb jar	D	83.35	LB	A,N,F,M
01-183-7244	Insecticide, Fly Bait, 1% methomyl (Apache/Golden Malrin)	5-lb can	D	19.50	CN	A,N,F,M
01-287-3913	Insecticide, Hydramethylnon (Amdro Fire Ant Bait)	(24) 6-oz bot	L	-----	BX	A,N,F,M
01-398-6799	Insecticide, Hydramethylnon (Siege Gel Bait)	4-30 gm reservoirs	D	31.36	BX	A,N,F,M
01-424-2494	Insecticide, Fenoxycarb {Logic (Award Brand of Logic)}	25-lb bag	J	256.24	BG	A,N,F,M
01-224-1269	Insecticide, Fipronil, cockroach, large size (Combat Quick Kill)	8 bait stations/box/ 12 boxes	D	88.67	PG	A,N,F,M
01-180-0167	Insecticide, Fipronil, cockroach, regular size (Combat Quick Kill)	12 bait stations/box/ 12 boxes	D	73.71	PG	A,N,F,M
01-471-5650	Insecticide, Fipronil (Maxforce Roach Killer Bait Gel)	4-30 gram reservoirs/box	D	24.46	BX	A,N,F,M
01-298-1122	Insecticide, Fipronil (MaxForce Ant Bait)	96 stations	D	58.02	PG	A,N,F,M
01-318-7416	Insecticide, Hydroprene, emulsifiable concentrate (Gentrol IGR)	(10) 1-oz bot	D	53.75	BX	A,N,F,M
01-457-6580	Insecticide, Imidacloprid, 5% granular (Merit 0.5 g)	30 lb. bag	J	50.00	BG	A,N,F,M
01-428-6646	Insecticide, Lambda-cyhalothrin, 9.7% (Demand CS)	(8) 8 oz bottle	D	295.60	BX	A,N,F,M
01-431-3357	Insecticide, Lamda-cyhalothrin (Demand Pesttab)	40 tablets	D	71.42	CO	A,N,F,M
00-655-9222	Insecticide, Malathion, 57.0%, emulsifiable concentrate, class 1	1-gal co	D	42.07	GL	A,N,F,M
00-685-5438	Insecticide, Malathion, 57.0%, emulsifiable concentrate, class 1	5-gal can	D	135.27	CN	A,N,F,M
00-926-1481	Insecticide, Malathion, 95%, liquid, grade B	54-gal drum	D	1842.68	DR	A,N,F,M
01-169-1842	Insecticide, Malathion, 95%, liquid, grade B	5-gal can	D	203.24	CN	A,N,F,M
01-424-2495	Insecticide, Methoprene (Altsid XR Briquets)	220 Briquets	D	714.50	BX	A,N,F,M
01-424-2493	Insecticide, Methoprene (Altsid SR-20 Liquid Larvicide)	(2) 2.5-gal co	J	5162.78	BX	A,N,F,M
01-426-5472	Insecticide, N-ethyl perfluorooctane sulfonamide (Advance Dual Choice)	36 stations	D	29.16	PG	A,N,F,M
01-270-9765	Insecticide, Naled, 85%, liquid (Dibrom)	30-gal drum	J	3556.99	DR	A,N,F
00-597-6111	Insecticide, Naphthalene, ball form	1-lb box	D	5.09	LB	A,N,F,M
01-467-0994	Insecticide, Nithiazine, Fly Strips (Quikstrike), 2 strips per package	(12) Pkg./box	D	197.06	BX	A,N,F
00-174-1825	Insecticide, P-Dichlorobenzene, crystal/flake	100-lb drum	J	441.68	DR	A,N,F
00-174-1824	Insecticide, P-Dichlorobenzene, crystal GSA	1-lb can	J	3.83	LB	A,N,F,M
01-318-7415	Insecticide, Propetamphos, 50% (Catalyst)	(8) 3.2-oz bot	D	34.15	BX	A,N,F,M
01-104-0780	Insecticide, Pyrethrins, 3% pyrethrins with synergists, liquid (ULV fog concentrate)	1-gal bot	D	97.17	GL	A,N,F,M
00-459-2443	Insecticide, Pyrethrins, or d-phenothrin, aerosol (Wasp Freeze/Wasp Stopper II Plus)	(12) 12-oz cans	D	52.86	BX	A,N,F,M
00-823-7849	Insecticide, Pyrethrin, aerosol (PT 565 Plus XLO)	(12) 12-oz cans	D	118.02	BX	A,N,F
01-359-8533	Insecticide, Resmethrin (Scourge)	5-gal can	D	390.92	CN	A,N,F
01-457-6583	Insecticide, Spinosad, 11.6% (Conserve SC)	1 gal cont.	J	313.39	GL	A,N,F,M
01-474-7751	Insecticide, Sumthrin-Piperonyl Butoxide, 10%-10%, (Anvil 10+10 ULV)	(2) 2.5-gal/box	D	800.00	BX	A,M,F,N
01-474-7706	Insecticide, Sumthrin-Piperonyl Butoxide, 10%-10%, (Anvil 10+10 ULV)	250 gal co	D	37087.50	CO	A,N,F,M
01-424-3132	Insecticide, Temephos (Abate 4E)	2.5-gal co	J	755.62	CO	A,N,F,M
01-467-1029	Mosquito Larvicide and Pupicide (Agnique MMF)	(2) 2.5-gal co	Z	167.00	BX	A,N,F
01-431-3352	Rodent Indicator Bait Blocks (Census Bait Blocks)	285 blocks	D	56.90	CO	A,N,F,M
00-089-4664	Rodenticidal Bait, Anticoagulant, 0.005% diphacinone	40 blocks	D	52.69	BX	A,N,F,M

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00-753-4973	Rodenticidal Bait, Anticoagulant, 0.005-0.0055% diphacinone, pellets	5-lb can	V	9.36	CN	A,N,F
01-151-4884	Rodenticidal Bait, Anticoagulant, 0.005% broadiolone (Maki), pellets	11-lb can	D	30.25	CN	A,N,F,M
01-426-4808	Rodenticidal Bait, Anticoagulant, 0.005% brodifacoum (Talon-G), pellets	10-lb can	D	40.44	CN	A,N,F,M
01-435-9320	Rodenticidal Bait, 2% zinc phosphide (ZP Rodent Bait) ***RESTRICTED USE PESTICIDE***	(250) 7.5-g pkg.	J	40.06	CO	N
00-753-4972	Rodenticide, Anticoagulant, concentrate 0.106% sodium salt of diphacinone (LIQUA-TOXII)	50 pouches	D	265.28	BX	A,N,F,M
01-435-9318	Rodenticide, 10% zinc phosphide (ZP Tracking Powder) ***RESTRICTED USE PESTICIDE***	(4) 500-g bot	J	35.09	BX	N

+User Code A=Army, N=Navy, F=Air Force, M=Marines SOS (DSCR-Richmond)=S9G

DLA/DSCR POC:

Clifford A. Myers
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***ACQUISITION ADVICE CODES (ACC)**

- D. DOD INTEGRATED MATERIAL MANAGER (IMM) STOCKED, AND ISSUED. Issue, transfer, or shipment is not subject to specialized controls other than those imposed by the Integrated Material Manager/Military Service supply policy.
 - 1. The item is centrally managed, stocked, and issued.
 - 2. Requisitions will be submitted in accordance with Military Service requisitioning procedures.
- G. GENERAL SERVICES ADMINISTRATION (GSA) INTEGRATED MATERIAL MANAGED, STOCKED AND ISSUED. Identifies GSA managed items available from GSA Supply Distribution Facilities. Requisitions and fund citations will be submitted in accordance with GSA/Military Service requisitioning procedures.
- H. CENTRAL CONTRACT - NOT STOCKED ITEM. Direct delivery under central contract #(non-stocked items) issue, transfer, or shipment is not subject to specialized controls other than those imposed by IMM/Service/Agency supply policy.
 - 1. The item is centrally managed and procured.
 - 2. Normal issue is by direct shipment from the vendor to the user at the order of the ICP or IMM. However, orders for quantities less than the vendor's minimum order of quantity may be issued from stock by ICP or IMM supply distribution facilities.
 - 3. Requisitions and fund citations will be submitted in accordance with IMM/Service/Agency requisitioning procedures.
 - 4. Generally, delivery will be made within applicable Service/Agency guidelines addressing customer-required time frame.
- I. DIRECT ORDERING FROM A CENTRAL CONTRACT/SCHEDULE. Issue, transfer, or shipment is not subject to specialized controls other than those imposed by Integrated Material Manager/Military Service supply policy. The item is covered by a centrally issued contractual document, or by a multiple award Federal Supply schedule for GSA managed items, which permits using activities to place orders on vendors for direct delivery to the user.
- J. NOT STOCKED, CONTROLLED PROCURED. Identifies IMM/Military Service centrally managed but not stocked items. Long lead times must be anticipated, since procurement will be initiated only after receipt of a requisition. Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures.
- K. CENTRALLY STOCKED FOR OVERSEAS ONLY. Main means of supply is local purchase. Item is stocked in domestic supply system for those overseas activities unable to procure locally due to non-availability of procurement sources or where local purchase is prohibited. Requisitions will be submitted by overseas activities in accordance with Service/Agency requisitioning procedures. NOTE: CONUS activities will obtain supply support through local procurement procedures.
- L. LOCAL PURCHASE. IMM/Military Service managed items authorized for local purchase, as a normal means of support, by the Military Service, or base, post, camp, or station level. Items not stocked in wholesale distribution system of IMM/Military Service ICP. The local purchase forms authorized by the individual IMM/Military Service must be used. NOTE: GSA FSS items are included.
- V. TERMINAL ITEM. Identifies items in stock; but future procurement is not authorized. Requisitions may continue to be submitted until stocks are exhausted. Preferred items National Stock Number (NSN) normally provided by the application of the phrase, "When Exhausted Use (NSN)". Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures as applicable.
- X. SEMIACTIVE ITEM-NO REPLACEMENT. A potentially inactive NSN which must be retained in the supply system as an item of supply because (1) stocks of the item are on hand or in use below the wholesale level and (2) the NSN is cited in equipment authorization documents TO&E, TA, TM, etc. or in -use assets are being reported.
 - 1. Items are authorized for central procurement but not authorized for stockage at wholesale level.
 - 2. Requisitions for in-use replacement will be authorized in accordance with individual Military Service directives.
 - 3. Requisitions may be submitted as requirements generate. Repetitive demands may dictate at ACC change to permit Wholesale stockage.
- Y. Y. TERMINAL ITEM. Further identifies AAC V items on which wholesale stocks have been exhausted. Future procurement not authorized.
 - 1. Requisitions will not be processed to the wholesale suppliers.
 - 2. Internal Services' requisitioning may be continued in accordance with Military Service requisitioning policies.
- Z. INSURANCE/NUMERIC STOCKAGE OBJECTIVE ITEM. Items, which may be required occasionally or intermittently and prudence requires that a nominal quantity of material be stocked due to the essentiality or the lead-time of the item.
 - 1. The item is centrally managed, stocked and issued.
 - 2. Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures.

APPENDIX C DOD EQUIPMENT LIST

DoD PEST MANAGEMENT MATERIEL, OTHER THAN PESTICIDES, LISTING

Please see the AFPMB site for the most current listing of the DoD Equipment List:
<http://www.afpmb.org/pubs/misc/dod102000.htm>

As of JANUARY 1, 2001

A. Disclaimer.

1. The Pest Management Materiel List, Other Than Pesticides, paragraph C., below, does not constitute procurement authority for materiel listed herein. Use of trade names in this list is solely for the purpose of providing specified information to aid in the identification of specific products and does not imply endorsement of the products named or criticism of products not mentioned. Products mentioned in this list do not constitute a guarantee or warranty of these products by the Armed Forces Pest Management Board (AFPMB), the Military Departments, or the DoD.

2. Most of the pesticide dispersal equipment listed in paragraph C., below, should only be used by personnel (i.e. preventive medicine or installation pest control personnel) who have been formally trained and certified in accordance with DoD 4150.7-P, "The DoD Plan for the Certification of Pesticide Applicators, September 30, 1996 or DoD 4150.7-M, DoD Pest Management Training and Certification, April 24, 1997. All other personnel should not procure or use pesticide dispersal equipment unless specifically authorized by Service instructions, regulations, or directives.

3. This list is maintained, and periodically reviewed by the Armed Forces Pest Management Board's Pest Management Equipment Committee. Users are encouraged to submit notice of errors and additional information to the: Armed Forces Pest Management Board, Forest Glen Section, WRAMC, Washington, DC 20307-5001 and to Defense Supply Center Richmond (DSCR), ATTN: JDTA, 8000 Jefferson Davis Hwy, Richmond, VA 23297-5809.

B. Purpose.

The purpose of the Pest Management Materiel List, Other Than Pesticides, is to provide a descriptive reference of DoD standard available pest management equipment and materiel, other than pesticides.

C. Pest Management Materiel, Other Than Pesticides Lists.

1. Hand Sprayer, Pesticide, Manually Operated, Compressed Air. A manually carried piece of equipment that can discharge liquid pesticides by means of a hand-compressed pump in one, two, or three gallon capacities.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Unit Price	U/I	Users+
00-191-3677	Sprayer, Pesticide, Manually Carried, 1 gallon stainless tank, with pressure gauge. Formerly MIL-S-14102, replaced by CID A-A-55748. Flow rate - 0.8 l/min. Current inventory on hand does not include a spare parts package. Future purchases will include three sets of spare parts including; crack and crevice tip assemblies, nozzle gaskets and O rings, plunger cups, check valves, and strainer/filters.	58536	D	137.71	EA	A,N,F,M
00-641-4719	Sprayer, Pesticide, Manually Carried, 2-gallon stainless tank with pressure gauge. Formerly MIL-S-14102 replaced by CID A-A-55748. Flow rate - 0.8 l/min, includes three sets of spare parts including crack and crevice tip assemblies, nozzle gaskets and O rings, plunger cups, check valves, and strainer/filters.	58536	D	154.02	EA	A,N,F,M
00-720-0465	Sprayer, Pesticide, Manually Carried, Model Sureshot A-2600, 2 pt capacity, steel tank, no accessories included. GSA	92997	H	41.82	EA	N,F
01-338-5390	Sprayer, Pesticide, Manually Carried, Whitmire System VII Single Pack, Part Number 21-0700, includes pouch for three pesticide product aerosols and a 10 foot memory coiled hose. Pesticide aerosols must be ordered separately.	67184	D	96.62	EA	A,N,F,M
01-332-8746	Gauge, Sprayer, Pesticide. Part Number 803-311, For retrofitting pressure gage on one and two-gallon compressed air sprayers listed above.	29670	D	8.05	EA	A,N,F,M
4330-01-332-1639	Fluid Filter, Gauge, Pesticide Sprayer. Part Number 146-605. For retrofitting pressure gauge NSN (listed above) to one and two gallon compressed air sprayers listed above. S9C	29670	D	2.52	EA	A,N,F,M

2. Duster, Pesticide, Manually Carried. Pest Control Equipment which disperses pesticide dust formulations via manually operated bellows, sifters or fans.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
00-132-5935	Duster, Manually Carried, 5-10 lb. tank capacity. FEDSPEC RR-D-780C. Manually operated rotary fan type; accessories include one straight discharge nozzle, two non-flexible straight extension tubes (14" long) and one curved non-flexible tube (10" long). Flow rate - 10-50 lbs./hr, and wt 8 lbs. Used to treat rodent burrows for ectoparasite control.	81348	Z	144.54	EA	A,N,F,M
00-132-5936	Duster, Manually Carried, Tubular Pump, 1lb tank capacity. CID A-A-55555. Designed to apply dusts for spot treatment indoors and outdoors. Flow rate - 10-50 lb./hr, and wt 2.03 lbs. May be used to apply pesticides and rodenticides in rodent burrows.	58536	D	32.65	EA	A,N,F,M
01-441-5250	Centro Bulb Duster, bulb duster, Part Number 27920 and 28140 and 28120, consists of one 14oz bulb duster, with a straight metal nozzle, a 2 inch curved tip nozzle and a 12 inch extension with coupling.	9L921	J	38.19	KT	A,N,F,M

3. Sprayer and Duster, Pesticide, Manually Carried, Backpack. Designed to discharge either liquid or solid pesticides, under pressure, dispersed by means of a blower. Liquid particle discharge size is 50 to 100 microns. Tank/hopper size is variable.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
01-463-0147	Sprayer-Duster, Pesticide, Backpack, STIHL Model SR400, gasoline engine driven, includes, granular spreader, ULV nozzle, and field parts kit. Tank size – 3.5 gal., 24.6” high X 18.9” wide X 11” deep, 24 lbs empty wt.	9Z575	Z	750.37	EA	A,N,F,M
01-157-4000	Sprayer-Duster, Pesticide, Backpack, Solo Model 423, gasoline engine driven, 5 horsepower, 1.6 quart fuel tank, includes dusting attachment and set of dosage pieces, three gallon pesticide tank. Discharges mist 33 ft horizontally, and 25 ft vertically. 27” high X 18” wide X 12” deep weighs 25 lbs. empty. Note: Echo Model DM9, formerly listed under this NSN is no longer available for procurement.	8T480	V	605.09	EA	A,N,F,M

4. Sprayer, Hydraulic or Electric, Mist or Solid Stream, Pesticide, pushcart Mounted. A portable or push cart mounted. Unit designed to disperse liquid pesticides as mists (50 to 100 microns) and solid streams by means of a gasoline engine driven or electrically driven pump.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
01-019-4557	Sprayer, Pesticide, Pushcart Mounted, electric motor driven, 120V AC, Model Space III or CID A-A-52286 primarily used to control stored product pests. Mist, fine spray output – 0.5 to 3.5 oz per min, 5-gallon pesticide tank, operating pressure 4 PSIG, wt 176 lbs., shipping wt. 310 lbs.	58536	Z	5088.10	EA	A,N,F,M

5. Sprayer, Hydraulic or Electric, Mist or Solid Stream, Pesticide. A skid or frame mounted unit designed to disperse liquid pesticides as mists (50 to 100 microns) and solid streams by means of a gasoline engine driven or electrically driven pump.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
00-772-0090	Sprayer, Pesticide, Frame Mounted, mist and solid stream, gasoline engine driven, MIL-S-12511, 42” lg. X 26” wi X 30” hi, wt 174 lbs., 50 ft hose (0.375 inch internal diameter, and oil resistant), 5 horsepower engine, piston driven pump, 3GPM discharge rate, pressure gage, spray gun, discharge control valve, and two discharge hoses included. Pesticide tank not included. A12/FLZ	82254	W	5593.76	EA	A,F
00-916-6462	Sprayer, Pesticide, Frame Mounted, mist and solid stream, gasoline engine driven, Part No, 47500, Mil-S-12511, 42” lg. X 26” wi X 30” hi, wt 174 lbs., 50 ft hose (0.375 inch internal diameter, and oil resistant), 1.5 horsepower engine, piston driven pump, 3GPM discharge rate, pressure gage, spray gun, discharge control valve, and two discharge hoses included. Pesticide tank not included. A12/FLZ	82254 81349	C	5593.76	EA	A,F
00-993-4000	Sprayer, Pesticide, Frame Mounted, mist and solid stream, Part No CSR47500A, Mil-S-12511, 42” lg. X 26” wi X 30” hi, wt 174 lbs., 50 ft hose, (0.375 inch internal diameter, and non-oil resistant), 4.0 horsepower engine, piston driven pump, pressure gage, spray gun, discharge control valve, and one discharge hoses included. 3 GPM discharge rate. Pesticide tank not included. A12	82254 81349	C	5593.76	EA	A
01-053-0127	Sprayer, Pesticide, Skid Mounted. FMC Model DM10E200SRK, Part No. 5268191. Modular constructed sprayer with a 200-gallon tank.	50492	J	7990.66	EA	A
01-211-7226	Sprayer, Pesticide, Frame, Mounted, gasoline engine driven, MIL-S-12511, 51” X 15” X 19”, wt 100 lbs. Flow rate – 3GPM at 300 PSI operating pressure. Pesticide tank not included. A12	81349	C	995.00	EA	A
01-454-1981	Pesticide Sprayer, Electric, Liquid (SPEL), AG 25 Sprayer, battery/electric, solid stream sprayer, 25 gal plastic tank, 15 ft hose,	03JL1	J	440.63	EA	A,N,F,M

	.0375 in inside diameter hose, wt. 25.6 lbs., L 29 ½" x W 20"x Ht16."					
01-026-9162	Sprayer, Pesticide, Skid Mounted, gasoline engine driven, SMITHCO Part No 7830-MH, 200 gallon, fiber glass tank, wt 825 lbs. Flow rate - 10 GPM at 425 PSI, 5.75 horsepower, mist and solid stream, piston pump, 100 foot, 0.05 inch inside diameter, abrasion and weather resistant hose.	61684	Z	3882.87	EA	A,F

6. Sprayer, Hydraulic or Electric, Mist or Solid Stream, Pesticide, Trailer Mounted. A trailer mounted unit designed to disperse liquid pesticides as mists (50 to 100 microns) and solid streams by means of a gasoline engine driven or electrically driven pump.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
01-474-7367	Spray System, WeedSeeker, Complete DB210 WeedSeeker system including 55 GL chemical tank, 14 GL fresh water tank and a 12V pump, installed on a folding and breakaway boom all mounted on a 6 x 4 John Deere Gator with a heavy duty alternator. System includes 10 sensors, 10 valve cartridges, 1 CP controller, associated electrical cables and plumbing.	1JRR1	J	27173.21	EA	A,F,N,M
01-474-7318	Spray System, WeedSeeker Kit, SB102 kit that includes 2 WeedSeeker sensors, 2 valve cartridges, a CP controller and associated electrical cables and plumbing.	1JRR1	D	3100.00	EA	A,N,F,M
01-474-7285	WeedSeeker add-on kit (A001)includes 1 WeedSeeker sensor, 1 valve cartridge, an electrical cable and associated plumbing	1JRR1	D	990.00	EA	A,N,F,M
00-166-2910	Sprayer, Roto Mist, Fine Spray, 4 Wheel Trailer Mounted, FMC Model 303T, blower diameter 40 inches, air volume 60000 CFM, air volume 95 MPH, blower rpm 2200, pump capacity 20 GPM, pump pressure 0-400 lbs., 300 gallon tank. A12/FLZ	06350	L	8430.00	EA	A,F
00-901-0720	Sprayer and Duster, Pesticide, Trailer Mounted, gasoline engine driven, BUFFALO Turbine Agricultural Equipment Model BT-CSM10G , 10 gallons or 100 lb. tank capacity, 10 horsepower, 2 wheel, pneumatic, rubber tire trailer, mist sprayer, 10000 CFM discharge rate at 150 MPH.	93146	J	17410.99	EA	A,N,F
00-925-9594	Sprayer, Pesticide, Trailer Mounted, gasoline engine driven, MIL-S-82068, size B, 500 gallon tank, flow rate - 25 GPM at 700 PSI, 168" X 75" X 80", wt 1800 lbs., 18 horsepower, 2 wheel, pneumatic, rubber tire trailer, mist and solid stream, piston pump, includes 2 spray guns, 200 feet of 0.50 inch diameter, abrasion and weather resistant hose.	81349	J	18913.59	EA	A,N,F
00-925-9598	Sprayer, Pesticide, Trailer Mounted, gasoline engine driven, MIL-S-82068C, size C, 200 gal steel tank, 5.75 horsepower, 2 wheel, pneumatic, rubber tire trailer, mist and solid stream, 1 discharge nozzle, piston pump, flow rate - 10 GPM discharge rate at 425 PSI, 100 foot 0.50 inch inside diameter, abrasion and weather resistant hose.	81349	J	9798.50	EA	A,N,F
01-413-9095	Sprayer, Pesticide, Trailer Mounted, gasoline engine driven, FIMCO P/N TTS250, 200 gallon polyethylene tank, flow rate - 16 to18 GPM at 30 to50 PSI, 5 horsepower, 8 roller pump, 2 wheel, pneumatic tire trailer, 100 ft hose, high pressure, 3/8" inside diameter hose & Model 43H, trigger, aluminum handgun.	1B437	J	3351.55	EA	A,N,F

7. Sprayer, Pesticide, Fog/Aerosol Generator (ULV/ULD), Manually Carried. A manually carried unit designed to disperse liquid pesticides under pressure by means of gasoline engine driven or electrically driven pump and/or blower. Generates liquid particles in the size range of 0.1 to 50 microns. Excludes sprayers having a dust dispersal attachment. May have a combustion chamber for heating air.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
00-818-6648	Fog Generator, Manually Carried, gasoline engine driven, thermal fog, Curtis Dyna Model 2610 Golden Eagle. Provides indoor/outdoor thermal fog for mosquito and fly control, 52" X 9.5" X 25.5", wt 19 lbs., 1 gallon pesticide tank. Flow rate - 5 GPH at 6 psi, adjustable shoulder strap included.	82254	Z	1070.21	EA	A
01-206-9636	Sprayer, Manually Carried, DC (rechargeable battery), Ulva Fan, Dram Model MK2, Ultra Low Volume. Flow rate - 60 ml/min at 3 PSIG, 0.5-liter plastic pesticide reservoir, and wt 3.25 lbs. with out battery.	3W681	D	420.19	EA	A,N,F,M
01-456-2625	Fogger, Hand Held, gasoline engine driven, ULV, London Fog Eliminator, PN# 8100, 25" long X 20 1/2" high X 10 1/2" wide, 24 lbs. empty wt. Normal dry fog rate is 5-6 gph.	56215	J	1045.00	EA	A,N,F,M
01-456-2622	Fogger, Hand Held, gasoline engine driven, ULV, London Aire Colt. PN# 8675, 14" long X 11" wide X 12" high, 19 lbs. empty wt. Flow rate - 0-4 oz per minute.	56215	J	1495.00	EA	A,N,F,M
01-456-2623	Fogger, Hand Held, gasoline engine driven, ULV, Clarke P-1, PN# L7800-001, 17 lbs. empty wt.	65183	J	1400.00	EA	A,N,F,M

8. Sprayer, Pesticide, Fog/Aerosol Generator (ULV/ULD), Pushcart Mounted. A push cart mounted unit designed to disperse liquid pesticides under pressure by means of gasoline engine driven or electrically driven pump and/or blower. Generates liquid particles in the size range of 0.1 to 50 microns. Excludes sprayers having a dust dispersal attachment. May have a combustion chamber for heating air.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
01-019-4557	Sprayer, Pesticide, Pushcart Mounted, CID A-A-5286, Micro-Gen Model SpaceIII, electric powered, 120 volt, 60 Hz, 3 phase motor, 1 horsepower, 4 wheel hand pushed, 48" X 24" X 42", 5 gallon tank, wt 176 lbs.	58536 52987	Z	5088.10	EA	A,N,F,M

9. Sprayers, pesticide, fog/aerosol generator (ULV/ULD), skid mounted. A skid mounted unit designed to disperse liquid pesticides under pressure by means of gasoline engine driven or electrically driven pump and/or blower. Generates liquid particles in the size range of 0.1 to 50 microns. Excludes sprayers having a dust dispersal attachment. May have a combustion chamber for heating air.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
00-375-9154	Fog Generator, Skid Mounted, gasoline engine driven, Grizzly PDS, 53" lg. X 31" wi X 37" ht, wt 456 lb. empty, 18 horsepower engine, positive displacement blower w/6 psi max pressure, 5 gallon polystyrene pesticide tank.	24885	J	13916.16	EA	A,N,F,M
01-206-9635	Sprayer, Pesticide, Skid Mounted, Beecomist Model Pro Mist 15MP, ULV, DC driven, wt 95 lb., includes vehicle wiring installation kit (PN A4006), vinyl cover (PN AE550), and 12 volt battery.	65387	D	9460.80	EA	N,F,M
01-445-8380	AGULVE, Sprayer, Pesticide, Skid Mounted, Beecomist Model Pro Mist 15MP with an aluminum frame, ULV, DC driven, wt 95 lb., includes vehicle wiring installation kit (PN A4006), and repair parts kit (PN A0532.2)	19204& 65387	D	14279.65	EA	A,N,F,M

01-141-2557	Aerosol Generator, Pesticide Skid Mounted, Curtis Dyna Model 2740 Series II, 15 gallon tank, 48" X 41" X 35", wt 495 lbs.	82254	Z	5102.26	EA	A,F,M
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10. Sprayer, Pesticide, Aerial Application Unit, Liquid or Dry Pesticide. Designed for use with rotary wing aircraft. Units may be electric or gasoline engine driven and internally or externally mounted. Units may be equipped with booms.

NSN 3740 -	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
01-206-9614	Dispersal Unit, Insecticide, Model PAU-9/A. Unit is currently restricted to internal mounting in a UH1H helicopter airframe.	65388	X	18122.90	EA	N
01-262-8707	Pesticide Dispersal Unit (PDU), Multicapacity, Part No 96800, helicopter slung, low volume liquid spray system, ULV Spray System and Solid (Granular) Dispersal System, 150 gallon tank capacity.	52905	J	85513.24	EA	A

11. Trap, Insect, to include light traps and insect bait boxes.

NSN 3740 -	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
00-134-9229	Trap, Insect, Portable, Battery Operated, Hausherr's Model CDC, battery operated, cylindrical, w/14.5 inch diameter aluminum cover. S9M	30286	L	-----	EA	A,N,F
00-607-0337	Trap, Mosquito Light, New Jersey. Used to collect mosquitoes where 110Volt -power source is available. 14" X 9.5", wt 9.5 lbs., weather-proof time clock included.	30286	D	277.39	EA	A,N,F,M
01-106-0091	Trap, Solid State Army Miniature (SSAM), Hock Model 1012 . Used for mosquito surveillance, portable powered by either D cell or rechargeable 6-volt gel cell batteries. Wt 3 lbs. w/o batteries. For D-cell non-rechargeable alkaline batteries, order 6135-00-835-7210 or 6135-00-930-0030. For gel-cell rechargeable batteries, order 6140-00-432-0490. For a battery charger to recharge gel-cell batteries order 6130-00-629-7396. S9M	6T654	L	-----	EA	A,N,F,M

12. Trap, animal. A device snap/set/glue used to capture animals.

NSN 3740 -	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
00-252-3384	Mouse Trap, Spring, Model CANTMISS OR GGG-M-550, WD base, w/4 way release, 4" X 2" X 0.5." GSA	98878	G	5.33	DZ	A,N,F,M
00-260-1398	Rat Trap, Spring, CAN'T MISS RATRAP, 7" x 3" x 0.5." GSA	98878	G	17.34	DZ	A,N,F,M
00-260-1401	Trap, Cage, Animal, Portable, Collapsible, Part No, 206, 27" X 9" X 9", wt. 7 lbs. GSA	23907	L	-----	EA	A
01-095-1738	Trap, Cage, Animal, Woodstream Model 1045, galvanized steel, 36" X 11" X 11", wt 16.5 lbs.	84155	D	63.46	EA	F,N
01-096-1632	Trap, Insect, Sticky Trap, Roach, .box of 24 traps, 5" X 3.5" X 2,"	9L921	D	66.93	BX	A,N,F,M
01-240-6170	Trap, Rodent, Glue, Woodstream Model M-319 (Holdfast), 9" X 9" X 4", wt 1 lb., 24 traps per box.	84155	D	21.39	BX	A,N,F,M
01-371-6770	Mousetrap, Spring, Part No 81820, expanded trigger.	40850	D	1.89	EA	F
01-412-9363	Indoor Fly Catcher Traps, Part number 445 or M500, cylindrical sticky fly trap, 12 per box.	27633 84155	H	50.28	BX	A,F
01-412-9371	Insect FlyCatcher, Part Number M510, 144 sticky paper strip rolls per box.	84155	H	191.08	BX	A,N,M
01-420-9038	Insecticide, Glue, Part Number 101, four 1 gal containers per box. Used to rodent glue boards.	27633	D	132.22	BX	A,N,F,M
01-423-2471	Pole, Animal Restraint, Part No 81506,	7D560	D	121.21	EA	A,N,F,M
01-431-1186	Trap, Rodent, Mechanical, Aluminum, Sherman Model LFAHD, Box of 30 traps with 5 spare curved wires and 5 spare straight wires for linking sides and bases.	0TT47	Z	625.96	BX	A,N,F,M

13. Rodent Bait Stations. Tamper proof devices used to hold rodent bait.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
01-467-6951	Container, Rodent Bait, P plastic, Tamper Proof, spring loaded, self closing (Keep-Rat Bait station)	1MHL2	J	79.50	BX	A,F,M,N
01-481-1312	Container, Rodent Bait, Plastic, Tamper Proof (Aegis Clear Mouse), 12 bait stations per box	00A02	D	21.35	BX	A,F,N,M
01-481-1313	Container, Rodent Bait, Plastic, Tamper Proof (Aegis Clear View-Rat), 6 bait stations per box	00A02	D	55.50	BX	A,N,F,M
01-481-1316	Container, Rodent Bait, Plastic, Tamper Proof (Aegis Cool Box/White-Rat), 6 bait stations per box	00A02	D	55.50	BX	A,N,F,M
01-423-0737	Container, Rodent Bait, Plastic, Tamper Proof, capable of dispensing solid or granular bait, Part No 05830, 6 bait stations per box.	9L921	D	63.49	BX	A,N,F,M

14. Spreader, Granular. A manually-carried or push cart/trailer-mounted unit designed to disperse granular pesticides, fertilizers, and seeds.

NSN 3750-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
00-903-3734	Spreader, Loose Material, Manual, Rotating Disc, Model Cyclone 4T06-6T08, 8' maximum spread path width. 40" X 20" X 20", weight 140 lbs. GSA	18654	L	22.46	EA	A,F
00-965-0043	Spreader, Loose Material, Towed, Rotating Disc, Part No 111, 56' maximum spread path width. FLZ	00229	V	685.00	EA	F
00-729-6897	Spreader, Loose Material, Manual, Hand Crank, Rotating Disc, Part No PCB or 75, 12' maximum spread path width, 10.5" X 9", wt 5.5 lbs. GSA	84945 86951	J	127.40	EA	A,F
00-269-6028	Spreader, Loose Material, Manual, Gravity spread, Rotating Disc, Model Gandy Line Tender 901-3JRKLT, 1.75' maximum spread path width. 36" X 36" X 42", wt 124 lbs. GSA	89055	L	-----	EA	F

15. Pheromone Trap stored products. Includes traps, pheromones and accessories used to monitor stored product pests.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
01-414-8117	Insect Wing Trap Kit, P/N 3653-13, 3-trap stations, 3-liner replacements and 6 lures.	02RG7	J	28.09	KT	A,N,F,M
01-414-8118	Indian-Meal Moth Lures, P/N 3153-25, 25 lures per bag.	02RG7	J	70.88	BG	A,N,F,M
01-414-8123	Confused and Red Flour Beetle Lures, P/N 3156-25, 25 lures per bag	02RG7	J	66.43	BG	A,N,F,M
01-414-8124	Khapra and Warehouse Beetle Lures, P/N 3155-25, 25 lures per bag.	02RG7	J	50.00	BG	A,N,F,M
01-414-9391	Insect Monitoring Kit, P/N 3565-05, Flit-Trak kit for khapra and warehouse beetles, 5 traps, 5 lures and food oil attractant.	02RG7	J	29.82	KT	A,N,F,M
01-414-9393	Insect Monitoring Kit, P/N 3566-05, Flit-Trak kit for red and confused flour beetles, 5 traps, 5 lures and food oil attractant.	02RG7	J	34.88	KT	A,N,F,M
01-414-9395	Insect Monitoring Kit, P/N 3567-05, Flit-Trak kit for saw-toothed grain and merchant grain beetles, 5 traps and food oil attractant	02RG7	J	31.17	KT	A,N,F,M
01-414-9397	Cigarette Beetle Lures, P/N 3162-05, 25 lures per bag.	02RG7	J	67.75	BG	A,N,F,M
01-414-9399	Lesser Grain Borer Beetle Lures, P/N 3158-25, 25 lures per bag	02RG7	J	69.91	BG	A,N,F,M
01-418-5107	Insect Monitoring Kit, P/N 3302-00, 100 traps per box	02RG7	J	314.39	BX	A,N,F
01-418-5110	Insect Monitoring Kit, P/N 3303-25, 25 traps per box.	02RG7	J	50.77	BX	A,N,F
01-418-1927	Insect Monitoring Kit, P/N 121901, 100 wing trap kits per box.	9L921	H	152.25	BX	A,N,F,M
01-473-1038	Indian-Meal Moth Lures, P/N IMM-100, 100 lures per pkg.	9L921	D	300.00	PG	A,N,F,M
01-473-1042	Indian-Meal Moth Kit, P/N SP-IMM-20, 20 lures per box and 20 traps	9L921	D	19.70	KT	A,M,N,F

01-473-1039	Indian-Meal Moth Lures, P/N IMM-10, 10 lures per pkg.	9L921	D	33.98	PG	A,N,F,M
01-418-1929	Indian-Meal Moth Lures, P/N 122514, 100 lures per bag.	9L921	H	71.30	BG	A,N,F

16. Bird Pest Management Devices.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
00-076-3541	Gun, Scareaway, Zonmark II. Used to scare birds and other pests away from specific areas. Powered by propane gas (propane tank not included), 36" X 12" X 7," wt 20 lbs.	5G078	L	-----	EA	F
1095-01-437-7478	Pyrotechnic Pistol, P/N RJ1, uses w/ 15MM screamer-siren or bird banger cartridges, single shot S9C	0MGG7	Z	37.01	EA	F
1095-01-437-7479	Pyrotechnic Pistol, P/N B1S, uses 15MM screamer-siren or bird banger cartridges, double shot S9C	0MGG7	J	49.92	EA	F
1370-01-204-1525	Cracker Shotgun shell, 12 gauge, bird scare (shell cracker), P/N 8344212 FG5	07878	D	1.35	EA	F,N
1370-01-454-9861	Cartridge, Pyrotechnic, animal dispersal, 15MM bird screamer, P/N SCR-ICBM FG5	0MGG7	L	-----	EA	F
01-037-9325	Gun Scareaway, Dana Model AO-86M-3. Used to scare birds and other pests away from specific areas. Powered by propane gas (propane tank not included), 36" X 12" X 8," wt 30 lbs.	55726	J	326.15	EA	F

17. Miscellaneous.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
6505-00-664-0441	Mineral Oil, Light, NF (ULV Diluent/Cleaning Agent) S9M	61757	L	-----	PT	A,F,N,M
6505-00-240-6328	Mineral Oil, Light, NF (ULV Diluent/Cleaning Agent) 5 gallon can S9M	61757	L	-----	CN	A,N,F,M
00-252-3383	Swatter, Fly, Model Plasti-Swat 51, 18"lg X 4"w X 0.5," wt 5 oz., 12 per package. GSA	54749	G	3.09	PG	A,N,F,M
01-210-2368	Aspirator, 1.5v (2-D Cell battery) powered, &" X 3.5" X 2," wt 8 oz w/o batteries. S9M	30286	L	-----	EA	A,N,F,M
01-454-1982	Stake, Flag, Orange, P/N 101066, 2 ½" X 3 ½" Orange vinyl flag, 30" wire length. PG/100 EA	51985	D	8.57	PG	A,N,F,M
01-454-1984	Holder, Carrier, Stake, Flag, P/N 101124, heavy-duty green, cotton duct shoulder bag with shoulder strap.	51985	J	13.89	EA	A,N,F,M
01-454-1987	Scales, Spring, Pesola, 100 gram, PN# 277502, 22 cm long X 5-cm wide w/internal spring, 0.3 lb.	51985	J	58.41	EA	A,N,F,M
01-454-1989	Scales, Spring, Pesola, 500 gram, PN# 277506, 28 cm long X 5 cm wide w/internal spring, 0.3 lb.	51985	J	58.41	EA	A,N,F,M
01-474-7402	Aspirator, Oral, Entomology Specimen Collection, Model 412, Polycarbonate plastic straight tube, 12" long with plastic coupler with nylon screen inside. 2-ft rubber tube attached to end comes with polycarbonate mouthpiece.	6T654	D	9.75	EA	A,N,F,M
01-454-2256	Aspirator, Oral, Entomology Specimen Collection, with HEPA filter for respiratory protection, Model 612, Polycarbonate plastic straight 12" tube, plastic coupler w/nylon screen, screws into 0.3 micron HEPA filter. A 2 ft rubber tube is attached to other end of filter comes with polycarbonate mouthpiece.	6T654	D	40.77	EA	A,N,F,M
01-454-2344	Point Punch, Entomology Specimen, 6" long X ¾" high X 3" wide, metal punch with spring expanded handle, wt. 0.4 lbs.	59590	J	50.53	EA	A,N,F,M
01-454-2345	Breeder, Mosquito, 8 ¾" high X 4 7/8" diameter, consists of two clear quart sized containers, a plastic lid between two sections contains a vinyl funnel through which the emerging adult mosquitoes fly into the upper section.	59590	J	22.66	EA	A,N,F,M
01-454-2348	Tray, Mosquito Larval Sorter, bright white polyethylene tray, 10" wide X 13 ½" long X 1 ¼" deep.	59590	J	15.02	EA	A,N,F,M
01-454-	Dipper, Entomological, white plastic 5" diameter with 3' wood handle,	59590	J	21.29	EA	A,N,F,M

2341	P/N 1132					
01-454-2354	Vials, Collection, Entomology Specimen, 6-dram w/polyseal cap, 23-mm diameter, and 85-mm length.	59590	J	10.09	DZ	A,N,F,M
01-474-7377	Tweezers, Tick Removal, Stainless Steel, El Mar, Inc P/N 0621	13873	D	3.00	EA	A,N,F,M
01-456-2530	Block, Insect Pinning, 1" wide X 3" long, cut to three levels, provides correct label and specimen height on insect pins.	59590	J	3.74	EA	A,N,F,M
6530 01-451-5144	Light, UV, Hand Held, w/replacement bulb (NSN 6210-01-449-3170). 2" X 4" X 8" plastic lamp w/ wrist strap, operates with 4AA batteries, wt. 1.5 lbs. S9M	0USV5	L	-----	EA	A,N,F,M

18. Sets and Kits.

NSN 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
00-952-2180	Trap, Rodent. Model 9-552-180, 18" X 15" X 15", wt 40 lbs. S9M		D	820.48	SE	A,N,F,M
00-148-7639	Insect Control Set, Part No. MC06250.7. C/O dusters, insecticides, protective clothing and related equipment identified in Marine Corps Stock List SI-3-07705A.	80372	J	3388.35	SE	M
6545-00-952-2175	Rodent Survey Kit, Used to survey for rodents. 30" X 25" X 20", wt 170 lbs. S9M		X	3076.80	SE	A,N,F,M
6545-00-952-2178	Rodent Survey Kit #1. Used to survey for rodents. 30" X 18" X 16", wt 118 lbs. S9M		D	2548.45	SE	A,N,F,M
6545-00-982-4121	Entomological Collecting Kit, Field, 30" X 24" X 15", wt 90 lbs. S9M		D	6848.37	EA	A,N,F

19. Personal Protection Materiel.

NSN	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
7210-00-266-9736	Insect Net Protector, Field Type, MIL -I-10901, 200" X 68", wt 1lb. Used to protect personnel from insects while sleeping. Mildew resistant nylon fabric. S9T	81349	D	26.20	EA	A,N,F,M
7210-00-267-5641	Pole, Folding Cot, Insect Net Protector. Four 30" X 1" wood poles, wt 1 lb., used to suspend Insect Net protector, Field Type (listed above) from military cots. MIL-P-17662. S9T	81349	D	4.05	SE	A,N,F,M
7210-00-300-6950	Clamp, Insect Net Protector Rod. Used to Attach Insect Bar, Rod s (listed below) to military cots. CID A-A-55099. Requires to clamps to attach Rods and erect the Insect Net Protector. S9T	58536	D	2.70	EA	A,N,F
7210-00-359-4850	Rod, Insect Net Protector. Two T-shaped metal rods, used to suspend the Insect Bar, Field Type. Rods may be pushed into the ground. Rods do not fit into military cots, use Insect Bar, Clamp (listed above). CID A-A-55099. Two Rods, Insect Net Protector are required to erect an Insect Net Protector. S9T	58536	D	6.50	EA	A,N,F
7210-00-266-9740	Insect Net Protector, MIL-I-82265, 27"X77.5," Used to protect personnel from insects while sleeping, for use with military cots. S9T	81349	D	27.20	EA	N
8415-00-935-3130	Insect Bar, Head Net. Used to protect head and neck from mosquitoes. 30" X 20," wt 1 lb. MIL-I-11489. S9T	81349	D	5.15	EA	A,N,F,M
8415-00-935-2914	Insect Net, Hat. CID A-A-55082. Nylon Netting, AG323, Elastic Headwear Attachment. S9T	58536	D	0.35	EA	A,N,F
8415-01-192-2357	Insect Net, Mittens. MIL-S-37205. Head and hand covering; nylon; black; packaged in heat -sealed, waterproof bag. A component of Survival Kit, Individual, NSN 6545-00-139-3671, but may be ordered separately. S9T	81349	L	5.80	EA	A,N,F
8415-01-035-0846	Parka, Insect Repellent. Issued with a two oz tube of 75% DEET Repellent, NSN 6840-00-753-4963, Size - Small. Wt 1 lb., MIL-J-87024. S9T	81349	D	16.60	EA	N,F,M
8415-01-035-0847	Parka, Insect Repellent. Issued with a two oz tube of 75% DEET Repellent, NSN 6840-00-753-4963, Size - Medium, Wt 1 lb. S9T	81349	D	16.60	EA	N,F,M
8415-01-035-0848	Parka, Insect Repellent. Issued with a two oz tube of 75% DEET Repellent, NSN 6840-00-753-4963, Size - Large, Wt. 1 lb. S9T	81349	D	16.60	EA	N,F,M

20. Devices for Electrocutation of Flying Insects, Reference Armed Forces Pest Management Board Technical Information Memorandum (TIM) No. 25, August 1988, for information on appropriate uses. See paragraph F.3, below to obtain either electronic or hard copies of TIM 25.

NSN	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
3740- 01-286-2361	Wall Mount, 80W, Type I and Class A, PN # CID	58536	D	239.57	EA	A,N,F,M
01-286-2362	Wall Mount, 40W, Type I and Class B	58536	D	185.22	EA	A,N,F,M
01-286-2363	Ceiling Mount, 80W, Type II and Class A	58536	J	268.40	EA	A,N,F,M
01-286-2364	Corner Mount, 80W, Type III and Class A	58536	J	242.53	EA	A,N,F,M
01-287-1036	Ceiling Mount, 40W, Type II and Class B	58536	J	369.83	EA	A,N,F,M

D. Emergency Procurement of Pesticides and Pest Management Equipment.

***ACQUISITION ADVICE CODES (ACC)**

Code D. DoD INTEGRATED MATERIAL MANAGER (IMM) STOCKED, AND ISSUED. Issue, transfer, or shipment is not subject to specialized controls other than those imposed by the Integrated Material Manager/Military Service supply policy.

1. The item is centrally managed, stocked, and issued.
2. Requisitions will be submitted in accordance with Military Service requisitioning procedures.

Code H. CENTRAL CONTRACT - NOT STOCKED ITEM. Direct delivery under central contract # (non-stocked items) issue, transfer, or shipment is not subject to specialized controls other than those imposed by IMM/Service/Agency supply policy.

1. The item is centrally managed and procured.
2. Normal issue is by direct shipment from the vendor to the user at the order of the ICP or IMM. However, orders for quantities less than the vendor's minimum order of quantity may be issued from stock by ICP or IMM supply distribution facilities.
3. Requisitions and fund citations will be submitted in accordance with IMM/Service/Agency requisitioning procedures.
4. Generally, delivery will be made within applicable Service/Agency guidelines addressing customer required delivery time frame.

Code J. NOT STOCKED, CONTROLLED PROCURED. Identifies IMM/Military Service centrally managed but not stocked items. Long lead times must be anticipated, since procurement will be initiated only after receipt of a requisition. Requisitions will be submitted in accordance with IMM/Military Service requisitioning procedures.

Code L. LOCAL PURCHASE. IMM/Military Service managed items authorized for local purchase, as a normal means of support, by the Military Service, or base, post, camp, or station level. Items not stocked in wholesale distribution system of IMM/Military Service ICP. The local purchase forms authorized by the individual IMM/Military Service must be used. NOTE: GSA FSS items are included.

E. Emergency Requisition Procedures.

1. Deploying and/or deployed forces often need pesticides and pest management equipment on short notice. The Defense Logistics Agency has established Emergency Supply Operations Centers (ESOCs) to help meet these needs.

2. For emergency procurement of pesticides, including repellents and pest management equipment, including pesticide application equipment: Contact the Defense Supply Center Richmond (DSCR) Emergency Supply Operations Center (ESOC) at DSN 695-4865 [commercial (804) 279-4865]. This ESOC is staffed 24 hours, 7 days per week.

3. For technical logistical inquiries, contact the DSCR Chemist at DSN 695-3995 or commercial at (804) 279-3995 during normal duty hours (0730-1700 hrs eastern standard time) or via pager number 1-888-824-4030, which is available 24 hours, 7 days per week.

4. For personal protection equipment (respirators, bed nets, head nets, etc.): Contact the Defense Supply Center Philadelphia ESOC Customer Assistance Branch at DSN 444-3042/3043 or Commercial at (215) 737-3041. The Philadelphia ESOC is staffed 0630-1700 hours Monday through Friday, eastern standard time.

F. Armed Forces Pest Management Board (AFPMB) Technical Information Memorandum (TIM) 24, “Contingency Pest Management Pocket Guide”.

1. This TIM is intended for field use during exercises and contingency operations by deployed forces. The purpose of TIM 24 is to provide basic information on using pesticides and pest management equipment to control disease vectors and pests during field situations worldwide.

2. Most of the pesticide dispersal equipment listed in paragraph C., above, should only be used by personnel (i.e. preventive medicine or installation pest control personnel) who have been formally trained and certified in accordance with DoD 4150.7-P, “The DoD Plan for the Certification of Pesticide Applicators, September 30, 1996 or DoD 4150.7-M, “DoD Pest Management Training and Certification, April 24, 1997. All other personnel should not procure or use pesticide dispersal equipment unless specifically authorized by Service instructions, regulations, or directives.

3. You may obtain copies of TIM 24 from the AFPMB Home Page:
<http://www.afpmb.org>

G. AFPMB TIM 19, Catalog of DoD Pest Management Materiel, Other than Pesticides.

1. This TIM is intended to graphically portray through electronic images, the equipment items named in this listing. Whereas this listing is updated at least three times per year, the catalog will be updated at most two times per year, so that there may be some lag between the two sources. The TIM also provides further technical details for the items on this list, and thus is designed to complement the list.

2. 2. TIM 19 is available from the AFPMB Home Page, other AFPMB publications are available from that site or by writing to: The AFPMB, ATTN: DPMIAC, Forest Glen Section, WRAMC, Washington, DC 20307-5001, or calling DSN 295-7479 or commercial (301) 295-7479. You may electronically access AFPMB publications via the AFPMB Home Page: <http://www.afpmb.org>

H. List Maintenance.

The Armed Forces Pest Management Board and Defense Supply Center Richmond in order to provide current information to the DoD Pest Management Community jointly publish this list. Comments and questions are welcome. Please send them to: Armed Forces Pest Management Board, Equipment Committee, ATTN: Ex Officio, Forest Glen Section, WRAMC, Washington, DC 20307-5001, or phone Commercial (301) 295-7476, or DSN 295-7476, or FAX Commercial (301) 295-7476 or to Clifford Myers at DSCR (804) 279-3995 or FAX (804) 279-3653, DSN 695. Pager is 1-888-824-4030.

US ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
ATTN: MCHB-TC-OEN
ABERDEEN PROVING GROUND, MD 21010-5403

DSN 584-3773
Commercial (410) 436-3773
FAX (410) 436-2037

INFORMATION REQUEST FORM

Please mark the items you wish to receive and fill out the information at the end of the form. Then, mail or FAX this page to us and we will promptly send you the information.

? **Request notification by E-mail of Bulletin availability. My E-mail address is:**

AEHA/CHPPM TECHNICAL GUIDES AVAILABLE

- ? USACHPPM Technical Guide No. 103, *Prevention and Control of Plague*, September 1995
- ? USAEHA Technical Guide No. 116, *Guide for Fish Kill Investigations*
- ? USAEHA Technical Guide No. 119, *Collecting & Shipping Insects for Resistance Testing*
- ? USAEHA Technical Guide No. 138, *Guide to Commensal Rodent Control*, December 1991
- ? USAEHA Technical Guide No. 142, *Managing Health Hazards Associated With Bird and Bat Excrement*, December 1992
- USAEHA TG No. 189. *Procedures for the Diagnostic Dose Resistance Test Kits for Mosquitoes, Body Lice, and Beetle Pests of Stored Products*, August, 1992.
- ? USAEHA Technical Guide No. 196, *Guide to Poisonous and Toxic Plants*, July 1994
- ? USACHPPM Technical Guide No. 208, *Procedures for Thermal Control of Cock-roaches in Army Food Service Facilities*, January 1997

PEST MANAGEMENT FACT SHEETS

- ? [Deer Hunter Tick-Borne Disease Protection](#)
- ? [DOD Insect Repellent System](#)
- ? [Fact Sheet on Ants](#)
- ? [Fact Sheet on Flies](#)
- ? [Fact Sheet on Floods and Pests/Pesticides](#)
- ? [Fact Sheet on Yellowjackets](#)
- ? [General Information paper on Cockroaches](#)
- ? [Information on the Africanized Honey Bee](#)
- ? [Just the Facts, *About Head Lice*](#)
- ? [Just the Facts, *Cockroach Control*](#)
- ? [Just the Facts, *Dengue*](#)
- ? [Just the Facts, *Eastern Equine Encephalitis*](#)
- ? [Just the Facts, *How to Protect Your Home, Pet and Family from Hantavirus Infection*](#)
- ? [Just the Facts, *Human Ehrlichiosis*](#)
- ? [Just the Facts, *Interim Recommendations for Reducing Risk of Hantavirus Infection*](#)
- ? [Just the Facts, *Japanese Encephalitis*](#)
- ? [Just the Facts, *LaCrosse Encephalitis*](#)
- ? [Just the Facts, *Mosquito Control around the Home*](#)
- ? [Just the Facts, *On Spiders*](#)
- ? [Just the Facts, *Pesticides and Child Safety*](#)
- ? [Just the Facts, *Rift Valley Fever*](#)
- ? [Just the Facts, *St. Louis Encephalitis*](#)
- ? [Just the Facts, *Ticks and Tick-borne Diseases*](#)
- ? [Just the Facts, *West Nile Encephalitis*](#)
- ? [Just the Facts, *Western Equine Encephalitis*](#)
- ? [Just the Facts, *Why Mosquitoes Cannot Transmit AIDS*](#)
- ? [Lyme Disease](#)
- ? [Protect Yourself From Tick-Borne Diseases](#)
- ? [Tick Removal](#)

OTHER DOCUMENTS

- ? *Getting Rid of Roaches*, USACHPPM, June 1993

PLEASE COMPLETE THE FOLLOWING

NAME:

ADDRESS:

PHONE: DSN _____
COMMERCIAL _____
FAX NO: (Commercial Please) _____

E-MAIL ADDRESS: _____