

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.

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

SEASON'S GREETINGS



As the Holiday Season rapidly approaches, we would like to take this opportunity to wish you a very joyous holiday season and a very Happy New Year. This issue of the Pest Management Bulletin begins the 22nd year of publication. Over the years, we have seen a number of changes in the way the Bulletin is prepared. This issue marks a big change for us. This is the first issue for which there will be no mailing of paper copies. As a result of this transition, we have lost a significant number of Bulletin recipients who did not provide us with e-mail addresses. If you know of anyone who had been receiving the Bulletin and did not receive a notice that this issue is now available, or if you know of someone who would like to receive

a notice that new issues of the Bulletin are available, please let us know. You can reach us at the DoD Pesticide Hotline at DSN 584-3773, commercial (410) 436-3773 or by e-mail at Kenneth.Olds@apg.amedd.army.mil.

We would like to remind you that this Bulletin is designed to keep you informed of things that are happening in the pest management community. With that in mind, if you have information that would be of interest to the rest of the pest management community or if you have ideas for article topics, please contact us. We truly welcome your input.

AFPMB UPDATE



The following are some highlights of the recent Armed Forces Pest Management Board meeting.

MALATHION - As you probably know, EPA is looking at malathion, and other organophosphate pesticides, for re-registration. An update by Ms. Betty Stafford of EPA, indicates that the data for malathion looks pretty good except for one area of concern. The storage of malathion at temperatures above 77°F can lead to the formation of a product called malaoxon that is more toxic than malathion. They have also found that malaoxon is formed when cities in the arid southwest spray malathion. It is not known at this time what actions might be taken to address these problems.

PYRETHRIN - EPA is also beginning to look at the re-registration of pyrethrum products. Currently, they are looking at pyrethrin as well as the synergists piperonyl butoxide and MGK 264. All product labels containing these ingredients are currently under review. According to Barry O'Keefe of EPA, there are many very ambiguous and vague statements on the labels. EPA is trying to develop a master label that will include all of the commonly listed uses. It is hoped that this will be accomplished sometime this winter.

NEW NSNs. The Aegis Tamperproof Bait Stations - Rat and Mouse Clear Lid Models and Rat "Cool Box" will be added to the Equipment List. They will be added to TIM 19, *The Catalog of*

DoD Pest Management Equipment, in the near future. But, in the meantime, you can find out more about them from the Aegis Web Site <http://www.aegisres.com>

ITEMS DELETED.

- a) The NSN for the Solo Back Sprayer Model 423 will be cancelled pending exhaustion of stock. This model is no longer being produced by the manufacturer, although spare parts may still be supported. This will leave the STIHL Backpack as the lone one on the list.
- b) The NSN for Allethrin-Resmethrin aerosol will be cancelled pending exhaustion of stocks, the manufacturer no longer produces this staple of the DPW Family Housing self-help program. There is no replacement for this pyrethroid insecticide at this time.
- c) The NSN for the 75% DEET formulation will also be cancelled for the same reason as the last two - the manufacturer no longer produces this product. This formulation had remained in the supply system to be used to reapply repellent to the insect repellent jacket, The insect repellent jacket is still used by the Navy and the Marines. The Equipment Committee will be looking at replacement jackets that will block insects from biting, but do not require the application of any repellent.

NEW/REVISED TIMs.

- a) TIM 30, *Filth Flies*, was adopted as a Technical Information Memorandum. It should be available on the Board Web page and in hardcopy from DPMIAC in early December.
- b) A revised TIM 22, *Guidelines for Testing Experimental Pesticides on DoD Property* is at the EPA for final review before DPMIAC publication, and should be ready for distribution in late December.
- c) TIM 27 - *Stored Product Monitoring Methods* was republished in September.

HOME REMEDIES



The following is a compilation of home remedies that I have accumulated over the years. Where I have been able to find information on the effectiveness or ineffectiveness of these remedies, I have added the source for the information. Be aware that these may or may not work. They are provided for informational purposes only.

- [Ants](#)
- [Roaches](#)
- [Crickets](#)
- [Fleas](#)
- [Houseflies](#)
- [Mosquitoes](#)
- [Fabric Pests](#)
- [Garden Insects](#)
- [Gophers](#)
- [Moles](#)
- [Rats](#)
- [Houseplant Pests](#)
- [Insect Bites](#)
 - Bees
 - Chiggers
 - General
 - Mosquitoes
- [Skunk Odors](#)

ANTS

- Vinegar to get rid of tiny ants.
- "One clove of garlic, one onion, one tablespoon of cayenne pepper and a quart of water. Steep for one hour, add a tablespoon of liquid soap and spray it around the house" for ant and roach control.
- Mixing baking soda with powdered sugar and applying to infested areas.
- Wash kitchen surfaces with vinegar solution and sprinkling bone meal, chili powder and powdered charcoal in and around suspected points of entry.
- Pour a line of any of the following where the ants are entering the building: cinnamon, cream of tartar, red chili pepper, salt, dried mint or sage, or cucumber peelings.
- Place a cinnamon stick across the path of insects coming through doors or windows.
- Apply perfume to the entry point.
- Mix a tablespoon of sugar and a tablespoon of borax with 2 tablespoons of water. Soak cotton balls in mixture and place on low lids.
- Band sticky, adhesive materials around base of plants and trees to deter ants, which can carry and colonize aphids.
- Border gardens with bone meal.
- Mix 2 tablespoons boric acid, 2 tablespoons sugar and a cup of water. Soak paper towels, place on dishes, and set out for ants.
- Mix 4 ounces of mint jelly with 2 tablespoons of powdered boric acid. Cut small squares of making tape and dab mixture on tape. Stick on floors behind cabinets and appliances.
- Pour boiling water over the ant nest .
- Pour a line of cream of tartar or chili powder where ants enter house and they will not cross it.
- For fire ants, sprinkle a teaspoon of instant grits on each mound.
- Mixture of 10 1/2 ounces of water, 3 ounces of Tabasco sauce, 2 1/2 ounces of Dr. Bronner's peppermint soap liquid (available at health food stores). Spray where ants enter the home.
- Combine: 1 part active yeast 2 parts molasses, 1 part sugar. Mix the ingredients well. Drop a teaspoonful on several small squares of white paper. Place the paper squares along ant trails where they will not be disturbed. How does it work? The ants are attracted to the sugary feast and will consume it readily. The action of the yeast, however, will produce gas their bellies, which they cannot rid themselves of. They essentially will pop. The best part of this method of pest control is that it utilizes no chemicals which could harm you or your family.
- 3 parts Apple Jelly 1 part boric acid crystals Mix ingredients thoroughly. Cut standard soda straws into 2 - 3 inch pieces. Fill a 5 - 10 ml disposable syringe (without needle) with mixture. Use this to fill soda straw pieces. Place in areas that ants have been observed. Keep out of reach of children and animals.
- Make a syrup out of corn syrup, honey, white sugar and water. Mix it on the stove until the sugars all melt and it's syrupy but pourable. Then add a good amount of boric acid powder. Apply the syrup to the areas where the ants congregate.
- Put bay leaves and Listerine mouthwash in the corners of the food pantry.

- To keep ants away from hummingbird feeders wipe the string that holds the feeder with Vaseline petroleum jelly.

ROACHES

- Make a roach dough by combining 1/2 cup and 1/4 cup shortening or bacon drippings. Add 1/2-cup onions, 1/2-cup flour and 8 ounces baking soda. Add enough water to make a dough-like consistency.
- Bay leaf in flour bin to keep roaches out. **Found ineffective by Dr. Mike Rust**
- "One clove of garlic, one onion, one tablespoon of cayenne pepper and a quart of water. Steep for one hour. Add a tablespoon of liquid soap and "spray it around the house" for ant and roach control.
- Mixing baking soda with powdered sugar and applying to infested areas.
- Equal amounts of oatmeal flour and plaster of Paris or equal amounts of baking soda and powdered sugar or equal amounts of borax and brown sugar.
- Place bay leaves around cracks in room.
- Set out a dish of equal parts oatmeal and plaster of Paris.
- 8 parts powdered rodent chow, 3 parts granulated sugar, 1 part boric acid crystals. Add water to make the mix about the consistency of good mud pies and add green food coloring to avoid unintentional misuse as animal feed. Roll the mix into balls about 1-inch in diameter. Place balls of bait in locations used by roaches for raceways and harborage. The bait needs to be made up fresh every 3 months.
- Take a one-pound empty coffee can. Place 1 or 2 pieces of bread in the bottom of the can and soak thoroughly with beer - yes, beer. Place in areas known to have roach infestations. Be prepared to view a can 1/4 to 1/2 full of roaches the next day!
- Slices of fruit from Osage orange trees for repelling roaches. **Limited value - Dr. Mike Rust**
- Place slices of raw cucumbers in cupboards and kitchen drawers.

CRICKETS

- Get a box of 20 Mule Team Borax and sprinkle generously around doorways and corners in- or outside. Works well in garages and sheds.

FLEAS

- Eucalyptus, rosemary, citronella, pennyroyal, garlic on pets to keep fleas off - **Ineffective**
- Bayberry leaves as repellent on cats - **Ineffective - William Dern and Richard Patterson**
- Ultrasonic flea killers for pets - **These do not kill, repel, affect the jumping rates, or interfere with reproduction/development of fleas - Dr. Michael Dryden of Kansas State University.**
- Brewers yeast, B-complex vitamins and elemental sulfur for flea control - **Not effective**
- Solution of boric acid with water and used on pets for flea control.
-

HOUSEFLIES

- Sugar and yeast for killing houseflies - **Attracted more flies than it killed**
- Sprinkle dry soap into garbage cans after they have been washed and allowed to dry; it acts as a repellent.
- Place tansy near your kitchen door or where flies tend to cluster. Other repellents include oil of cloves and mint springs.
- Set a sponge in a saucer and soak it with oil of lavender to repel flies.
- A pot of basil set on a windowsill or table will help reduce the number of flies in the room.

MOSQUITOES

- Rub citronella oil on exposed areas or burn citronella candles.
- Pennyroyal, rubbed on the skin, tansy planted near a door, or basil plants will repel mosquitoes.

FABRIC PESTS

- Cedar wood and cedar odors - **not effective. At best only a few months of control in an airtight chamber.**
- Cedar chips, newspapers, lavender and flower petals - **Cedar chips known to be ineffective, others unknown.**
- Mix 1/2 pound rosemary, 1/2 pound mint, 1/4 pound thyme, 1/4 pound ginseng, and 2 tablespoons cloves and put in cheesecloth bags to be used as a sachet.
- Sachets of any of the following: dried lemon peels, dried lavender, bay leaves, whole cloves, cedar chips, dried rosemary and mint or whole peppercorns.

GARDEN INSECTS

- 2-liter plastic bottle string 1 banana peel 1-cup sugar 1-cup strong vinegar Slice banana peel into strips and insert them into the plastic bottle. In a separate container, combine sugar and vinegar. Pour this mixture into the bottle, and then fill it to within two inches of the neck with water. Tie the string around the neck of the bottle, and then tie other end around the lower branches of a tree.
- Fruit and black flies, yellow jackets and other insects find the fermenting banana, sugar and vinegar more attractive than the fruit on the tree. Once they fly in, they get caught in the sticky mixture and drown. This reportedly works so well that it can make spraying fruit trees unnecessary.
- Mix 1-tablespoon dishwashing detergent and one-cup vegetable oil. Add 1 to 2 teaspoons of this mixture with one cup of water and spray it on their plants.

GOPHERS

- Pouring garlic salt down the hole.

MOLES

- Spearmint gum for mole control - **useless - Bobby Corrigan, Purdue University**
- Castor bean as a repellent

RATS

- Plaster of Paris in rat baits - **changed color of rodent droppings to light gray and nothing more, Dr. Bill Jackson, Bowling Green University. Also causes sore rectums, Bill Fitzwater.**

HOUSEPLANT PESTS

- Dishwater or soap and water.
- Spray of garlic, onion, cayenne pepper and soap.
- Wipe the leaves with olive oil for whitefly control.

INSECT BITES

Bees

- Pain can be soothed by a thick paste of baking soda and water
- Half an onion applied to a bee sting help to stop the pain and swelling.

Chiggers

- To ease the pain and itching of chigger bites, rub with a moist aspirin tablet

General

- To treat insect bites, rub on apple cider vinegar to relieve the itching. A paste made of baking soda also helps.
- To avoid insect bites, avoid wearing perfume, bright colors and flowery print clothes or bright jewelry.

Mosquitoes

- Soak bites in salt water or apply a paste of salt mixed into lard or cold cream.

SKUNK ODORS

- For those who may have been exposed to skunks, here is a home remedy to get rid of the odor: Mix one part of 3% hydrogen peroxide, 1/4 cup of baking soda, and 1 teaspoon of

liquid soap. All of these are available at your local drugstore. Use the concoction immediately and then rinse off with tap water.

UPDATE ON WEST NILE VIRUS

WEST NILE VIRUS – USA



The following is a FY 2000 season state-by-state and military West Nile Virus (WNV) surveillance summary as of 24 Nov 2000. The data are summarized from ProMED-mail and USACHPPM-North reports

To this date, only the New York State Department of Health is reporting weekly WNV surveillance data. Season totals for all states reporting WNV surveillance follows:

New England

Vermont has reported one (1) positive bird. New Hampshire found seven (7) birds to be positive, also reported that all mosquitoes tested were negative. Massachusetts reported one (1) positive horse, four (4) positive mosquito pools, and 442 positive birds this season. Rhode Island had one (1) horse and 71 birds test positive for WNV.

Connecticut announced its final results for the 2000 season and its total number of positive samples are as follows: One (1) human, 14 mosquitoes (137,199 tested), 1105 birds, seven (7) horses (33 tested). The human patient experienced only headache and did not meet the full clinical case definition established by CDC.

Mid Atlantic States

Delaware reported three (3) WNV-positive horses. 50 birds tested positive in Maryland, and three (3) birds tested positive in Washington, DC. Pennsylvania also conducted surveillance this year and reported 45 positive mosquito samples (2,629 tested) and 32 positive birds (916 tested).

In New York, the total number of WNV-positive specimens is 13 humans, 1,271 dead birds, 357 mosquito pools, two (2) sentinel chickens, eight (8) live wild birds, 14 bats, 24 horses, two (2) cats, two (2) raccoons, three (3) domestic rabbits, three (3) squirrels, and one (1) chipmunk.

To date in New Jersey, four (4) humans (1 case fatal), 1,137 birds, 53 mosquito pools (14,329 tested), four (4) sentinel chickens, 27 horses (7 horse deaths) have tested positive for WNV.

WNV was isolated further south this year with four (4) dead crows testing positive in Virginia and one (1) dead crow testing positive in North Carolina.

WNV Surveillance on military installations

This year WNV surveillance was conducted on military installations in Washington, DC, New York, Pennsylvania, New Jersey, Maryland, Virginia, and North Carolina. All testing of mosquito pools trapped on military installations for WNV was conducted at CHPPM-North, Ft. Meade, MD. Of the 1,075 pools of mosquitoes tested, only one pool of *Anopheles*, trapped in New York, was positive for WNV. All birds from military installations have tested negative.

Information compiled by CPT Michael Desena, CHPPM.

TRIENNIAL DOD PEST MANAGEMENT WORKSHOP



The Triennial DoD Pest Management Workshop and 166th Meeting of the Armed Forces Pest Management Board will be held 25 February through 2 March 2001 at Naval Air Station, Jacksonville, Florida. The Workshop is open to all DoD Pest Management Professionals, and others by invitation of their Service Senior Pest Management Consultant (Dr. Bennett: Army; Mr. Fordham: Air Force; Mr. Shultz: Navy). The theme of the workshop is "Integrating Readiness, Force Protection, and Environmental Security."

IT'S IN THE NEWS

IN MD, ONE SCARE MEETS ANOTHER



By Michael E. Ruane, Washington Post Staff Writer, Tuesday, October 17, 2000; Page B02

It was a fat tube with batteries and wires, hanging in a tree outside a town house complex the other night. It appeared to be smoking.

In these anxious times, Montgomery County police feared the worst. They sealed off the perimeter, told people to take to their basements, and, soon, flak-vested, helmeted county bomb experts were studying it through binoculars.

The contraption didn't seem homemade. Plus, you don't often find bombs in trees.

Seconds ticked by. Then county fire-rescue Lt. Rob Rutten, peering into the darkness, noticed that the device had writing on it. Oddly, it was in English. As he looked, he could make out the words one by one.

"Maryland . . . Department . . . of . . . Agriculture," he read. Plus, there seemed to be a phone number. What kind of a sinister device was this?

Then the light went on. What police and county explosives experts had scrambled on last week outside Rockville was not a bomb but a mosquito trap, baited with smoky dry ice, and set up as part of the state's West Nile virus surveillance.

There was a general sigh of relief, followed by a laugh or two.

The story was recalled yesterday by county officials, who praised the police, bomb experts and citizenry and gave thanks it was only something to joke about.

"You pick up the newspaper and you listen to the news, and every time you turn around there is a new form or new possibility of some kind of tragedy," said County Council President Michael L. Subin (D-At Large).

"There's international terrorism, international unrest and a virus in our midst," he said. "This is a case where we juxtaposed several different, unrelated circumstances. It turns out that it is something we can chuckle about. It could have just as easily been just the opposite."

The incident began about 9 p.m. Oct. 9 when county police officer Stephen D'Ovidio was summoned to investigate a suspicious device in some woods along Hogenhill Terrace, off Bel Pre Road, just north of Rockville.

D'Ovidio, 34, a 13-year member of the force, walked in the dark toward a weird light coming from a pine tree.

"I got to within about 15 feet and I saw wires running to a battery, and I said, 'Wait a minute,' " he recounted yesterday. "To me, it looked like a bunch of pipe bombs wrapped together with duct tape."

He backed off, told neighbors they might want to stay in their basements and called for the bomb squad.

County bomb experts Rutten and Capt. Mario Reda arrived minutes later in their bomb truck. They grabbed binoculars and donned special helmets and flak vests to take a closer look.

What they didn't know right away was that technicians from the Maryland Department of Agriculture, which handles the state's mosquito control program, have been setting mosquito traps all season to see whether they can find any insects infected with West Nile.

The virus, which can be fatal but usually is not very serious in humans, is carried by mosquitoes, which can infect people, birds and other wildlife.

The trap is an unusual-looking device, somewhat resembling a lantern.

It has a small, battery-powered light to attract insects, and often a container of dry ice. The dry ice emits carbon dioxide gas, which attracts mosquitoes, and the smoky vapor can get the attention of people as well.

On Oct. 5, the state announced that birds infected with the virus had for the first time been found in Montgomery County--one of them about a mile from Hogenhill Terrace.

Reda said yesterday that when they dialed the phone number on the side of the trap, they got the manufacturer, who cleared things up immediately. Reda said he, Rutten and police stood down and left the trap "operational."

"Anybody would think it was out of the norm," he said. "It caused alarm, and we could understand that."

Yesterday, when state mosquito control supervisor Cyrus R. Lesser was told of the incident, he groaned, "Oh, no," but said he, too, understood. The trap's "got a battery on it and wires and from certain angles you can see the smoke coming off."

"It's a bad time," he added. "A lot of people are on edge about a lot of things."

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RABIES, HUMAN - USA (MINNESOTA)

Minnesota's first case of human rabies since 1975 has been diagnosed in a 47-year-old Becker County man who died yesterday in a Fargo, N.D., hospital.

Officials at the Minnesota Department of Health (MDH) believe the man was probably infected with the rabies virus when he was bitten by a bat, sometime between 20 Sep 2000 and 28 Sep 2000.

The man did not seek appropriate medical attention until it was too late to receive preventive treatment for rabies, officials said. He did see a physician on 14 Oct 2000, but the doctors who treated him were not informed about the bat bite until after he was hospitalized on 19 Oct 2000.

His illness was confirmed as rabies yesterday, based on testing done by the U.S. Centers for Disease Control and Prevention (CDC) in Atlanta.

The case underscores the importance of seeking prompt medical attention if you are bitten by an animal that could be infected with rabies, according to MDH officials.

Rabies can be prevented following exposure to a rabid animal if treatment is started before symptoms of the illness appear. Once a person develops symptoms of rabies, the illness is always fatal.

Rabies is rare in humans. Only 3 cases were reported in Minnesota during the past century. In addition to the 1975 case, human rabies cases were reported in 1917 and 1964. The Minnesota case was the fourth to be reported this year in the U.S., following reports of cases in California, Georgia and New York State. A little over 3 dozen cases have been reported nationwide since

1980. Of those individuals who were infected in this country, most had strains of the virus typically found in bats.

Humans usually become infected with rabies as the result of being bitten by a skunk, a bat, or some other animal. Two of the other 3 cases reported this year in the U.S. were caused by virus strains that are found in bats. Although skunks and bats are the main source of the rabies virus in Minnesota, dogs, cats and cattle are also among the animal species most frequently diagnosed with rabies.

Transmission of the virus from one person to another is not considered to be a significant risk.

People should seek medical attention any time they have been in a situation where they could have been infected by a rabid bat. That includes cases where they may have been sleeping while a bat was in the room, and could have been bitten or scratched without knowing it. The possibility of an unnoticed bite or scratch is a special concern in the case of children, the mentally disabled, or individuals who were under the influence of alcohol or drugs.

Although it's considered rare, you can also be infected if you get saliva or brain tissue from an infected animal in your eyes, nose or mouth, or in an open wound.

People who may have been exposed to the rabies virus are given a shot of rabies immune globulin, and 5 doses of rabies vaccine, given over a one-month period. Treatment is unnecessary if the suspect animal can be captured, tested, and found to be free of the virus. In the case of dogs, cats or ferrets, treatment can often be avoided if the animal is held for observation, and remains free of symptoms.

Those who may be apprehensive about getting rabies shots should be aware that the vaccine is no longer given through a series of painful shots in the abdomen. The current vaccine is administered through a shot in the arm.

MDH is also reminding people that they should get their household pets immunized against rabies, MDH officials said. Rabies shots are available for dogs, cats and ferrets.

People with concerns about possible exposure to rabies, or questions about the disease, can call MDH at during normal business hours.

Dr. Richard Danila
Asst. State Epidemiologist

From: ProMED-mail
Sent: Tuesday, October 31, 2000 12:19 AM

ILLINOIS FOOD DISTRIBUTOR SENTENCED FOR 'RODENT ADULTERATION'

October 27, 2000

RATS!

A.E.B. Co., an Aurora, Ill.-based food distributor, was sentenced in U.S. District Court for the Northern District of Illinois to two years probation and fined \$25,000 following a July 17 conviction for causing about 12,000 pounds of various meat and poultry products to become "rodent-adulterated," according to a Food Safety and Inspection Service news release.

A.E.B. (doing business as Eby-Brown Co.) was ordered by the court to repair and maintain its facility to meet federal and state requirements; implement a sanitation program; regularly check for and dispose of adulterated meat and poultry products; and continue to use an outside pest control service.

(www.meatingplace.com)

Dan Murphy

FSNET OCTOBER 27, 2000)

EPA ISSUES STOP SALE ORDER AGAINST NEW TECH FOR PESTICIDE 'KRITTER KILLER'

CHICAGO, Nov. 14 /PRNewswire/ -- U.S. Environmental Protection Agency (EPA) Region 5 has recently ordered New Tech International (Warren, MI) to stop selling the unregistered pesticide Kritter Killer. The order prohibits New Tech from selling, using, or removing for disposal any pesticide product known as Kritter Killer, including any sales via the internet (e-commerce).

Under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), EPA must register a pesticide before it can be sold or distributed in the United States. This process ensures that the pesticide does not pose an unreasonable risk to human health or the environment.

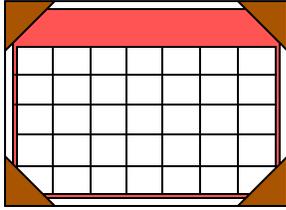
New Tech has been selling and distributing the industrial product cleaner containing tetrachloroethylene, a known human carcinogen.

New Tech failed to obtain a registration for its Kritter Killer and has been illegally selling the product as an insecticide and rodenticide. An August 2000 inspection by the Michigan Department of Agriculture revealed product samples, label graphics, and customer order records for Kritter Killer with illegal claims that the product could be used safely as a rodenticide.

New Tech, 11470 Kaltz St., did not register or provide evidence to EPA that use of Kritter Killer does not pose unreasonable adverse effects to human health and the environment when used as a pesticide. Under FIFRA, companies must prove, during the registration process, that their products are effective.

SOURCE US Environmental Protection Agency
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UPCOMING EVENTS



** 2000**

DECEMBER

3 December – 6 December 2000. **Ohio Pest Control Association's (OPCA's) Winter Meeting**, Cleveland, OH. Contact: Ward Freeman, 440-951-2735.

3 December – 7 December 2000. **Entomological Society of America**, held in association with the annual meetings of La Société d'Entomologie du Québec and the Entomological Society of Canada, Palais des Congrès de Montréal, Montreal, Canada. Contact: ESA, (301) 731-4535 or visit the website at <http://www.entsoc.org>

4 December 2000. **Ohio Pest Control Association's (OPCA) Recertification Training**, Rockside Holiday Inn, Cleveland, OH. Contact: Tim Barnett, 216-771-0555

4 December – 5 December 2000. **Pest Control in Grain Stores**, Marlborough, Wilshire, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

7 December 2000. **Methyl Bromide Refresher Workshop**, BPCA, Derby. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

8 December 2000. **Florida Pest Control Association (FPCA) Termite Symposium**, Orlando, FL. Contact: FPCA, 800-426-4829

10 December – 15 December 2000. **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

13 December 2000. **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

**** 2001 ****

JANUARY

16 January - 18 January 2001. **North Carolina Pest Control Association's (NCPA) 51st Annual Pest Control Technician's School**, Hilton North Raleigh Hotel, Raleigh, NC. Contact: Bridget Clarke, 800-547-6071

24 January - 26 January 2001. **Florida Pest Control Association (FPCA) Management Workshop**, Radisson Plaza Hotel, Orlando, FL. Contact: FPCA, 800-426-4829

29 January – 30 March 2001. **The Gorgas Course in Clinical Tropical Medicine**, Instituto de Medicinal Tropical, Lima Peru. Contact: The University of Alabama at Birmingham, 800-UAB-MIST or e-mail at <mailto:info@gorgas.org>

FEBRUARY

6 February 2001. **Phosphine Refresher Workshop**, BPCA, Derby, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

7 February 2001. **Storage & Transport of Fumigants Workshop**, BPCA, Derby, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

18 February – 22 February 2001. **American Mosquito Control Association's Annual Meeting**, Hyatt Regency Dallas at Reunion, Dallas, TX. Contact: AMCA, 318-474-2723.

19 February - 23 February 2001. **International Course on Laboratory Methods for the Diagnosis of Leptospirosis**, Amsterdam, The Netherlands. Contact: The web page at: <http://www.kit.nl/biomed/html/course.htm> or send a request for a brochure and application form to: Dr. R.A. Hartskeerl, Head Leptospirosis Reference Laboratory, Biomedical Research, Royal Tropical Institute (KIT), Meibergdreef 39, 1105 AZ AMSTERDAM, THE NETHERLANDS, tel. 31-20-5665454, fax. 31-20-6971841

20 February 2001. **Safe & Effective Use of Air Weapons**, Leatherhead, Surrey, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

26 February – 9 March 2001. **Ten Day Modular Pest Control Training**, Imperial College, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

26 February – 2 March 2001. **2001 DoD Pest Management Workshop**, Naval Air Station, Jacksonville, Florida. Contact: Armed Forces Pest Management Board, (301) 295-7476.

MARCH

6 March 2001. **Rabbit Control**, Churt, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

7 March 2001. **Mole Control**, Churt, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

8 March – 9 March 2001. **Colorado Pest Control Association's Spring Conference**, location to be announced. Contact: Elaine DeWitt, 303-287-4115.

8 March – 9 March 2001. **Stored Product Insects and Mites**, Imperial College, Ascot, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

21 March 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 March – 14 March 2001. **Pest Control in Grain Stores**, Newmarket, Suffolk, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

18 March – 23 March 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

APRIL

2 April 2001. **Rabbit Control**, Louth, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

3 April 2001. **COSHH & Risk Assessment**, BPCA, Derby, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

3 April 2001. **Mole Control**, Louth, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

4 April 2001. **Safe Use of Pesticides**, BPCA, Derby, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

6 April 2001. **Working in Confined Spaces**, BPCA, Derby, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

7 April 2001. **Grey Squirrel Control**, Louth, England. Contact: British Pest Control Training, 1 Ground Floor, Gleneagles House, Vernon Gate, Derby, DE1 1UP, 01332 294288 or email enquiry@bpca.org.uk

MAY

13 May – 15 May 2001. **Second Annual Symposium on *Coptotermes formosanus***, Radisson Hotel, New Orleans, LA. Contact: Formosan Subterranean Termite Unit, 504-286-4452.

JUNE

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

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: http://opal.msu.montana.edu/conf_services/biocontrol/index.htm

SEPTEMBER

2 September – 6 September 2001. **3rd European Vertebrate Pest Management Conference**, Kibbutz Ma'ale Hachamisha, Israel. Contact: Ortra Ltd, PO Box 9352, Tel Aviv 61092, Israel, FAX +972 3 638 4455 or e-mail vert@ortra.co.il

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

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

DECEMBER

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

* * * * 2002 * * * *

FEBRUARY

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

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.



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/pubs/misc/pest0400.htm>

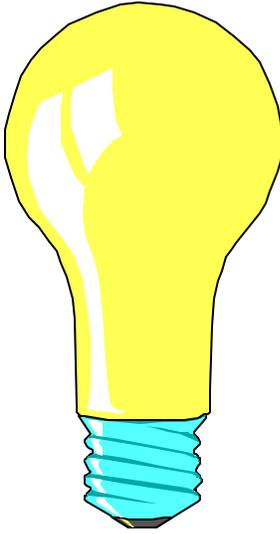


DOD EQUIPMENT LIST

[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/pubs/misc/dod0400.htm>



ON THE LIGHTER SIDE



Just in case you think you are TC (technologically challenged), the following is an excerpt taken from a Wall Street Journal article:

1. Compaq is considering changing the command "Press Any Key" to "Press Return Key" because of the flood of calls asking where the "Any" key is.
2. AST technical support had a caller complaining that her mouse was hard to control with the dust cover on. The cover turned out to be the plastic bag the mouse was packaged in.
3. Another Compaq technician received a call from a man complaining that the system wouldn't read word processing files from his old diskettes. After trouble-shooting for magnets and heat failed to diagnose the problem, it was found that the customer had labeled the diskettes, then rolled them into the typewriter to type the labels.
4. Another AST customer was asked to send a copy of her defective diskettes. A few days later a letter arrived from the customer along with photocopies of the floppies.
5. A Dell technician advised his customer to put his troubled floppy back in the drive and close the door. The customer asked the tech to hold on, and was heard putting the phone down, getting up and crossing the room to close the door to his room.
6. Another Dell customer called to say he couldn't get his computer to fax anything. After 40 minutes of trouble-shooting, the technician discovered the man was trying to fax a piece of paper by holding it in front of the monitor screen and hitting the "send" key.
7. Yet another Dell customer called to complain that his keyboard no longer worked. He had cleaned it by filling up his tub with soap and water and soaking the keyboard for a day, then removing all the keys and washing them individually.
8. A Dell technician received a call from a customer who was enraged because his computer had told him he was "bad and an invalid". The tech explained that the computer's "bad command" and "invalid" responses shouldn't be taken personally.
9. A confused caller to IBM was having troubles printing documents. He told the technician that the computer had said it "couldn't find printer". The user had also tried turning the computer screen to face the printer-but that his computer still couldn't "see" the printer.
10. An exasperated caller to Dell Computer Tech Support couldn't get her new Dell Computer to turn on. After ensuring the computer was plugged in, the technician asked her what happened when she pushed the power button. Her response: "I pushed and pushed on this foot pedal and nothing happens. "The "foot pedal" turned out to be the computer's mouse.
11. Another customer called Compaq tech support to say her brand-new computer wouldn't

work. She said she unpacked the unit, plugged it in and sat there for 20 minutes waiting for something to happen. When asked what happened when she pressed the power switch, she asked, "What power switch?"

12. True story from a Novell NetWire SysOp:

Caller: "Hello, is this Tech Support?"

Tech: "Yes, it is. How may I help you?"

Caller: "The cup holder on my PC is broken and I am within my warranty period. How do I go about getting that fixed?"

Tech: "I'm sorry, but did you say a cup holder?"

Caller: "Yes, it's attached to the front of my computer."

Tech: "Please excuse me if I seem a bit stumped. It's because I am. Did you receive this as part of a promotional, at a trade show? How did you get this cup holder? Does it have any trademark on it?"

Caller: "It came with my computer, I don't know anything about a promotional. It just has '4X' on it."

At this point the Tech Rep had to mute the caller, because he couldn't stand it. He was laughing too hard. The caller had been using the load drawer of the CD-ROM drive as a cup holder, and snapped it off the drive!

13. Another IBM customer had troubles installing software and rang for support. "I put in the first disk, and that was OK. It said to put in the second disk, and I had some problems with the disk. When it said to but in the third disk - I couldn't even fit it in." The user hadn't realized that "Insert Disk 2" meant to remove Disk 1 first.

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 November 7, 2000

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):

JAN 8 – 19, 2001

MAR 26 – APR 13, 2001

JUN 4 – JUN 22, 2001

AUG 13 – AUG 31, 2001

Recertification (6H-F13/322-F13)

DEC 11 – 15, 2000

JAN 29 – FEB 2, 2001

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 (B0-322-1071), 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)

NOV 8 – 9, 2000

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:
DEC 12 – 15, 2000
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 certification has not expired may attend this course.

JUN 18 – 29, 2001*
*Camp Pendleton

Shipboard Pest Management (B-322-1075): NDVECC(B)
NOV 1, 2000
JAN 3, 2001
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 – 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.

NOV 13 – 17, 2000

DEC 11 – 15, 2000

JAN 22 – 26, 2001

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/pest102000.htm>

LIST OF STANDARD PESTICIDES AVAILABLE TO DOD COMPONENTS AND ALL FEDERAL AGENCIES AS OF OCTOBER 1, 2000

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
00-027-6467	Herbicide, Borate-Bromacil mixture, 94% sodium metaborate tetrahydrate, 4% bromacil, granular (Borocil IV)	50-lb bag	Y	114.84	BG	A,N,F
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.	Z	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% (Surflan A.S.)	1-gal bot	L	-----	GL	A,N,F,M
00-145-0013	Herbicide, Prometone, 25% prometone, emulsifiable concentrate (Prमित 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	D	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

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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 Briquettes)	100 Briquettes	D	75.21	BX	A,N,F,M
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	11-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	H	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	J	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, Lambda-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

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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 (Altosid XR Briquets)	220 Briquets	D	714.50	BX	A,N,F,M
01-424-2493	Insecticide, Methoprene (Altosid 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	J	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	D	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	32.69	BX	A,N,F,M
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

*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>

DoD PEST MANAGEMENT MATERIEL, OTHER THAN PESTICIDES, LISTING As of OCTOBER 1, 2000

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. 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. 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	58536	D	137.71	EA	A,N,F,M
00-641-4719	Sprayer, Pesticide 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, 11lb 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 14-oz 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	570.32	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	D	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	2709.00	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	2709.00	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	2709.00	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,	81349	C	995.00	EA	A

	51" X 15" X 19", wt 100 lbs. Flow rate – 3GPM at 300 PSI operating pressure. Pesticide tank not included. A12					
01-454-1981	Pesticide Sprayer, Electric, Liquid (SPEL), AG 25 Sprayer, battery/electric, solid stream sprayer, 25 gal plastic tank, 15 ft hose, .0375 in inside diameter hose, wt. 25.6 lbs., L 29 ½" x W 20"x H 16."	03JL1	J	440.63	EA	A,N,F,M
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 Weed-Seeker 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 to GPM at 30 to 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	2490.24	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

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	82.93	EA	A,N,F
00-607-0337	Trap, Mosquito Light, New Jersey. Used to collect mosquitoes where 110 Volt-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	116.39	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-	Trap, Insect, Sticky Trap, Roach, .box of	9L921	D	66.93	BX	A,N,F,M

1632	24 traps, 5" X 3.5" X 2,"					
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 flytrap, 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	191.0	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, Plastic, Tamper Proof, spring loaded, self closing, extends to allow rodent access to the bait (Keep-Rat Bait station)	1MHL2	J	79.50	BX	A,F,M,N
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-	Spreader, Loose Material, Towed, Rotating	00229	V	685.00	EA	F

0043	Disc, Part No 111, 56' maximum spread path width. FLZ					
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-	Insect Monitoring Kit, P/N 3303-25, 25	02RG7	J	50.77	BX	A,N,F

5110	traps per box.					
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-	Mineral Oil, Light, NF (ULV Dilu-	61757	L	-----	PT	A,F,N,M

000-664-0441	ent/Cleaning Agent)					
6505-00-240-6328	Mineral Oil, Light, NF (ULV Diluent/Cleaning Agent)	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	42.82	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	59590	J	22.66	EA	A,N,F,M

	sized containers, a plastic lid between two sections contains a vinyl funnel through which the emerging adult mosquitoes fly into the upper section.					
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
01-454-2341	Dipper, Entomological, white plastic 5" diameter with 3' wood handle, P/N 1132	59590	J	21.29	EA	A,N,F,M
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, Black Oxide coated, El Mar, Inc P/N 0621-BO	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 4 AA batteries, wt. 1.5 lbs.	0USV5	L	28.00	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 S13-07705A.	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-	Parka, Insect Repellent. Issued with a two oz tube of 75% DEET Repellent, NSN	81349	D	16.60	EA	N,F,M

0847	6840-00-753-4963, Size - Medium, Wt 1 lb. S9T					
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 3740-	Item (Alternate Trade Name)	Cage Code	AAC*	Price	U/I	Users+
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

B. 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.

C. 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 sent 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.