

Integrated Pest Management Plan for General Pest Control

**Darien B.O.E.
Darien, CT 06820
(203) 656-7400**

Pests to be Controlled

Pest control services which can be performed in the General Pest Control category includes cockroaches, ants (other than carpenter ants), winged termite swarmers emerging indoors, incidental/occasional invaders including bees & wasps entering from out of doors, and flies and other arthropod pests. Populations of these pests that are located immediately outside of a specified building and pose a possible infestation problem to that building are included.

General

Darien Schools will be inspected by AAVON Pest Control, Inc. (PCO) for the purpose of identifying potential problem areas that may be contributing to pest infestation within the facility, making recommendations for corrective measures that should be implemented and developing a comprehensive integrated pest management (IPM) plan. The IPM plan will utilize all methods of pest control, which may include structural maintenance, sanitation, monitoring for pest populations, mechanical and biological control, and the judicious use of pesticides. These methods will help to eliminate food, moisture and harborage for pests, making their survival more difficult. Pesticides will not be applied on a routine basis; however, they may be used as a tool to maintain pest populations at or below an acceptable level. The selection of pesticides that may be used will be based on a pre-determined hierarchy, which will utilize least toxic products as first choice. Proper implementation of this program will reduce the volume, toxicity and frequency of application of pesticides, thereby reducing the risk of potential exposure of building occupants who may be sensitive to their use.

David Curtis, S-1845, owner of AAVON Pest Control, Inc. B0036 (PCO) and Mike Lynch (COR) shall discuss areas that have been problematic or sensitive. Areas that are sensitive to pesticide use will also be discussed. Once these areas have been identified, the PCO and COR will discuss various pest control options and determine the speed of control necessary as well as threshold/action levels based on pest population and species.

Upon Pest Activity Noted

The Darien BOE or their designated representative will contact AAVON Pest Control, Inc. with the sighting information of the pest activity noted by a school employee(s). APC will inspect the area(s) of activity and will start a treatment process by advising the Darien BOE of any corrective measures it can perform, correct or install mechanically to remove access of the pest entering into the building. If these corrective measures cannot eliminate the problem, APC will

proceed with the proper treatment steps designated by the State of Connecticut DEEP to remediate the infestation.

Recommendations

AAVON Pest Control will submit recommendations for corrective measures in writing to designated BOE representative prior to the application of any pesticides. BOE rep is responsible for scheduling and coordinating structural maintenance of the facility and will act on the recommendations as soon as possible. BOE rep will report in writing which recommendations will not be followed and state the reasons if no action is to be taken as required by RCSA Sec.22a-66l-1(c). Otherwise, all IPM methods that are recommended will be followed.

David Curtis S-1845, the owner of AAVON Pest Control, Inc., will supervise all pest control services treatment programs. The IPM program will begin effective immediately. Subsequent service calls will be performed once a month or as needed depending upon pest pressure. Service calls will be scheduled and will include a visual inspection of potential problem areas and monitoring devices, application of pesticides where pest populations exceed their threshold levels. Records will be completed at the conclusion of each service call and will include written recommendations of corrective measures that need to be made by building maintenance personnel. A member of the custodial staff should be available to allow the pest control technician to access areas that may be locked.

Records

The pest control technician will indicate pest problem areas and provide written recommendations for structural, sanitary or procedural modifications on the Pest Inspection Report forms or substantially similar substitute. These forms will be kept in a file that will be maintained in the school office.

The pest control technician at the beginning of each service call will review Pest sighting report logs provided by AAVON Pest Control, Inc. The log will be maintained in the school office and will serve as a tool to facilitate communication between all personnel and the pest control technician. All pest sightings should be reported in the logs and should include specific information as to the location and type of pest, if known. Whenever possible, a sample of the insect will be provided to the pest control technician for identification purposes.

Monitoring

Service monitoring inspections will be limited to kitchen, kitchen storage, dish room, laundry room, cafeteria, employee lounge, custodial closets, locker rooms, laundry room, main office, hallways on ground and main floors, boiler room and the perimeter of the building unless pest activity or sightings in other areas have been reported in the pest sighting log.

Glueboards will be used for the duration of the IPM program to monitor pest populations and activity. They will be placed in areas where pest activity has been identified or is likely to occur. The dates of installation and servicing will be indicated on each monitor and the pest control technician will create diagrams or maps indicating their placement. The diagrams will be maintained as part of the pest control company's service record. Visual inspections of the glueboards will help the pest control technician to identify specific areas of infestation, if any, and assess the need for further action.

Pests

Cockroaches

Due to the fact that German cockroaches can reproduce rapidly, have been attributed to causing asthma and are known to translocate bacteria and viruses to food and preparation surfaces, their control will be a high priority. Other cockroach species are also of concern and measures will be taken to reduce or eliminate their populations whenever possible.

Close and careful attention should be given to eliminating conditions that are conducive to pest infestation. All pests need food, moisture and harborage. By eliminating one or more of these, it is more difficult for pests to survive. Also, pests reproduce at a slower rate when conditions are not conducive for their survival.

Food, paper goods and other supplies should be visually inspected upon arrival for cockroach infestation. Cockroaches will often hide in the corrugation of cardboard boxes. Supplies should be unpacked and stored properly and their shipping cartons disposed of as soon as possible.

Sanitation and elimination of moisture sources is also an important factor in cockroach control. Areas where food is prepared and consumed should be swept or vacuumed daily. Particular attention should be given to areas underneath counters and appliances. Food residue should be washed off of any preparation surface or equipment. Grease residues should also be eliminated as much as possible as it is a food source and will render some pesticides ineffective. Bulk foods should be stored in tightly covered bins. Moisture sources should be eliminated as much as possible by repairing faucets, drying sinks and counters at the end of each day.

****Note:** Pesticide baits could be used for monitoring purposes in situations where no cockroaches have been observed but the likelihood of infestation is greater (i.e.; institutional kitchen). The amount of bait consumed will indicate pest activity and will be the first step to control the problem.

Ants

Ants and many other pests can be excluded by caulking and patching cracks and voids in the walls, floors and sidewalks. Branches of trees and shrubs should be

trimmed away from the building to eliminate pest access. Organic matter, wood debris and other trash should be raked away from the foundation wherever possible. If ants are seen within the building, they will usually be foraging for food. The pest control technician will properly identify the pest ant species and any conditions that may be conducive to infestation. Proper identification will enable the pest control technician to determine appropriate measures of control for the particular ant species. Also, the pest control technician will attempt to locate nest location(s). Written recommendations will be made to correct any conducive pest conditions. Depending upon the ant species and where they are, bait stations such as Advion Ant Gel or 388B Advance Ant Gel Bait may be utilized within the building.

Ants outside of the building may be treated using baits such as Advance Granular Bait or Advion Ant Gel however; steps should be taken to eliminate conducive conditions as much as possible.

A crack & crevice application of a Delta Dust or Apicide Dust may be made in walls or other voids only if it has been determined that ants are nesting in a particular location.

Occasional Invaders & Bees/Wasps

Pesticide applications will not be performed to control occasional invaders unless they present an immediate health hazard or are unduly disruptive. The pest control technician will identify the pest and make recommendations to correct conditions that are conducive to infestation. Pests that are occasional invaders may include drain flies, fungus gnats, earwigs, spiders, sowbugs and centipedes. Improving sanitation and removing organic debris, which will reduce their food supply, can usually control them. Elimination of moisture sources is also helpful.

Pests that may pose an immediate health threat such as bees and wasps will be treated using Eco Exempt Jet or Eco PCO ACU spray product or Delta dust may be used where nests are located underground or in a wall void.

Complaints of unseen biting insects will be investigated, however, no pesticide will be applied unless the pest has been identified and no other pest control options are available.

Stored Product Pests

Stored product pests can usually be controlled with proper sanitation, storage and inventory control. Products should be stored in clean airtight containers. The products should be checked frequently for signs of infestation and disposed of if infested.

A crack and crevice application of Eco Via EC or Delta dust may be applied, if it is determined by the PCO and COR that residual control would be beneficial.

Pesticide Plan

Pesticides may be applied if pest populations exceed an acceptable level. Priority is given to those pesticides having the lowest toxicity, taking into consideration the method and frequency of application and the risk of exposure to building occupants. Pesticides selected for possible use are as follows;

First Choice (*Products having the lowest toxicity and/or least risk of exposure based on the formulation, method and frequency of application.*)

Flushing Agents

- a) CB-80

Baits

- a) Vendetta Plus Cockroach Gel Bait
- b) Maxforce Roach Killer Bait Gel
- c) Advion Ant Gel
- d) 388B Advance Ant Gel Bait

Dusts

- a) Eco Exempt D
- b) Delta Dust
- c) Dry Flowable Roach Bait (Avert)
- d) Drione

Crack & Crevice Sprays

- a) Eco Via EC
- b) Zenprox EC
- c) Nyguard IGR

First Choice (*Continued*)

Rodenticide (*Outdoor use only*)

- a) already noted in Rodent IPM

Second Choice (*Products having moderate toxicity and/or risk of exposure based on the formulation, method and frequency of application.*)

Crack & Crevice Sprays

- a) Above listed low to high toxicity

Third Choice (*Products having moderate to high toxicity and/or risk of exposure*)

based on the formulation, method and frequency of application.)

Use of any third choice pesticide product requires written approval of COR prior to application

Spot Treatments - (Surface treatment to an area no larger than 2 square feet)

a) Same as above, listed low to high toxicity

General Sprays or Fogs

a) Same as above, listed low to high toxicity

Rodenticides (Interior Use)

a) Already noted

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