



Clarendon CISD

Integrated Pest Management Program (IPM)

Manual Updated & Board Acknowledgement 11/10/11

See Official Board Policy Code CLB (LEGAL) & (LOCAL)

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POLICY STATEMENT & IPM PROGRAM OVERVIEW

Structural and landscape pests can pose a significant problem to people, property and the environment. Pesticides and herbicides can also pose risks to people, property, and the environment. It is therefore the Policy of Clarendon CISD to incorporate Integrated Pest Management (IPM) procedures for control of structural and landscape pests.

Pests are populations of living organisms (animals, plants, microorganisms) that can interfere with the day-to-day operations of the Clarendon CISD campuses. Strategies for managing pest populations will be influenced by the pest species and whether that species poses a threat to the students, staff, property, and/ or the environment. Pest management plans will be developed for the Clarendon CISD and will include pest management measures.

Pests will be managed to reduce any potential human health hazards to protect against a significant threat to public safety, to prevent damage to Clarendon CISD structure or property, and to enhance the quality of life for students and staff.

The choice of using chemical pesticides will be based on a review of all other known options and a determination that these options are not acceptable or feasible. Cost or staffing consideration alone will not be adequate justification for use of chemical control agents. Selected non-chemical pest management methods will be implemented, whenever possible to provide the desired control. It is the policy of Clarendon CISD to utilize IPM principles to manage pest populations adequately. The full range of alternatives, including no action will be considered. When it is determined that a pesticide or herbicide must be used in order to meet the pest management goals, the least hazardous material will be chosen.

The Superintendent shall designate the IPM coordinators(s), who shall be registered with the Texas Department of Agriculture. The IPM coordinator(s) shall receive training according to the law.

The IPM Coordinator, administrators, and auxiliary staff will be educated about the potential school pest problems and the IPM policies and procedures to be used to achieve the desired pest management objectives.

The IPM Coordinator will maintain records of pesticide and herbicide use and will notify the Clarendon CISD staff and students of upcoming pesticide treatments. Notices will be posted in designated areas at each site.

Pesticide purchases will be limited to the amount authorized for use in one year. Pesticide will be stored and disposed in accordance with the label directions and state regulations. Pesticides will be stored in an appropriate secure site not accessible to students or unauthorized personnel.

Pesticide applicators will be educated and trained in the principles and practices of integrated pest management and use of pesticides. They will follow regulations and label precautions. Applicators will be certified and comply with the Clarendon CISD policy. No other employee, person or entity shall be permitted to apply a pesticide or herbicide at a school facility without the prior approval of the IPM coordinator(s) and other than in the manner prescribed by law and the District's Integrated Pest Management Program.

The Board Policy Statement pertaining to IPM can be found in CLB (LOCAL) – adopted 10/22/09.

IPM MANAGEMENT

The Superintendent shall designate the IPM coordinators(s), who shall be registered with the Texas Department of Agriculture. The IPM Coordinator will be trained through a Texas Structural Pest Control Service approved IPM Coordinator training course. The IPM Coordinator will maintain and preserve all required records and documentation consistent with state law. The IPM Coordinator is the person who observes and evaluates the site or directs others to do so and decides what needs to be done to achieve the site management objectives.

Clarendon CISD will contract with a commercial pest control company(s) to meet the needs of the facility. The contractors will make detailed site-specific recommendations for structural and procedural modifications to achieve pest suppression. The contractor shall provide evidence of sufficient expertise in pest control and IPM principles and practices.

The Clarendon CISD IPM program includes educating all that is involved in the program. This education should include the administrators, teachers and auxiliary staff.

PEST MANAGEMENT OBJECTIVES

- Reduce any potential human health hazards and protect against a significant threat to the safety of students, staff or the public
- Manage pests that may occur on campus to prevent interference with the learning environment of the students
- Preserve the integrity of the buildings and structures
- Provide the safest playing or athletic surfaces possible
- Prevent pest from spreading into and adversely affecting the community or to plant and animal populations beyond the site
- Enhance the quality of life for students, staff, and the public

IPM CYCLE

Integrated pest management (IPM) is Texas Law. Certain criteria must be met before applications can occur.

- ***INSPECTION*** – Inspection of all facilities and grounds will be conducted monthly basis by district personnel or by pest management contractors. A detailed building inspection of each campus will be conducted annually to determine if the building has any conducive conditions for pests and to develop a list of structural and landscape improvements. Ongoing monitoring is to be conducted by the IPM Coordinator, administrators, teachers, and auxiliary staff.
- ***IDENTIFICATION*** – Accurate identification of pest is a vital part of ensuring that proper control methods will be used. Local resources will be used to help in identification.
- ***ACTION*** – Clarendon CISD will use an integrated approach to combat the pest problem. The IPM Coordinator, administrators, teachers, & auxiliary staff will work together to implement the IPM Plan. Efforts will be made to determine what measures can be taken to eliminate pest without a chemical treatment. Habitat modifications, exclusions, repair, and sanitation efforts will be the first actions considered. Action thresholds will reflect how many pests can be tolerated for a specific site. The presence of some pests does not in itself necessarily require action.
- ***EVALUATION*** – If it is determined that further action is needed then there will be a follow up with an appropriate pesticide approved by the IPM Coordinator.

IPM PROGRAM GUIDELINES

THRESHOLDS:

A threshold is the boundary between a tolerable and an intolerable level of a pest. The higher the threshold, the more pests can be tolerated. Some level of pest presence, except in the cases of a few serious health or quarantined pests, can usually be tolerated. Thresholds can be multi-leveled and used to trigger different types of management actions, including actions other than pesticides.

Clarendon CISD has developed action plans and threshold measures for some of the more common pest experience by the District over the past several years. The document is maintained as a separate document and can be found in the following places; Superintendent Office, IPM Coordinators Office, and District Website under IPM Program.

Indoor IPM Strategies (How to Prevent Pest):

Typical Pests: Mice, Rats, Cockroaches, Ants, Flies, Spiders, Birds, Bats, Silverfish, Snakes, Termites, and Micro Organisms

Entryways: Doorways, overhead doors, windows, openings around pipes, electrical fixtures and duct(s).

- Keep exterior doors shut when not in use
- Place weather stripping around doors
- Caulk and seal openings in walls
- Keep vegetation at least one foot from the structure

Classrooms/Offices: Auditorium, Gymnasiums, Hallways, Offices and Classrooms

- Limit food and beverage consumption only in designated areas
- Permit food and beverages in classrooms on an intermittent basis, prohibit food or beverages to be stored or left unattended.
- Keep indoor plants healthy and to a minimum. Do not over use water.
- Keep areas dry as possible by removing standing water and water damaged and wet materials
- In the all class rooms store animal foods in sealed containers and regularly clean cages
- In all areas remove dust and debris
- Routinely clean lockers and desks
- Frequently vacuum carpeted areas.
- Change liners in trash receptacles daily and wash and sanitize the receptacles periodically or as needed.

Food Preparation and Serving Areas: Dinning hall, kitchen, teacher's lounge, vending machine areas, and food storage rooms.

- Store food in containers that are inaccessible to pest
- Store waste in containers that are inaccessible to pests
- Remove all waste at the end of each day
- Place screens on vents, windows and floor drains.
- Remove all food debris including crumbs
- Fix dripping faucets and other water leaks
- Promptly clean food preparation equipment after use
- Caulk or paint to seal cracks and crevices
- Frequently vacuum carpeted areas.
- Capture rodents using mechanical controls or glue traps

Rooms with Extensive Plumbing: Bathrooms, rooms with sink, locker rooms, and crew spaces.

- Promptly repair leaks and correct other plumbing problems
- Routinely clean floor drains, strainers and grates
- Keep areas dry
- Store paper products or cardboard boxes away from moist areas and direct contact with the floors

Maintenance Areas: Mechanical rooms, janitorial rooms, etc.

- Allow eating only in designated eating rooms
- Clean trash cans regularly
- Use plastic liners in trashcans
- Keep areas clean and dry as possible
- Store paper products or cardboard boxes away from moist areas and direct contact with the floors and walls.

Outdoor IPM Strategies (How to Prevent Pest):

Typical Pest: Mice and Rats; turf pests such as board-leaf and grassy weeds; insects such as ants, beetle grubs, sod webworms, and turf disease; ornamental pest such as plant diseases, insects such as trips, aphids, Japanese beetles, and bagworms.

Parking Lots, Loading Docks, Dumpsters:

- Regularly clean trash containers and gutters
- Regularly remove all waste and paper debris
- Secure lids on trash containers
- Repair cracks in pavement and sidewalks
- Provide adequate drainage

Turf Lawns, Athletic Fields & Playgrounds:

- Select turf types best adapted for the area
- Adjust mowing height to grass type
- Vary mowing patterns to reduce soil compaction
- Do not over or under water turf water in the "A.M."
- Provide good drainage
- Periodically inspect turf for evidence of pest or diseases
- Have soil analyzed to determine fertilizer requirements
- Time fertilizer applications on an appropriate time
- Aerate soil periodically

Ornamental Shrubs and Trees:

- Apply fertilizer to annual and perennials during active growing season
- Apply fertilizer to trees and shrubs early in the growth season or during the dormant season
- Prune branches to improve plants and prevent access by pest to structures
- Periodically inspect plants for evidence of pest or disease
- Remove susceptible plants if a plant disease recurs and requires too many resources to keep healthy
- Select replacement plants from among the disease resistant types

Weeds:

- Apply Round-Up to visible weeds on sidewalks, parking lots, fences, and curbs.
- Apply a pre-emergent herbicide to sidewalks, parking lots, fences and curbs.

Pesticide/Herbicide Applications:

The IPM coordinator must approve applications

- An appropriate application uses the least toxic and most effective pesticide or herbicide
- Applications should be applied by qualified applicators
- ***Applications will be applied when occupant are not expected to be present for at least 12 hours. A sign will be posted 48 hours before the application.***
- Applications will be applied according to label directions
- Proper protective clothing or equipment will be used when applying chemicals.
- Areas will be properly vented after application

Storing Pesticides:

- Pesticide and herbicides will be stored off site or in buildings that are locked and inaccessible to all undesigned personnel. The storage area will have adequate ventilation.
- Pesticide and herbicides will be stored in separate locations.
- Storage facilities will be such that the risk of flooding and contaminating the environment will be minimal.
- The storage area will be free of ignition sources
- All pesticide and herbicides will be stored in their original containers with secure lids.
- If pesticide and herbicides are stored in occupied buildings precautions will be taken to ensure that the air in the storage space has no chance of mixing with the air in the central ventilation system. Containers will be inspected routinely for leaks.

Posting and Notification:

State law requires schools to notify students and staff of impending pesticide applications 48 hours in advance. Notices will be posted in the areas to be treated. (Please consult state regulations for current posting notifications.)

Evaluation and Recordkeeping:

- Record keeping allows the IPM Coordinator to evaluate the IPM Program
- A pest management log will be maintained for the district and kept in the office of the IPM Coordinator. It will include pesticide use records that meet the requirements of the Structural Pest Control Board.
- Copies of the Integrated Pest Management Plan will be kept in the Director Head of School Office and the IPM Coordinator's Office.
- A copy of the EPA-registered label and the current MSDS for each pesticide and herbicide product used on WA property.
- The Following forms will be filled in the IPM Coordinator's Office.
- Approval for Yellow and Red List Products
- Emergency Treatment Request
- Registration Notification Documentation
- Pest Management Log
- Incidental Use Letters
- Documentation of Training
- An IPM facility inspection document will be completed on each school campus at least every other year or more frequently based on campus age and pest problems.
- Request/Complaints relating to pest problems
- Contracts and records dealing with professional pest control services

IPM PLANS FOR COMMON PEST PROBLEMS

Clarendon CISD has developed action plans and threshold measures for some of the more common pest experience by the District over the past several years. The action plans and threshold document is maintained as a separate document and can be found in the following places; Superintendent Office, IPM Coordinators Office, and District Website under IPM Program.