ED/PHED COMM #1 December 7, 2009 Briefing

# **MEMORANDUM**

December 3, 2009

TO:	Education Committee Planning, Housing, and Economic Development Committee
FROM:	Essie McGuire, Legislative Analyst

SUBJECT: Briefing – Community Garden Initiatives

Today the Education and Planning, Housing, and Economic Development (PHED) Committees are scheduled to receive a briefing on community gardens initiatives in the Montgomery County Department of Parks and the Montgomery County Public Schools (MCPS). Representatives from both Parks and MCPS will attend to brief the committees. In addition, individuals from several community gardening groups, including the Audubon Naturalist Society and the State Master Gardener program, are expected to attend the meeting.

The Parks Department has initiated an effort to allow park property to be used for community gardens. In the schools, community gardens on school property have been prohibited from including vegetables or other food. There has been community interest in whether school gardens could be expanded, and specifically how to increase student access to edible gardening and fresh produce. The purpose of today's briefing is to understand the current initiatives and procedures regarding community gardens in both the parks and the schools, and to discuss current and potential collaboration between the two agencies to increase student access to outdoor education and food gardening specifically.

#### I. Community Gardens in Parks

The Department of Parks initiated a Parks Community Gardens Program in FY09, with the first garden open in May 2009. Parks staff provided the summary below and will discuss the efforts more fully in the presentation for the Committee.

"Successfully Launched the Community Gardening Program. In FY09, the Department initiated a Parks Community Garden Program. The first community

garden, located at Sligo Overlook Park and consisting of 33 plots, opened on May 16, 2009, and was quickly sold out. A grant of \$10,500 was received from Takoma Park to install a deer fence, arbors and gates around the garden perimeter. A storage shed for the garden was built by scouts and parents using donated materials from local hardware stores. Demand for additional garden lots throughout the county is high, and new garden sites are expected to open in the spring.

**Expand the Community Gardens Program.** Additional sites are being considered for the spring of 2010. These include a large area off of Briggs Chaney Road in Spencerville, Bradley Local Park in Bethesda, and Norwood Park in Chevy Chase. Because of limited open space on park property in the down county area, opportunities for community gardens on non-park property are being considered as well. These include a privately owned lot in downtown Silver Spring. Park staff is actively searching for appropriate community garden sites in the northern part of the county as well. Public meetings for all future sites will be held to gather input from the neighborhood and interested parties. The program's goal is to have 250 plots available for gardening in the spring of 2010. In February 2010, the Parks and the University of Maryland are cosponsoring a Community Garden Round Table at Brookside Gardens for all regional community garden coordinators.

Current sites: Sligo Mill Overlook (full 33 plots) Briggs Chaney – new for 2010 (120 plots)"

The application and guidelines for the Parks community gardens plots are on circles 1-3. Plots are available for a fee on a first-come, first served basis. Guidelines include keeping plots organic, no invasive plants, and no commercial sales of produce.

### **II.** Community Gardens in Schools

MCPS has established guidelines for community gardens on school property as part of its outdoor education program (circles 18-23). The guidelines include four approved garden templates with plant lists; each is an ornamental garden template, such as a habitat or butterfly garden. Food growing is expressly prohibited.

**Integrated Pest Management:** The primary concerns regarding food gardens for MCPS relate to the pest management requirements for the school system, which are based on State law. MCPS provided the following summary of the State requirements:

"Maryland regulations (COMAR 15.05.02) mandate both Integrated Pest Management (IPM) and a requirement for notification of pesticide use in public schools. Under these regulations, nonchemical solutions must be evaluated before pesticide application can occur. The regulations require that the county board of education develop and implement an integrated pest management system that is approved by the Maryland Department of Agriculture (MDA). The regulations also require that a written integrated pest management plan be submitted to MDA for approval. This was done by MCPS at the inception of the IPM program, and is updated as needed. A copy of this plan is included in the IPM binder located in the administrative offices of each school.

One minimum required element of the plan is that MCPS must identify pest management strategies, including sanitation. Due to the unique operational features of a school, edible gardens do not promote sanitation; and similar problems are almost always encountered with compost piles at schools. In the newest version of the IPM Plan, we have included a prohibition on edible gardens and compost piles."

Board of Education Regulation ECF-RB (attached on circles 4-9) establishes "procedures to implement an integrated pest management program in accordance with the *Annotated Code of Maryland, Article – Agriculture*". These regulations largely govern the notice requirements associated with any application of a pesticide on school grounds. The Integrated Pest Management (IPM) program employed by the schools is described as "a proactive approach to insect and rodent control in school facilities and on school grounds" (circle 11).

Council staff understands from MCPS that the system's concerns regarding food growing include ensuring compliance with these requirements, both with what substances are allowed and the notification requirements if any are used. MCPS is also concerned to minimize students' exposure to potential allergens; the State notification requirements include the ability for parents to identify relevant allergens (circle 16).

In addition, a primary concern is that food can serve as an attraction to pests. A first step in the IPM program requires that before other actions are taken to eliminate rodents or other pests any available food sources must be removed.

**Curriculum:** The MCPS outdoor education and science curriculum includes material related to gardens and ecosystems. Many high schools have greenhouses, where botany and horticulture programs are conducted. MCPS staff reports that while the recent focus of these programs has largely been around ecosystems, native plants, and stormwater management, the curriculum could expand to include any facet of plant growth. Classes at many grade levels also plant in pots or other indoor containers.

## III. Discussion Issues

The Committees may want to discuss the areas outlined below of current and potential collaboration between the agencies to achieve the two goals of increasing outdoor education opportunities and students' access to gardens and fresh produce.

**1. Current Areas of Collaboration:** Council staff understands that MCPS and Parks are working together to increase students' access to outdoor education, particularly in sites where schools are close to parks. The panel representatives will be able to discuss these efforts in detail for the Committees.

**2. Potential Areas for Expansion:** Council staff suggests that the following two areas may be useful starting points for potential expansion of student community gardens and collaboration between Parks and MCPS:

- *Indoor or container gardens:* MCPS has indicated that many schools and classrooms have indoor greenhouse, container, or potted planting opportunities. These venues may be suited to expanded use of food gardening in schools.
- Schools next to parks: MCPS provided the list on circle 24 of school facilities that border parks. This list includes 30 elementary schools and four middle schools. Council staff suggests that pilot efforts near schools in conjunction with school leadership and the community may help alleviate MCPS' concerns about compliance with its environmental regulations while affording students easy access to a site.

Council staff also notes that MCPS is developing an MOU with the Department of Environmental Protection (DEP) around rain gardens and other plantings that relate to stormwater management requirements.

**3.** Other jurisdictions: Parks staff provided several examples of other joint school and community gardens, including efforts in Washington and Kent counties in Maryland. A brief summary of a garden in a Baltimore Charter school is attached on circles 25-26; it appears to operate in conjunction with a food and nutrition curriculum in the school. Some Fairfax County public schools also operate vegetable gardens, most notably the alternative high school academies. It may be useful to further examine how these schools, particularly those in Maryland, work with school operations and environmental regulations.

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# Community Garden Program Application

Applicant Name			
Address:	City:	State:	Zip:
Home #:	Cell/work #:		
Email Address:			
Location: Sligo Mill Overlook: 200 Sq Ft (\$30)	400 Sq Ft	(\$40)	
Briggs Chaney: 500 Sq Ft (\$60)			
Plot numbers if you are a returning gardener: _			

# I hereby agree to:

- I will abide by all the attached Community Garden Guidelines. I understand failure to do so will result in forfeiting the plot(s) and a loss of fees.
- I will stay informed of all changes to policy and procedures by joining the yahoo group provided or by checking the garden's kiosk monthly for updates.
- I grant permission to Parks to photo document the plot(s) and the gardener(s).
- I agree to hold Parks and their agents and employees harmless of any and all liability for bodily harm, damage, or loss in any kind resulting from or connected to the community garden.

Signature	Date

Garden plot assignments will be assigned with your confirmation letter. In the event that there are not plots available your name will be added to a waiting list. Plots sizes are dependent on location.

Please return this application to the M-NCPPC Community Gardens Program 8000 Meadowbrook Lane/ Chevy Chase MD 20815 / 301.650.2635 / Fax 301.589.1590

Official u Action:	se only:			
notion.	Approved	Denied	Date	By



# Community Garden Guidelines for 2010

- Individual garden plots are to be used for growing vegetables and flowers for family use and not for commercial sales.
- Montgomery County Parks will accept applications on a first-come, first-serve basis. When
  assigning locations, Montgomery County Parks will give priority to returning gardeners who
  return their renewals by January 30th. Returning gardeners are allowed to retain their
  previous season's plot, when possible, or have top priority in requesting a new plot, with an
  early renewal. Applications for new gardeners will be accepted beginning January 1<sup>st</sup> and
  will be assigned plots after February 20<sup>th.</sup>
- Plots are non-transferable. All plots will be surrendered back to Parks.
- The community gardens are an **organic space**. Please check with your local garden store, the Master Gardeners website, or neighboring gardeners for organic means of dealing with gardening problems.
- Gardeners are responsible for cultivating, weeding, and watering their own plots and maintaining the surrounding paths. If you will be out of town or on vacation please arrange to have a fellow gardener watch over your space.
- Plots must be cleared of all <u>summer debris by November 15<sup>th</sup></u>.
- All gardens are subject to occasional inspections. If the garden is not in compliance with the guidelines, an email notice will be sent. Two weeks later another inspection will be performed. If the garden is still not in compliance, the plot will be tilled in and all fees will be forfeited.
- Gardeners should visit and maintain their plots once a week or arrange another gardener to oversee their plot when out of town or on vacation.
- Kids are a wonderful addition to the garden and we encourage them. However supervision is important at all times.
- When watering, please use a Y gate in order to be able to have two hoses running at once. If other gardeners are waiting please limit watering to 15 minutes. The gardener MUST be present when watering. Do not leave the water unattended. Sprinklers are not allowed.
- Crops and structures over six feet are not allowed due to the shadow effect they will cast on neighbor's plots.
- Biodegradable mulch is encouraged. Examples include: aged compost, leaves, straw and hay. Carpet mulch, wood chips, stone and sod are not allowed. Black or red plastic is allowed but must be removed by end of season.
- Keep plot boundaries weeded and trash free. This includes the mulched path next to your plot.
- No permanent structures are allowed. All structures on M-NCPPC land must have written approval of M-NCPPC.



- No pets are allowed in the gardening space.
- All plantings and support systems must be less than six feet.
- No invasive plants. Plants like mint should be grown in containers. A list of invasive plants can be found at: <u>http://www.mdinvasivesp.org/</u>
- No littering. Montgomery County Parks community gardens are a carry in and carry out facility – trash free. The compost bins are for plant waste only. No dumping or kitchen garbage allowed.
- No disrespectful behavior such as alcohol consumption, loud music, etc.
- No unauthorized expansion of your plot or encroaching on other plots.
- No taking food from plots that is not yours.
- The gardens are designated a non-smoking area.

These guidelines are subject to review and change. You are responsible for checking your yahoo group account <u>MCPcommunitygarden@yahoogroups.com</u>, or the garden bulletin board monthly for updated information.

Fees and guidelines will be reviewed annually.

REGULATION MONTGOMERY COUNTY PUBLIC SCHOOLS

Related Entries: Responsible Office:

Chief Operating Officer Facilities Management

# **Pesticides Use in Schools**

### I. PURPOSE

To establish procedures to implement an integrated pest management program in accordance with the Annotated Code of Maryland, Article - Agriculture

### II. DEFINITIONS

- A. *Integrated Pest Management* is the use of combined pest control alternatives, most effective to prevent or reduce to acceptable levels pests and damage caused by pests.
- B. *Pesticide* as defined in the law, means any substance or mixture of substances intended for:
  - 1. Preventing, destroying, repelling or mitigating a pest
  - 2. Use as plant regulator, defoliant, or dessicant
  - 3. Use as a spray such as a wetting agent or adhesive

Pesticide does not include:

- 1. An antimicrobial agent, such as a disinfectant, sanitizer or deodorizer, used for cleaning purposes
- 2. A bait station
- C. *Space spraying* means application of a pesticide by discharge into the air throughout an area. It does not include crack and crevice treatment.

### III. PROCEDURES

A. Contact Person

The Integrated Pest Management Supervisor in the Division of Maintenance will be the contact person and will manage all information on pest control efforts in the school system, including material safety data sheets and product label of each pesticide or bait station that may be used in schools, or on school grounds and site-specific information on pest control activities at each school.

- B. Notification by Schools
  - 1. At the beginning of each school year, schools will include notice of the school's integrated pest management system in information to parents. The notice will include the following information:
    - a) A statement that explains the school's integrated pest management system and a list of any pesticides or bait station that may be used in the school building or on school grounds as part of the integrated pest management system
    - b) A statement that:
      - (1) The contact person maintains the product label and material safety data sheet of each pesticide or bait station that may be used by the certified applicator in buildings and on school grounds
      - (2) The label and material safety data sheet is available for review by a parent, guardian, staff member, or student attending the school
      - (3) The contact person is available to parents, guardians, and staff members for information and comment
    - c) The name, address, and telephone number of the contact person
    - d) Instructions for including a parent/guardian or staff member on a pesticide notification list (see Section C)
    - e) Information about the opportunity to provide public comments on the Integrated Pest Management practices of the school system during the a public comments segment of each regularly scheduled Board meeting
  - 2. After the start of each school year, written notification will be provided to each newly employed staff member in the orientation packets or to the

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parent/guardian of a student newly enrolled in the new student information packet.

- 3. Notification Lists
  - a. At the start of each school year, each middle and high school will develop a pesticide notification list containing each staff member and parent/guardian of a student attending the school who requests in writing prior notification of a pesticide application made in the school or on school grounds during the school year. Elementary schools are required to notify each parent or guardian of a student attending the school and each staff member regardless of whether they have requested prior notification.
  - b. The school will keep the pesticide notification list current and add names upon written request by a parent or guardian of a student attending the school or a staff member.
  - c. The school will make the pesticide notification list available upon request to representatives of the Department of Agriculture of the State of Maryland.
- C. Pesticide Applications
  - 1. Elementary Schools

At least 24 hours before the pesticide is applied in a school building, or on school grounds, the Integrated Pest Management Supervisor will provide the following information to the school principal who in turn will provide written notification to each parent/guardian and staff member:

- a) Common name of the pesticide
- b) Location of the application
- c) Planned date and time of the application
- d) The following language:

"The Office of Pesticide Programs of the United States Environmental Protection Agency has stated: Where possible, persons who potentially are more sensitive, such as pregnant women and infants (less than two years old), should avoid any unnecessary pesticide exposure."

2. Middle or High Schools

The Integrated Pest Management Supervisor will provide information to the school's principal, allowing sufficient time for the principal to notify students and staff. Principals will provide written notification to each parent, guardian, or staff member on the pesticide notification list, post notices at the site of the application and in conspicuous locations such as bulletin boards commonly seen by students and staff, and make an announcement on the school's public announcement system at least 24 hours before the application of a pesticide.

- 3. Space Spraying of Pesticides
  - a) Although space spraying of pesticides is not practiced in Montgomery County Public Schools, in the unlikely event that space spraying becomes necessary, the written notification to parents/guardians, staff, and students will be made at least one week before the space spraying.
  - b) The notice will be on a separate sheet of paper at least 8 1/2 inches by 11 inches in size and shall contain the following information:
    - (1) Common name of the pesticide
    - (2) Location of the space spraying
    - (3) Planned date and time of space spraying
    - (4) The following language:

"The Office of Pesticide Programs of the United States Environmental Protection Agency has stated: Where possible, persons who potentially are more sensitive such as pregnant women and infants (less than two years old) should avoid any unnecessary pesticide exposure."

(5) If the pesticide is not addressed in the notice sent at the beginning of the school year, a brief description of the pesticide to be applied

- (6) A brief description of potential adverse effects based upon the material safety data sheet of the pesticides to be applied
- (7) The name and telephone number of the Integrated Pest Management Supervisor who is the designated contact person
- 4. For application on school grounds, the notice of planned date and time of application may specify that weather conditions or other extenuating circumstances may cause the actual date of application to be postponed to a later date or dates.
- 5. If the actual date of application is more than 14 days later than the planned date provided in the notice, notice of the application required under this regulation shall be reissued.
- D. Emergency Pesticide Applications

A pesticide may be applied in a school building or on school grounds without prior notification only if an emergency pest situation exists.

In the case of an emergency pesticide application in an elementary school building or school grounds, within 24 hours after pesticide application or on the next school day, the school will provide to each parent, guardian, or staff member:

- 1. Common name of the pesticide
- 2. Location of the application
- 3. Date and time of the application
- 4. The following language:

"The Office of Pesticide Programs of the United States Environmental Protection Agency has stated: Where possible, persons who potentially are more sensitive, such as pregnant women and infants (less than two years old) should avoid any unnecessary pesticide exposure."

5. A brief description of potential adverse effects based upon the material safety data sheet of the pesticide applied

## E. Use of Bait Stations

Before a bait station is used in a school, the Integrated Pest Management Supervisor and/or his staff will place a notice or sign on the door of the room in which the bait station is placed indicating the date of placement, the name of the contact person for additional information including information on potential adverse effects. The notice or sign will remain posted until the bait station is removed.

# F. Public Comments

The Integrated Pest Management Supervisor or his designee will monitor and address public comments regarding the Integrated Pest Management program practices of MCPS.

Regulation History: New Regulation July 17, 2000.

## Department of Facilities Management MONTGOMERY COUNTY PUBLIC SCHOOLS Rockville, Maryland

July 22, 2009

### MEMORANDUM

To: Elementary School Principals

From: Roy L. Higgins, Director Division of Maintenance

Subject: Annual Integrated Pest Management (IPM) Notices for all Parents, Guardians, and Staff Members

In compliance with Maryland laws and regulations pertaining to Integrated Pest Management (IPM) and notification requirements for Maryland public schools, the following attachment must be sent home to all parents and guardians of each child attending the school and distributed to all staff members at the beginning of the school year. The notice can be carried home in the child's book bag and circulated to all staff members in the appropriate manner.

Pesticide applications within Montgomery County Public Schools (MCPS) are rare and made only as a last resort or in an emergency situation. If at any time a pesticide application becomes necessary, IPM staff will inform you of the situation and provide the necessary written notification documents that will need to be sent home.

Thank you for your attention to this matter. If you have questions or concerns, please contact Ms. Terry Baumanis, Shady Grove Maintenance Depot, at 301-670-8238.

RLH:dml

Attachment

Copy to: Ms. Baumanis Mr. Lavorgna Ms. Zarate

Approved:

Larry A. Bowers, Chief Operating Officer

# MONTGOMERY COUNTY PUBLIC SCHOOLS INTEGRATED PEST MANAGEMENT NOTICE

FOR ELEMENTARY SCHOOLS: Maryland Law requires that school staff and parents/guardians of all students be notified prior to planned pesticide applications in the school or on school grounds, or within twenty-four hours of an emergency application. Without exception, notices will be sent to all parents/guardians and circulated among school staff members.

FOR MIDDLE SCHOOLS, HIGH SCHOOLS, AND ADMINISTRATIVE CENTERS: Maryland Law requires that school-based staff and parents/guardians of middle or high school students and staff at administrative centers who wish to be notified prior to pesticide applications in the building or on the grounds must request that they be placed on the school's pesticide notification list. To do so, please fill out the enrollment form attached to this notice and return it to your school or administrative center.

FOR ALL: The Integrated Pest Management (IPM) program implemented the Montgomery County Public Schools is a proactive approach to insect and rodent control in school facilities and on school grounds. The IPM program includes frequent inspections of all school facilities to look for pests and conditions that favor pest invasions. As a first step in pest control, the IPM approach employs a number of preventive strategies and alternatives to pesticide application such as: employee education, source reduction, inspection, identification of potential problem areas, and improved sanitation. Each strategy is monitored and evaluated, and modifications are made if necessary. Pesticides will be used only as a last resort or in an emergency situation.

The following is a list of pesticides and bait stations, by product name and common name, which may be used in buildings or on grounds during the school year:

#### **Product Name**

4-the-birds II Avert cockroach crack and crevice bait 310 Avert dry flowable roach bait Avitrol Baygon bait Catalyst emulsified Cynoff insecticide Deltadust Demon WP Drax P.F. ant bait-all sizes Drione insecticide Dylox 6.2 grams Firstline termite bait stations Fluorguard ant bait station Gentrol IGR concentrate Gentrol point source roach control Golden malrin fly bait Liqua-tox II Maxforce ant bait stations

#### **Common Name**

Polybutene Abamectin Abamectin Aminopyridine Phenol methylcarbamate Propetamphos Cypermethrin Deltamethrin Cypermethrin Orthoboric acid Pyrethrins Trichlorfon Sulfluramid Sulfluramid Hydroprene Hydropene Methomyl thioacetimidate Sodium diphacinone Hydramethylon

Maxforce ant killer bait gel Maxforce FC ant bait stations Maxforce FC roach bait stations Maxforce granular ant bait Maxforce roach bait stations Maxforce roach killer bait gel Niban granular bait Premise 75 Premise foam insecticide PT 515 wasp freeze PT565 plus XLO Ouintox mouse seed Ratsorb Round up Pro Rozol tracking powder Shatter termite bait cartridge Suspend SC Talon G Talstar Professional multi-insecticide Termidor SC termiticide Terro PCO ant bait Timbor **ULD BP-100** Uncle Albert's ant bait Wasp freeze Weatherblok bait ZP tracking powder

Fipronil Fipronil Fipronil Hydramethylon Hydramethylnon Hydramethylnon Orthoboric acid Imidacloprid Imidacloprid D-trans allethrin Pyrethrins Cholecalciferol Camphoraceous Glyphosate Chlorophacinone Hexaflumuron Deltamethrin Brodifacoum Bifenthrin Fipronil Sodium borate Disodium octaborate tetrahydrate Pyrethrins Disodium octaborate tetrahydrate Phenothrin Brodifacoum Zinc phosphide

Ms. Terry Baumanis, Shady Grove Maintenance Depot, maintains copies of Material Safety Data Sheets (MSDS) and product labels for all pesticides and bait stations used in buildings or on grounds. If you would like to review this information, contact her at 301-670-8238.

Public comments regarding the Integrated Pest Management Program may be addressed at scheduled Board of Education meetings.

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### Department of Facilities Management MONTGOMERY COUNTY PUBLIC SCHOOLS Rockville, Maryland

July 22, 2009

#### MEMORANDUM

To: Principals of Secondary Schools and Administrative Centers

From: Roy L. Higgins, Director Division of Maintenance

Subject: Annual Integrated Pest Management (IPM) Notices for all Parents, Guardians, and Staff Members

In compliance with Maryland laws and regulations pertaining to Integrated Pest Management (IPM) and notification requirements for public schools, the attached notice must be sent home to parents/guardians of all enrolled students and circulated among all school-based staff members at the beginning of the school year.

Parents/guardians of middle and high school students and any staff members who wish to be notified prior to pesticide applications must fill out the pesticide notification enrollment form and return it to the school or center. Each school or center shall establish a registry of all parents, guardians, and staff members who have requested to be notified prior to a pesticide application. The list must be kept current and made available to representatives of the Maryland Department of Agriculture upon request.

Pesticide applications within Montgomery County Public Schools are rare and are made only as a last resort or in an emergency situation. If a pesticide application becomes necessary, IPM staff will inform you of the situation and provide the required advance notification.

Thank you for your attention to this matter. If you have questions or concerns, please contact Ms. Terry Baumanis, Shady Grove Maintenance Depot, at 301-670-8238.

RLH:dml

Attachments

Copy to: Ms. Baumanis Mr. Lavorgna Ms. Zarate

Approved:

Larry A. Bowers, Chief Operating Officer

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FOR ALL: The Integrated Pest Management (IPM) program employed by the Montgomery County Public Schools is a proactive approach to insect and rodent control in school facilities and on school grounds. The IPM program includes frequent inspections of all school facilities to look for pests and conditions that favor pest invasions. As a first step in pest control, the IPM approach employs a number of preventive strategies and alternatives to pesticide application such as: employee education, source reduction, identification of potential problem areas, and improved sanitation. Each approach is monitored and evaluated, and modifications are made if necessary. Pesticides will be used only as a last resort or in an emergency situation.

The following is a list of pesticides and bait stations, by product name and common name, which may be used in buildings or on grounds during the school year:

#### **Product Name**

4-the-birds II Avert cockroach bait stations Formula 1 Avert cockroach gel bait Formula 3 Avert dry flowable roach bait Avitrol Cynoff insecticide Deltadust Drione insecticide Dylox 6.2 grams Firstline termite bait stations Gentrol IGR concentrate Gentrol point source roach control Golden malrin fly bait Liqua-tox II Maxforce FC ant bait stations Maxforce FC roach bait stations Maxforce roach bait stations Maxforce roach killer bait gel

#### Common Name

Polybutene Abamectin Abamectin B1 Abamectin Aminopyridine Cypermethrin Deltamethrin **Pvrethrins** Trichlorfon Sulfluramid Hydroprene Hydropene Methomyl thioacetimidate Sodium diphacinone Fipronil Fipronil Hydramethylnon Hydramethylnon

Nihan granular hait	Orthoboric acid
Niban granular bait	
Premise 75	Imidacloprid
Premise foam insecticide	Imidacloprid
PT565 plus XLO	Pyrethrins
Quintox mouse seed	Cholecalciferol
Ratsorb	Camphoraceous
Round up Pro	Glyphosate
Rozol tracking powder	Chlorophacinone
Shatter termite bait cartridge	Hexaflumuron
Suspend SC	Deltamethrin
Talon G	Brodifacoum
Talstar Professional multi-insecticide	Bifenthrin
Termidor SC termiticide	Fipronil
Terro PCO ant bait	Sodium borate
Timbor	Disodium octaborate tetrahydrate
ULD BP-100	Pyrethrins
Uncle Albert's ant bait	Disodium octaborate tetrahydrate
Wasp freeze	Phenothrin
Weatherblok bait	Brodifacoum
ZP tracking powder	Zinc phosphide

Ms. Terry Baumanis, Shady Grove Maintenance Depot, maintains copies of Material Safety Data Sheets (MSDS) and product labels for all pesticides and bait stations used in buildings or on grounds. If you wish to review this information, contact her at 301-670-8238.

Public comments regarding the Integrated Pest Management Program may be addressed at scheduled Board of Education meetings.

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# MONTGOMERY COUNTY PUBLIC SCHOOLS PESTICIDE NOTIFICATION LIST ENROLLMENT FORM SECONDARY SCHOOLS AND ADMINISTRATIVE CENTERS School Year 2009-2010

SCHOOL OR CENT	ER:		
PARENT / GUARDI (Circle one of the above		ER INFORMATION	
Name:			
Address:	****		
City/State/Zip Code:			
Telephone: Day_		Evening	
STUDENT INFORM	IATION (IF APPLIC	CABLE);	
Name:			
Address:			
City/State/Zip Code:	·····		
ADDITIONAL INFO	DRMATION:		
Does the student or sta the use of a pesticide?	iff member have any k	nown medical conditions t	hat may be aggravated by
-	YES	NO	_
Is this information list	ed on your student's he	ealth card?	
	YES	NO	
reference. If you rea Program and/or notifie	quire additional infor cation procedures for	. The form will be kept mation regarding the Inte Montgomery County Public ance Depot, at 301-670-823	grated Pest Management ic Schools, please contact

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# **INTEGRATED PEST MANAGEMENT (IPM)**

**What is IPM?** The Integrated Pest Management (IPM) program uses regular inspections to prevent pest damage. IPM staff identify and correct conditions that encourage pests by reducing food, water and shelter for pests, and by eliminating unnecessary pesticide applications. This integrated approach results in the most economical long term solution with the least possible hazard to people, property and the environment. More information about the IPM program can be found in MCPS Regulation ECF-RB, *Pesticides Use in Schools*.

<u>Why can't I do it myself?</u> Only certain products are approved for use in and around MCPS facilities. By law, only registered pest control workers may apply pesticides or herbicides in a school building or on school grounds (COMAR 15.05.02.10). **Restrictions include products available for personal use at home.** All MCPS staff and school-related organizations (i.e., PTA, booster clubs, athletic departments) must comply with this law.

<u>What can I do?</u> If a pest or weed problem is identified, submit a work order in MAXIMO describing the problem so that IPM staff can respond. IPM staff may make recommendations such as improving sanitation, making structural repairs, or educating occupants.

<u>How is the law enforced?</u> If a pesticide/herbicide is found illegally stored or used on MCPS property, IPM staff will confiscate it and report it to the principal in writing. The Maryland Department of Agriculture (MDA) has the authority to issue a citation in the amount of \$2,500 for a first violation and \$5,000 for subsequent offenses.

<u>What if I have more questions?</u> If you have any additional questions or concerns regarding this program, please contact Terry Baumanis at 301-670-8238.

Examples of products that have been removed by IPM staff include:





Outdoor Education → Garden →Nine Easy Steps



# NINE EASY STEPS

Garden Team | Select Site | Choose Garden | Obtain Approval | Secure Funding | Purchase Supplies | Plant Garden | Use Your Garden! | Maintain Your Garden

#### (1) Assemble a Garden Team

- Invite teachers, administrators, building services staff, parents, students, and community partners to participate.
- As a group, complete the 'Garden Goals' worksheet below:

#### Garden Goals Worksheet (Word)

#### (2) Select a Site

#### Follow these MCPS guidelines:

- Select a site near a functioning, outdoor water source.
- Choose an easy-to-access and safe site for students.
- Avoid planting the garden near outside air intakes.
- The garden site cannot impact paving, sidewalks, or utilities.
- The garden site cannot impede fire drill exit routes.
- Consider future construction plans for the school site. Check with school principal.

#### For help with site selection:

Contact one of the agencies suggested in the **Partner Organizations**. They will help you choose the best site for your garden based on considerations such as water sources, sunlight, etc.

#### (3) Choose a Garden Template

The following 4 foot by 8 foot garden templates and plant lists have been approved by Montgomery County Public Schools:

- View Habitat Garden (Shade)Template | View Shopping List
- View Habitat Garden (Sun)Template | View Shopping List
- View Butterfly Garden (Sun) Template | View Shopping List
- View Senses Garden (Sun) Template | View Shopping List

#### (4) Obtain Approval

Complete and submit the following three items to the Director of MCPS Department of Facilities Management. The more complete your form and attachments are, the shorter your project evaluation time will be.



- Facility Project Request Form
- School site plan with proposed garden location marked (Your school principal can acquire the site plan.)
- Garden template and plant list (from this website)

**Important note about timeline:** <u>Submit your request to MCPS Department of Facilities Management between</u> <u>September 15 and March 31 for fastest turn around (about six weeks). Requests received after April 1 will not be</u> <u>reviewed until September 15 because summer projects take precedence over new requests.</u>

#### (5) Secure Funding

Use the budget below for planning purposes. Amend the budget to suit your particular garden project.

#### Sample Budget for Garden Template (Excel Spreadsheet)

Links to possible sources of funding:

- Chesapeake Bay Trust
- Maryland Department of Natural Resources
- Washington Post Grants in Education
- MCPS Educational Foundation, Inc.
- Captain Planet Foundation
- Lowe's Charitable and Educational Foundation (toolbox for education)
- National Gardening Association
- Toyota Tapestry Grants
- Keep Montgomery County Beautiful Montgomery County Department of Transportation
- Montgomery County Department of Environmental Protection

#### (6) Purchase Supplies

#### Plants

Pick your shopping list:

- Shopping List for Butterfly Garden
- Shopping List for Senses Garden
- Shopping List for Native Plant Habitat Garden (Shade)
- Shopping List for Native Plant Habitat Garden (Sun)

#### **Local Nurseries**

#### Pick your nursery:

Many local nurseries have experience with school gardens and native plants. Ask for a school discount! Search online for nurseries near you.

Call a local nursery <u>one month ahead</u> to order plants for the school garden. You can fax or e-mail pre-orders and arrange for pick up or delivery.

#### Soil and Mulch

Soil quality is essential to the success of your garden. By building raised garden beds, you can ensure good quality soil and compost. Each garden shopping list includes the amounts and types of soil and mulch you will need. Your local nursery can provide these materials.

#### **Raised Beds**

Construct raised beds using kits or a combination of raised bed corners and lumber. Search web sites or your local home improvement center for raised bed garden supplies. Some sample products can be found at:

- Gardening with Kids
- Natural yards
- Gardener's Supply Company

#### (7) Plant your Garden

**Tips for making Planting Day a Success** 



#### (8) Use your Garden

Gardens are an interdisciplinary learning experience. Use your garden as an outdoor classroom for observation and experimentation. Garden activities support MCPS and MSDE science and social studies grade level learning indicators for living things, life cycles, predator/prey relationships, and the interaction of humans and the environment. Use garden lessons to integrate concepts in mathematics by having students determine the size, area and perimeter of garden beds; calculate construction and planting budgets; and graph and chart the growth rate of plants.

#### Lesson Links

The MCPS archives and on-line curriculum are good sources of lessons that can be used successfully in garden classrooms. Lessons from MCPS partner GreenKids are correlated to MCPS curriculum as well.

- MCPS Curriculum Archive
- MCPS Online Curriculum
- MyMCPS
- Audubon Naturalist Society GreenKids Lesson Resources

#### (9) Maintain your Garden

#### **Time Requirements**

- One hour per week watering
- One hour per month weeding
- One hour per season pruning

#### **Volunteer Requirements**

Decide who is willing to head the maintenance committee. Possible sources of volunteers include:

- PTA members
- Teachers
- Community Members

#### **Maintenance Requirements**

Water

• Your garden will need to be watered at least one inch every week for the first growing season. Continue this watering schedule throughout the summer.

#### Weed

• Your garden will be needed at least once a month during growing season.

#### Updated November 12, 2009 | Maintained by Outdoor Education

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Principal         Principal's designee,         primary constact for project         E-mail address         Approximate cost of project \$         Funding source:       PTA or private funding (See BOE Policy CNE)         D Other, please identify        Prunding not ident          Type of project:        change of existing space to a new use       Industry and equipment       Industry and exact project and/or attached a project description & information:       Industry and description of the requested project and/or attached a project. Attachments may include propose:       Industry and description and associated information reduces the time for the evaluation/approval process.)       Please attach additional information that would assist our review of the proposed project. Attachments may include propose tractor quotes, site plans, drawings, sketches, markups, addition description, etc.       Description of attachments       Requests can only be reviewed from September 15 through March 31. Requests received after April 1 will be held until Sep 15. Please allow 6 weeks for the evaluation process.       Who is being proposed to accomplish the project (check one).       Outside contractor inced by PTA or project (check one).       Outside contractor on the object and cardiving, that if approved, the project will be implemented in accordance with the lind approved by: <i>Other project</i> construction [] Maintenance or Construction staff       School-based staff, identify       Volutteers or community members       Other, p		Department of I 96 Gaither Road, Suite	<b>ct Request Form</b> Facilities Management 200 • Rockville, Maryland 208 one); 301-670-6378 (fax)	350	DFM TRACKING #
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# DETERMINING YOU GOALS WORKSHEET

# Planning

- 1. How will the garden support the larger educational goals and values of the school?
- 2. Who will use the garden?
- 3. Is there a water source near the proposed site? If not, how will the watering requirements be met?
- 4. Who will be responsible for fundraising to create the garden? What type of fundraising will be pursued (grants, parent donations, etc.)?

# Garden Use

- 5. What type of garden(s) will be planted?
- 6. How can the garden meet the learning objectives for the various grade levels?
- 7. What outside speakers, events and celebrations can be planned for the garden?

8. What smaller scale events and activities can make the garden part of the students' daily lives (such as story hours, clubs, etc.)

## Garden Maintenance

- 9. Who will be responsible for the long-term care and maintenance of the garden?
- 10. What type of maintenance will be needed (especially over the summer) and who will be responsible?
- 11. Which outside partners can help with your garden?
- 12. What is the role of parent and community volunteers?

# PARK - SCHOOL SITES

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1	ARCOLA ES	790	1820 FRANWALL AVENUE	SILVER SPRING	OPEN	NORTHWOOD (DCC)	2005/10/04	5.00	5.81	ARCOLA LP
2	BEVERLY FARMS ES	226	8501 POSTOAK ROAD	POTOMAC	OPEN	CHURCHILL	1965/06/02	4.98	8.49	BEVERLY FARMS LP
3	BRADLEY HILLS ES	410	8701 HARTSDALE AVENUE	BETHESDA	OPEN	WHITMAN	1941/06/20	6.71	3.37	BRADLEY LP
4	BROAD ACRES ES	304	710 BEACON ROAD	SILVER SPRING	OPEN	SPRINGBROOK (NEC)	1952/04/30	6.25	13.30	BROADACRES LP
5	BURNING TREE ES	419	7900 BEECH TREE ROAD	BETHESDA	OPEN	WHITMAN	1957/02/04	6.78	11.13	BURNING TREE LP
6	CANNON ROAD ES	310	901 CANNON ROAD	SILVER SPRING	OPEN	SPRINGBROOK (NEC)	1967/09/19	4.40	26.81	CANNON ROAD LP
7	CLARKSBURG HS	707	22500 WIMS ROAD	CLARKSBURG	OPEN	CLARKSBURG	1970/01/07	62.73	4.02	CLARKSBURG NP
8	CLEARSPRING ES	706	9930 MOYER ROAD	DAMASCUS	OPEN	DAMASCUS	1967/09/13	10.00	25.89	MOYER ROAD LP
9	CLOVERLY ES	308	800 BRIGGS CHANEY ROAD	SILVER SPRING	OPEN	PAINT BRANCH (NEC)	1961/02/13	10.05	14.76	CLOVERLY LP
10	DALY, CAPT. JAMES E., ES	111	20301 BRANDERMILL DRIVE	GERMANTOWN	OPEN	CLARKSBURG	1988/03/24	10.00	29.42	CLEARSPRING LP
11	DUFIEF ES	241	15001 DUFIEF DRIVE	GAITHERSBURG	OPEN	WOOTTON	1971/11/09	9.99	15.40	DUFIEF LP
12	FARMLAND ES	219	7000 OLD GATE ROAD	ROCKVILLE	OPEN	WALTER JOHNSON	1961/03/30	4.75	6.79	FARMLAND DRIVE LP
13	FLOWER HILL ES	549	18425 FLOWER HILL WAY	GAITHERSBURG	OPEN	MAGRUDER	1982/02/01	10.00	14.66	FLOWER HILL LP
14	GALWAY ES	313	12612 GALWAY DRIVE	SILVER SPRING	OPEN	PAINT BRANCH (NEC)	1966/01/14	9.00	9.05	GALWAY DRIVE LP
15	GARRETT PARK ES	204	4810 OXFORD STREET	GARRETT PARK	OPEN	WALTER JOHNSON	1957/07/12	4.37	3.71	GARRETT PARK ESTATES LP
16	GIBBS, WILLIAM B., JR. ES		12615 ROYAL CROWN DRIVE	GERMANTOWN	OPEN	CLARKSBURG		10.75	3.90	WATERS HOUSE SP
17	GREENWOOD ES	512	3336 GOLD MINE ROAD	OLNEY	OPEN	SHERWOOD	1969/10/15	10.00	27.51	GREENWOOD LP
18	HIGHLAND ES	774	3100 MEDWAY STREET	SILVER SPRING	OPEN	EINSTEIN (DCC)	1949/12/07	11.05	21.07	WHEATON-CLARIDGE LP
19	LUXMANOR ES	220	6201 TILDEN LANE	ROCKVILLE	OPEN	WALTER JOHNSON	1959/05/06	6.50	6.55	LUXMANOR LP
20	LYNNBROOK CENTER	409	8001 LYNNBROOK DRIVE	BETHESDA	ADMIN	B-CC	1940/06/21	4.21	6.02	LYNNBROOK LP
21	MCAULIFFE, S. CHRISTA, ES	110	12500 WISTERIA DRIVE	GERMANTOWN	OPEN	SENECA VALLEY	1982/07/30	10.59	8.83	GUNNER'S LAKE LP
22	MCNAIR, RONALD, ES	158	13881 HOPKINS ROAD	GERMANTOWN	OPEN	NORTHWEST	1988/03/24	10.00	8.07	LEAMAN LP
23	OAKLAND TERRACE ES	769	2720 PLYERS MILL ROAD	SILVER SPRING	OPEN	EINSTEIN (DCC)	1949/07/26	9,54	16.88	CAPITOL VIEW-HOMEWOOD LP
24	PINE CREST ES	761	201 WOODMOOR DRIVE	SILVER SPRING	OPEN	BLAIR (DCC)	1941/10/21	5.64	5.05	PINECREST LP
25	PINEY BRANCH ES	749	7510 MAPLE AVENUE	TAKOMA PARK	OPEN	BLAIR (DCC)	1970/02/27	1.97	12.72	TAKOMA-PINEY BRANCH LP
26	SEQUOYAH ES	565	17301 BOWIE MILL ROAD	DERWOOD	OPEN	MAGRUDER	1990/06/21	10.00	12.02	BOWIE MILL LP
27	SLIGO MS	778	1401 DENNIS AVENUE	SILVER SPRING	OPEN	NORTHWOOD (DCC)	1956/10/30	21.74	6.75	SLIGO-DENNIS LP
28	STRATHMORE ES	822	3200 BEAVERWOOD LANE	SILVER SPRING	OPEN	KENNEDY (DCC)	1969/07/10	10.79	12.83	STRATHMORE LP
29	WHITTIER WOODS ES	427	7300 WHITTIER BLVD	BETHESDA	CLOSED	WHITMAN	1959/06/17	5.90	7.42	WHITTIER WOODS LP
30	WOOD ACRES ES	417	5800 CROMWELL DRIVE	BETHESDA	OPEN	WHITMAN	2003/12/09	4.78	8.17	WOODACRES LP
			- -							
	MIDDLE SCHOOLS									
1	NEWPORT MILL MS	792	11311 NEWPORT MILL ROAD	KENSINGTON	OPEN	EINSTEIN (DCC)	1957/03/01	8.41	9.47	NEWPORT MILL LP
2	PARKLAND MS	812	4610 WEST FRANKFORT DRIVE	ROCKVILLE	OPEN	WHEATON (DCC)	1960/01/11	9.18	8.43	PARKLAND LP
3	REDLAND MS	562	6505 MUNCASTER MILL ROAD	ROCKVILLE	OPEN	MAGRUDER	1958/10/30	20.64	10.04	WINTER'S RUN LP
4	WOOD, EARLE B., MS	820	14615 BAUER DRIVE	ROCKVILLE	OPEN	ROCKVILLE	1963/12/03	8,50	17.40	WOOD LP
	CLOSED SCHOOLS - OW	NED B	Y MONTGOMERY COUNTY							-74
	AYRLAWN ES	421	5650, OAKMONT AVENUE	BETHESDA	CLOSED	WALTER JOHNSON	1993/03/29	3.08	14.46	AYRLAWN LP
2	BARTON ES	402	7425 MACARTHUR BLVD	BETHESDA	CLOSED	WHITMAN	1990/08/27	4.00	5.57	CABIN JOHN LP
3	BROOKMONT ES	414	4800 SANGAMORE ROAD	BETHESDA	CLOSED	WHITMAN	1993/06/17	seed and a strange state of the second se	6.48	SANGAMORE LP
4	ENGLISH MANOR ES	814	4511 BESTOR DRIVE	ROCKVILLE	CLOSED	ROCKVILLE	1993/03/29	8.25	8.15	ENGLISH MANOR NP
	FERNWOOD ES	430	6801 GREENTREE ROAD	BETHESDA	CLOSED	WHITMAN	1993/06/17	6.15	5.82	FERNWOOD LP
	HILLANDALE ES	306	10501 NEW HAMPSHIRE AVENUE	. J – ∠ . team	·	SPRINGBROOK (NEC)		6.81	23.48	HILLANDALE LP
7	PLEASANT VIEW ES	765	3015 UPTON DRIVE	KENSINGTON	CLOSED	EINSTEIN (DCC)	1989/01/26	6.22	3.97	PLEASANT VIEW LP

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Healthy Snacks at School Events

Mural Club

Cafeteria Food Trials 2006

nurture plants from seed to harvest using organic methods. Our garden is theme-based, with different beds representing foods that



are native to different continents. We also have a wide variety of plants that are native to Maryland, in addition to a butterfly garden and a sense-sational garden to please your 5 senses. The HHA garden has won many mini-grants and awards since 2005, from the Maryland Agricultural Education Foundation (http://www.maefonline.com/) and the National Gardening Association ( http://www.garden.org/ ).

HHA participates in The Growing Connection

( http://www.thegrowingconnection.org/ ), a global network of kids growing



food in water-efficient Earth Boxes. The Growing Connection is a grassroots project developed by the Food and Agriculture Organization of the United Nations (FAO) ( http://www.fao.org/ ) and the American Horticultural Society ( http://www.ahs.org/ ) supported by a progressive coalition of private and public sector partners.

Funding |Volunteers |Community |Media

Big Thanks to Whole Foods Market, Harbor East for providing students in Food for Life with delicious, nutritious, free food since 2004! Copyright © 2009 Hampstead Hill Academy Terms of Use





Food For Life

 Food For Life Ingredients:

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# **Cafeteria Food Trials**

Food for Life is a research-based pilot study that aims to demonstrate the connection between experiential nutrition education and improved eating habits. In April 2007, FFL initiated Food Trials in order to measure food



acceptance based on familiarity, and to gauge student response to recipes prepared in FFL class. During the Food Trials, 6 recipes from the Food is Elementary curriculum were sampled once a week in 2 lunch periods. The Food Trials examined how students respond to choice by offering a sample food, and counting how many students voted in favor of

the dish.

Summary of the Approval Ratings for Sampled Recipes in Both Lunch Periods

Sampled Recipe	% in favor	% red in favor	% blue in favor				
Burritos	87% of 204	53%	47%				
Red Beans & Rice	79% of 176	48%	52%				
North African Stew	76% of 126	44%	56%				
3 Sisters Casserole	64% of 151	56%	44%				
Chinese Stir Fry	53% of 167	52%	48%				
Soul Stew	47% of 173	55%	45%				
Red votes indicate students in Food for Life class (previous experience with the recipe) Blue votes indicate students not in Food for Life class (no previous experience							
with the recipe)							

Funding |Volunteers |Community |Media

Big Thanks to Whole Foods Market, Harbor East for providing students in Food for Life with delicious, nutritious, free food since 2004! Copyright © 2009 Hampstead Hill Academy Terms of Use

# Food For Life

FFL Home

Resource Classes

during the school day

Garden Club

Culinary Arts Club

Monthly Community Dinners

Parent Nutrition & Cooking Classes

Wellness Committee

Healthy Snacks at School Events

Mural Club

Cafeteria Food Trials 2006

